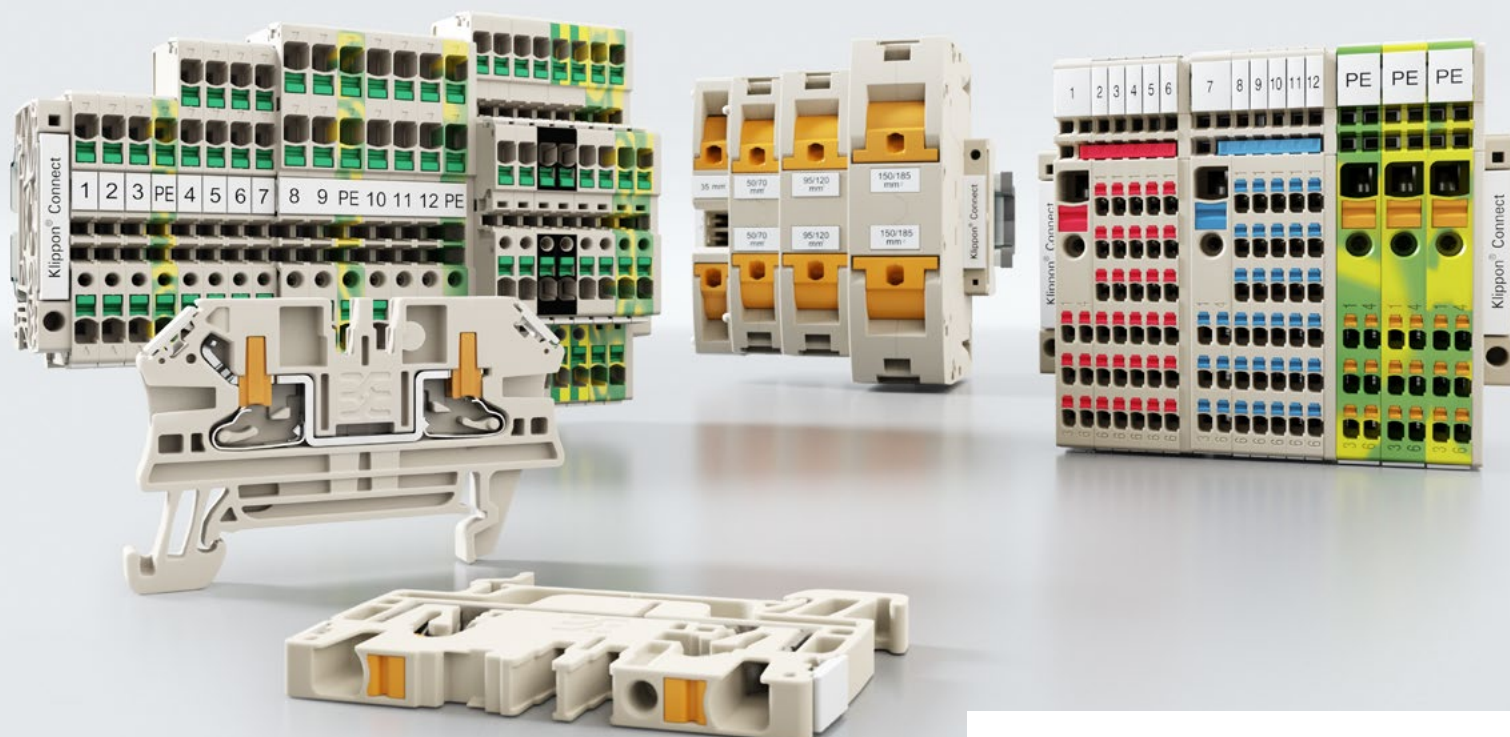


# Terminal blocks Klippon® Connect

Catalogue extract SNAP IN & PUSH IN connection technologies

Version 2023



# Orange Selection

## Quick and easy planning

As a planning engineer, do you want to select products easily and receive them quickly? From a partner you can rely on? Then plan with the Orange Selection from Weidmüller in the future. The Orange Selection items are always available, carefully selected and the portfolio consists of more than 1,500 items to fully cover your standard needs.

If your order is placed before 3:00 pm, we guarantee that your order will be on its way the very next working day.

For even more efficient planning and production processes, we will of course provide all articles in digital form. CAD, ETIM and eClass data are available in our online product catalogue **[catalog.weidmueller.com](http://catalog.weidmueller.com)**

We have summarised all the advantages of the Orange Selection on our website.

Check it out: **[www.weidmueller.com/orange-selection](http://www.weidmueller.com/orange-selection)**



# Terminal blocks

## Catalogue extract SNAP IN & PUSH IN connection technologies

### Terminal blocks

#### Universal range

Spring connection with SNAP IN technology (S-Series)

Spring connection with PUSH IN technology (A-Series)

#### Application range

Power feed-in

Power distribution

Control voltage distribution

Instrument transformer wiring

Signal wiring

Signal marshalling

Shielding and earthing

Building installation wiring

#### Installation

### Appendix

#### Service and support

#### Index

Index Type / Order No.  
Addresses worldwide



## Extra efficiency in planning, installation and operation

### Klippon® Connect provides you with added value at all stages

Panels are key elements of many industrial applications. They transmit signals, control data and distribute power – sometimes under the most adverse of conditions, such as vibrations, dust, cold or extreme heat. What is more, they have to be individually designed and built to suit the requirements and the industries they will be used in. All of the steps in the panel building process are key to increasing efficiency in the long term and exploiting potential for optimisation.

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from planning through installation to operation. The result is solutions that support products and processes to offer you added value at all stages. Klippon® Connect, our terminal block range, is the best example of this, given that it is another pioneering solution in the field of industrial connectivity.

#### Our promise

With Klippon® Connect, you benefit from productivity gains throughout the entire panel building process. These include time-saving planning and project planning, faultless wiring and faster marking operations, for example.



## Achieving greater productivity one step at a time

Every panel building process starts at the planning stage. It is here that the foundations for optimum set-up are laid. Once there is a plan in place, preparatory work and installation can start. The panel components are marked, wired and checked. The fully installed panel can then be put into operation. To ensure that you achieve the greatest possible level of efficiency in this process, we have continuously examined the optimisation potential of the individual phases of planning, installation and operation and how they interlink with one another. The result is innovative products and services that support you at all the stages of the panel building process.

### Up to 75 percent engineering

- Faster planning with the Weidmüller Configurator
- Error-free configuration through compatibility checks on products and accessories
- High level of transparency throughout the entire process thanks to linked data models
- Easy creation of product documentation



### High wiring density with maximum ease of installation

- Noticeably faster wiring with PUSH IN technology
- All product functions can be clearly distinguished
- Flexible potential distribution thanks to various cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

### Higher availability during operation in the long term

- Simpler testing procedure thanks to integrated test point
- Hot rewiring possible without special tools thanks to PUSH IN technology with pushers
- Gas-tight and vibration-resistant connections for interference-free operation
- Flexible, simple modification and extension

# Solutions for more productivity

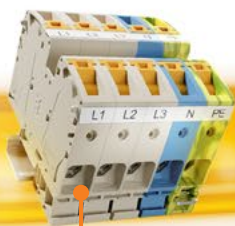
## Extremely flexible process design – with Klippon® Connect

Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable.

Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal range. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety. And when tailored configuration is required, our customer-specific assembly service is available.

### Our promise

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your panel applications.



Power feed-in



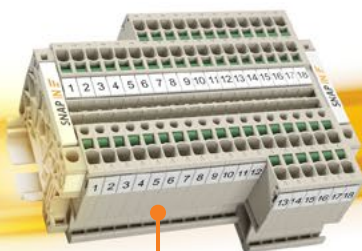
Power distribution



Control voltage distribution



Current and voltage transformer wiring



Spring connection with SNAP IN technology



Spring connection with PUSH IN technology



Spring connection with tension clamp technology

Building installation wiring

Shielding and earthing

Signal marshalling

Signal wiring

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

Screw connection with stud technology

Screw connection with clamping yoke technology

The application range - application-specific and tailor-made

The universal range - flexible and versatile to use

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

Complete Klippon® Connect product portfolio in Catalogue 1 - Terminal Blocks

www.weidmueller.com/catalogues

# From intelligent item data to the finished panel

## Weidmüller Configurator: simpler configuration and ordering

Digital information is becoming increasingly important during product development. Starting with the product selection, configuration and creation of a virtual prototype through to the automated production and installation, end-to-end available data models are a cornerstone of digital production. This requires standardised product data and interfaces between the energy tools networked together and integration into the corporate IT environment. The “Weidmüller Configurator” software forms the ideal basis for end-to-end transparent panel planning.

### Our promise

The Weidmüller Configurator speeds up panel planning by up to 70 percent, thus increasing productivity. You can benefit from high levels of data transparency and availability throughout the entire engineering process.

### Integrated digital planning – quick and simple

#### Provision of intelligent item data

The product data from the software provide comprehensive support in configuration and can be fully integrated into all conventional engineering tools. The complete data transparency and availability across all process phases are a basic prerequisite for the implementation of Industry 4.0 in future panel building.

#### Simple and secure labelling

The Weidmüller Configurator enables virtually labelling of your whole project. Thanks to direct interfaces to CAD programs and the M-Print® PRO labelling software, you can plan and label your components in a single step.

#### Always the right configuration

The automatic filter function provides active assistance in putting together terminal blocks by preventing and automatically correcting incorrect assemblies. You can only add selected fitting accessories to your current configuration. This makes planning easier and saves a huge amount of time. At the same time, you can benefit from seamless documentation of your assembled terminal rails.

#### Fast and simple product enquiry

Once you have found your perfect combination, you can enquire about the components directly from the software – either as individual components or as a pre-assembled complete solution on a DIN rail which then only needs to be fitted to the mounting plate.



**Get started online now!**

The Weidmüller Configurator makes configuration easy. Visit our website and make the most of the wide range of benefits for your engineering process.

Full information on the software can be found here:

[www.weidmueller.com/wmc](http://www.weidmueller.com/wmc)

# Tailor-made terminal strips

## Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.

From ready-specified strips that are immediately available from stock, through simple configurations with a short delivery time, to complex solutions with a high engineering requirement, we can respond flexibly to your needs. Simply talk to our sales staff, so that, together, we can head off in the right direction for your project.

### Our promise

We believe that custom work is the perfect interaction between the product and the service. Both of these elements combine to form a single unit that guarantees the very best quality and thus satisfied customers, even when it comes to the terminal strips.

Working  
towards  
a customer-  
specific  
solution

1.

#### Defining the task

We support you right from the start:

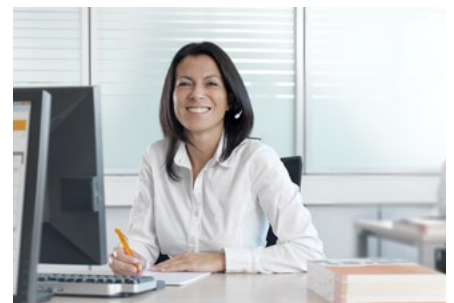
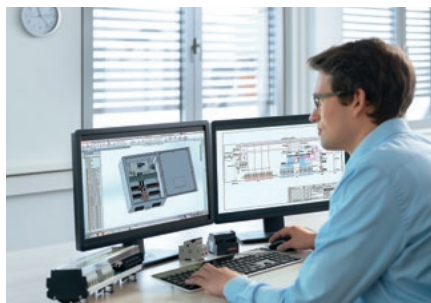
- Actual analysis
- Project definition

2.

#### Advice

Individually to suit your needs:

- Over the phone and on site
- Application-specific product selection
- In-depth dialogue



**Product and service – perfectly coordinated to one another**

However your product is designed, at the end of the day you can rest assured that you are using the best solution. Simply tell us what you would like, and we will make it happen:

- Selection of materials for the terminal rails: steel, stainless steel, aluminium or plastic
- Machining the terminal rail: cutting, punching and attaching a wide range of different mounting aids
- Assembling the terminal strips with snap-on components (terminal blocks and electronic products, as well as additional products from other manufacturers as required)
- Establishing cross-connections
- Fitting standard conductors
- Marking terminals, devices, conductors and cables



4.

**Production, logistics, documentation**

Everything from a single source:

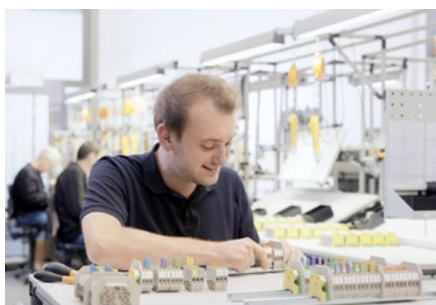
- Production technology
- Inventory management
- Comprehensive documentation as per the customer's requirements

3.

**Application-specific development**

The foundation for your success:

- Joint solution development
- Bespoke configuration
- Sample production



**Service connects**

You will find information about other services from Weidmüller at:

[www.weidmueller.com/service](http://www.weidmueller.com/service)

# Klippon® Services – focus on your core business

## „Fast Delivery Service“ enables the delivery of assembled products at short notice, even with Ex approval

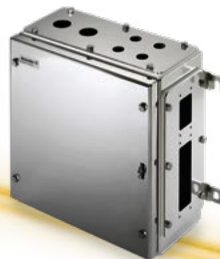
Today you are confronted with tough challenges in mechanical and plant engineering as well as in control cabinet production. On the one hand, the production of your products is becoming increasingly made to order/ custombuilt and a lot more complex. On the other hand, you have to deal with high price pressures, tight deadlines and short-term change requests. In addition, many products are requested in small quantities.

To meet these growing demands, you need ever more efficient planning and manufacturing processes - and you need to be able to rely on 100% fast and reliable delivery. With our Fast Delivery Service, we offer you both. The integrated concept simplifies your planning, accelerates your manufacturing processes and guarantees the delivery of individually assembled and ready-to-install terminal strips or enclosures within the shortest possible time. In this way, you reduce your costs, increase your flexibility and stay one step ahead of your competitors.



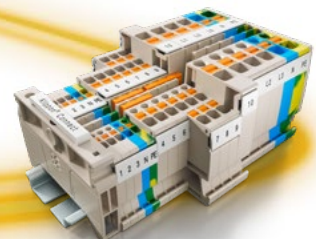
### Klippon® Connect and Klippon® Protect

Assembled enclosures with terminal strip, add-on components and optional Ex approval.



### Klippon® Protect

Individual empty enclosures with holes, threads or cut-outs according to your specifications – optionally unassembled, equipped or with add-on parts.



### WMC – Digital Engineering

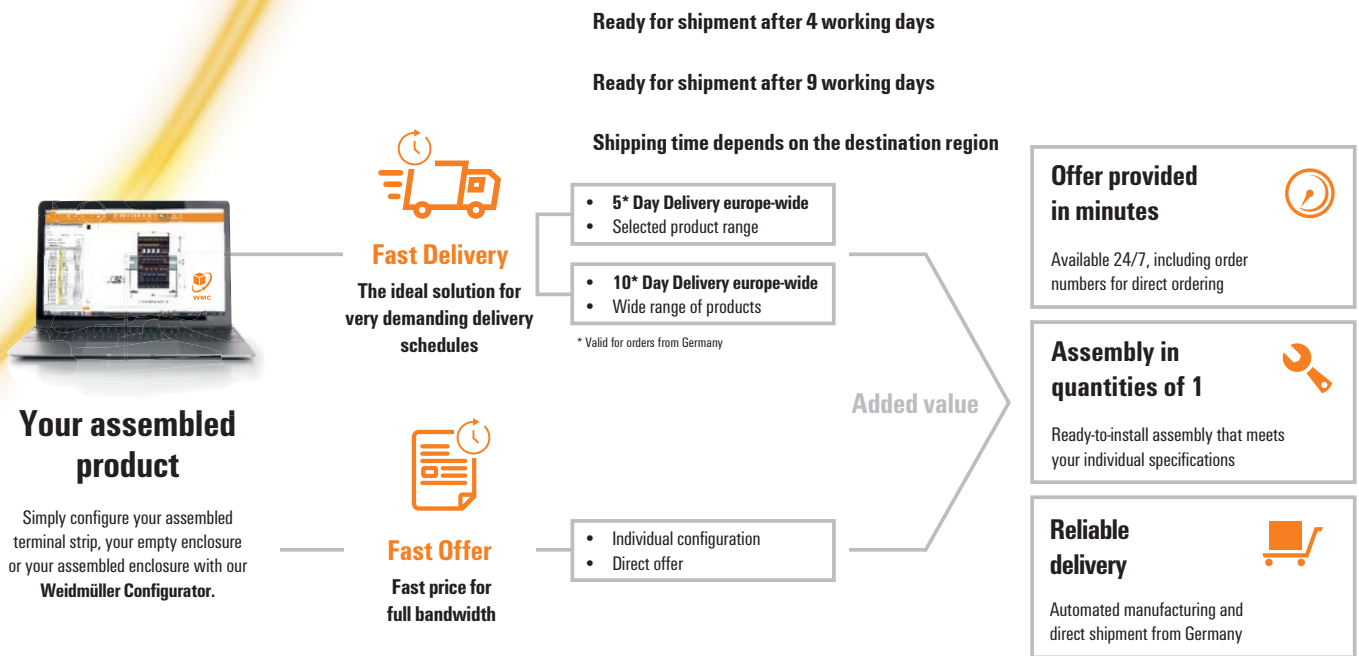
Our Weidmüller Configurator (WMC) gives you access to the “Fast Delivery Service”. You can import directly your CAE data.

### Klippon® Connect

Ready-to-install assembled terminal strips including electronic components - individually manufactured according to your specifications.

# Determine your own delivery time thanks to Fast Delivery Service

## We offer the choice between 3 service levels



## Your advantages at a glance with our Fast Delivery Service



### Reduce your costs

Your plants are becoming more and more specific and complex. Therefore, you have to stock many required components in your warehouse. With Fast Delivery, you receive complete assembled products – and can significantly minimise your purchasing and storage costs.



### Increase your flexibility

More and more often you have to manufacture small quantities of plants and be prepared for short-term changes. With Fast Delivery, you get individual terminal strips and enclosures from batch size 1 – and you receive them ready for installation. This increases your flexibility.





### Meet your delivery commitments

You must complete and deliver your individual plants within tight time frames. Otherwise, your customers face high costs due to delays and production downtimes. With Fast Delivery, you can speed up all your processes and reliably meet your delivery commitments.



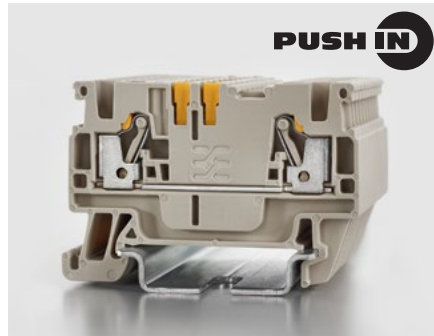
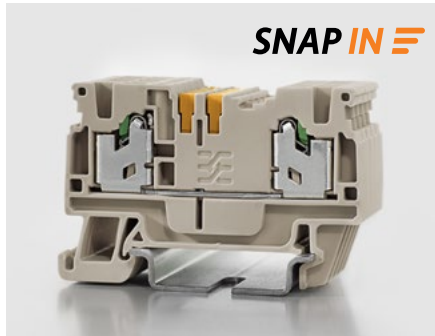
# Universal range

## Universal range

Connection technologies	A.2
Spring connection with SNAP IN technology (S-Series)	A.4
 Feed-through terminal blocks	A.6
PE terminal blocks	A.10
Spring connection with PUSH IN technology (A-Series)	A.14
 Feed-through terminal blocks	A.16
PE terminal blocks	A.46
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Pluggable terminal blocks	A.72
Terminal blocks with electronic components	A.90
Terminal blocks with integrated markers	A.96
Accessories	A.104

# Application-oriented wiring

Klippon® Connect always offers the right connection technology



## Spring connection with SNAP IN technology



The innovative SNAP IN technology revolutionizes control cabinet construction. The direct connection of

flexible conductors without ferrules reduces conductor preparation and wiring.

### Connection principle:

- Significant acceleration of installation and maintenance processes in the field.
- Tool-free, material- and time-saving, as crimping on wire-end ferrules is no longer necessary. Simply insert the flexible or stranded conductor into the open connection point until it „clicks“. Secure connection that reliably withstands even strong shocks and vibrations.

### Clamped copper conductors:

- solid
- stranded
- finely stranded
- finely stranded with ferrule with plastic collar
- finely stranded with ferrule without plastic collar
- finely stranded twin ferrule with plastic collar

### Connection sizes:

0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>

## Spring connection with PUSH IN technology



The innovative PUSH IN connection technology reduces the amount of time you spend on wiring to a minimum. The direct plug-in

technology guarantees high conductor pull-out forces and simple handling for all conductor types.

### Connection principle:

- With the PUSH IN connection technology, the force on the conductor is generated by a pressure spring made of highquality, acid-resistant stainless steel. The spring sits in a cage and is automatically opened upon connection. The proven Weidmüller system, which separates the mechanical and the electrical function, ensures both high rated data and high conductor pull-out forces.

### Clamped copper conductors:

- solid
- stranded
- finely stranded
- finely stranded with ferrule with plastic collar
- finely stranded with ferrule without plastic collar
- finely stranded twin ferrule with plastic collar

### Connection sizes:

0.14 mm<sup>2</sup> to 185 mm<sup>2</sup>

## Spring connection with tension clamp technology



Tension clamp technology is a universal contact system for all common conductor connection types. Its

fantastic level of flexibility makes the tension clamp a profitable alternative connection.

### Connection principle:

- The tension clamp system works in a similar way to the proven clamping yoke.
- The tension clamp made of highquality, acid-resistant stainless steel pulls the conductor against the galvanised copper current bar. The surfacetreated current bar permanently provides a low level of contact resistance and a high level of corrosion resistance.

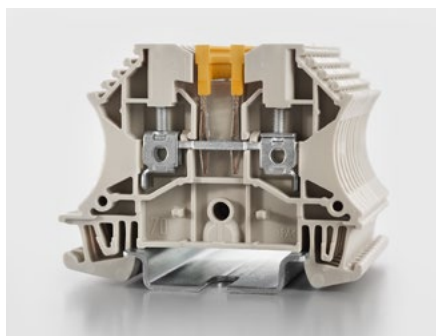
### Clamped copper conductors:

- solid
- stranded
- finely stranded
- finely stranded with ferrule with plastic collar
- finely stranded with ferrule without plastic collar
- finely stranded twin ferrule with plastic collar

### Connection sizes:

0.05 mm<sup>2</sup> to 35 mm<sup>2</sup>





### Screw connection with clamping yoke technology



The patented Weidmüller clamping yoke system sets standards. The fact that it is simple to handle makes

clamping yoke technology the universal screwed connection solution for all conductor types.

#### Connection principle:

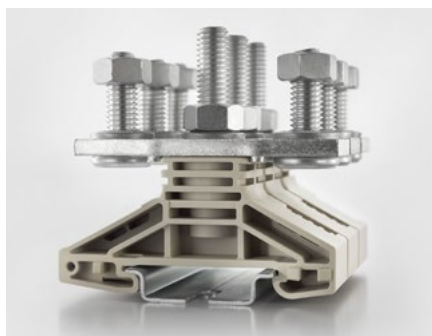
- The clamping yoke system combines the specific properties of steel and copper.
- While the clamping yoke and clamping screw are made of hardened steel, the current is made of copper or high-quality copper alloy. The clamping yoke pulls the conductor to be connected against the current bar. Our clamping yoke system is
- maintenance-free and guarantees vibration-resistant connections.

#### Clamped copper conductors:

- solid
- stranded
- finely stranded
- finely stranded with ferrule with plastic collar
- finely stranded with ferrule without plastic collar
- finely stranded twin ferrule with plastic collar

#### Connection sizes:

0.13 mm<sup>2</sup> to 300 mm<sup>2</sup>



### Screw connection with stud technology



With stud technology, you are relying on an affordable and, at the same time, a safe and robust connection

solution for applications in particularly harsh conditions.

#### Connection principle:

- Cable lugs crimped onto the ends of the conductor ensure a secure connection.
- The cable lugs are put on between the washer on the clamp support and the thrust washer on the stud. The reverse sides of the cable lugs are positioned
- against one other. Tightening the hexagon nut causes the cable lug flaps to press
- against one another – thereby creating a secure contact.

#### Clamped copper conductors:

- According to DIN 46 234
- According to DIN 46 235

#### Connection sizes:

1.5 mm<sup>2</sup> to 300 mm<sup>2</sup>

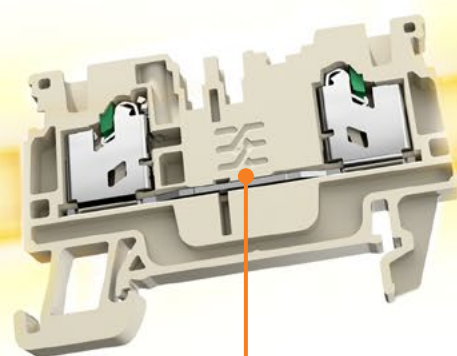
## As fast as a SNAP of your fingers

# Klippon® Connect accelerates your wiring with innovative SNAP IN technology

Time is money. For this reason, installation work in control cabinet construction must be carried out ever faster, preferably automated. At the same time, the connections should be permanently reliable, safe, and easy to maintain. The new Klippon® Connect terminal blocks with Weidmüller's revolutionary SNAP IN technology meet all these requirements - and are extremely easy to use: stripped fine-stranded conductors just need to be inserted into the connection point, and the connection point snaps shut with a clearly audible click. The conductor is permanently and reliably contacted. To release the connection, press the green pusher. It couldn't be faster or easier.

### Our promise

Klippon® Connect terminal blocks with SNAP IN technology revolutionize control cabinet wiring through their intuitive and simple handling. The reduction in cable preparation accelerates your wiring times and leads to a more efficient installation process.



### Safety

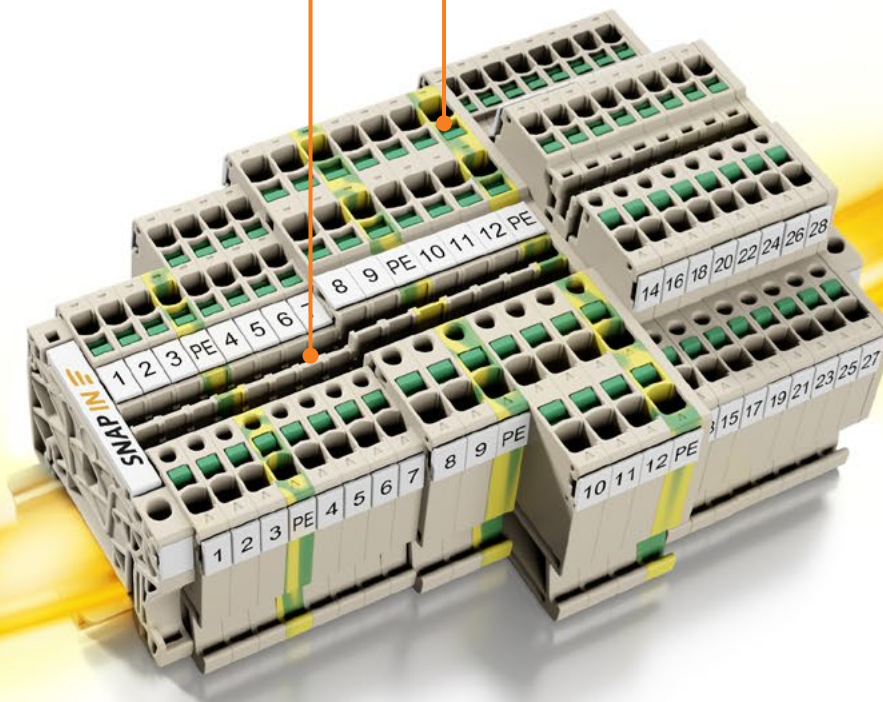
- Audible click signals correct connection
- Standardised test point
- High contact reliability with lowest mating forces
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

**SNAP IN****Flexibility**

- Ideal for the connection of flexible and fine-stranded conductors with and without ferrule
- Release the conductor with any tool
- Large marking surfaces make maintenance
- Compatible with accessories of the Klippon® Connect A series

**Time saving**

- Intuitive and simple handling of SNAP IN technology
- Low mating forces due to simple insertion of the stripped conductor
- Quick and easy connection even without ferrule
- Clear distinction made between all functional areas

**Overview**

Thanks to the extensive choice of accessories and the different cross-connection options, our SNAP IN terminal blocks are the perfect solution for every requirement.

**Compatibility with the A-series:**

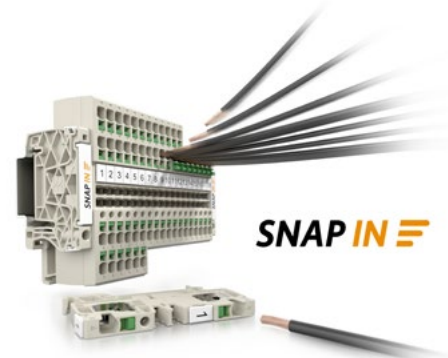
A terminal rail with the combination of both product families can be realized without any problems. Additional storage costs can be avoided thanks to the uniform accessories.

**Everything with only one hand:**

The pretensioned clamping point enables the conductor to be contacted quickly with low insertion forces. The SNAP IN technology supports both work with and without ferrules.

**Ready for automation:**

A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.



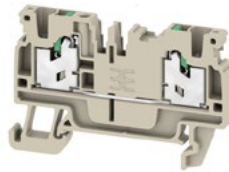
Spring connection with SNAP IN technology (S-Series)  
Feed-through terminal blocks



S2C 2.5

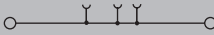
2.5 mm<sup>2</sup>

SNAP IN



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59 x 38
<b>24 / 2.5</b>
<b>0.5...2.5</b>



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	15	15	
2.5	AWG 20...14	AWG 20...14	
8 kV / 3			
A2 / V-0			

CE, UL, CSA, IEC, VDE, KEUR

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Ordering data

Version	
	dark beige
	Blue
	Orange
<b>Note</b>	

Type	Qty.	Order No.
S2C 2.5	100	2674530000
S2C 2.5 BL	100	2753940000
S2C 2.5 OR	100	2875120000

Accessories

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
Vertical jumpers	
	1-pole
End plate	
	dark beige
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

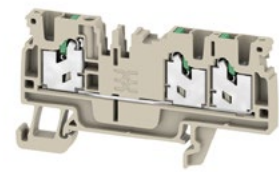
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>SEP 2C 2.5</b>		
	20	2751080000
<b>AEB 35 SC/1</b>		
	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
	20	2661280000
<b>ATPG 1.5-10 L</b>		
	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
	0.2 A 50	1991960000
<b>ATPG 2.5/3</b>		
	0.2 A 25	2041190000
<b>ATPG 2.5/5</b>		
	0.2 A 25	2041180000
<b>PS 2.0 MC</b>		
	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
	1000	1854490000
<b>DEK 5/5 MM WS</b>		
	800	2007110000
<b>WS 8/5 MM WS</b>		
	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
	600	2003770000

For detailed information on other accessories and application in the online catalogue

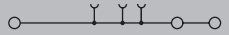
S3C 2.5

2.5 mm<sup>2</sup>

SNAP IN



5.1 x 71.5 x 38
<b>24 / 2.5</b>
<b>0.5...2.5</b>



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	15	15	
2.5	AWG 20...14	AWG 20...14	
8 kV / 3			
A2 / V-0			

CE, UL, CSA, IEC, VDE, KEUR

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
S3C 2.5	100	2674540000
S3C 2.5 BL	100	2753950000
S3C 2.5 OR	100	2875130000

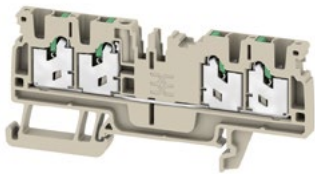
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>SEP 3C 2.5</b>		
	20	2751090000
<b>AEB 35 SC/1</b>		
	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
	20	2661280000
<b>ATPG 1.5-10 L</b>		
	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
	0.2 A 50	1991960000
<b>ATPG 2.5/3</b>		
	0.2 A 25	2041190000
<b>ATPG 2.5/5</b>		
	0.2 A 25	2041180000
<b>PS 2.0 MC</b>		
	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
	1000	1854490000
<b>DEK 5/5 MM WS</b>		
	800	2007110000
<b>WS 8/5 MM WS</b>		
	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
	600	2003770000

For detailed information on other accessories and application in the online catalogue

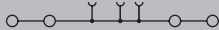
S4C 2.5

2.5 mm<sup>2</sup>

**SNAP IN**



5.1 x 84 x 38  
24 / 2.5  
0.5...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	15	15	
2.5	AWG 20...14	AWG 20...14	
8 kV / 3			
A2 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

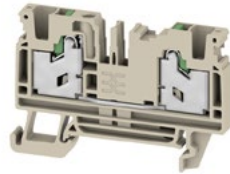
Type	Qty.	Order No.
S4C 2.5	100	2674550000
S4C 2.5 BL	100	2753960000
S4C 2.5 OR	100	2875140000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
SEP 4C 2.5	20	2751100000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

S2C 4

4 mm<sup>2</sup>

**SNAP IN**



Q3 2023

6.1 x 62 x 41.5  
32 / 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
8 kV / 3			
A4 / V-0			

**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

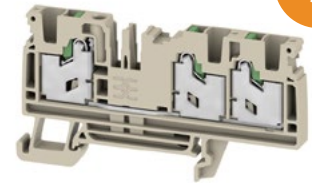
Type	Qty.	Order No.
S2C 4	100	2874820000
S2C 4 BL	100	2874830000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
SEP 2C 4		2874790000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

S3C 4

4 mm<sup>2</sup>

**SNAP IN**



Q3 2023

6.1 x 78 x 41.5  
32 / 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
8 kV / 3			
A4 / V-0			

**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
S3C 4	50	2874840000
S3C 4 BL	50	2874850000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
SEP 3C 4		2874800000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

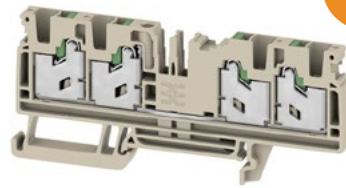


Spring connection with SNAP IN technology (S-Series)  
Feed-through terminal blocks



**S4C 4** **4 mm<sup>2</sup>**

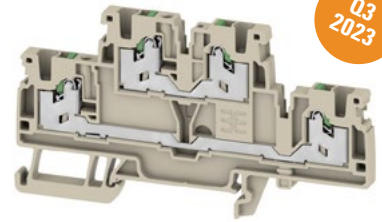
**SNAP IN**



Q3  
2023

**S2T 2.5** **2.5 mm<sup>2</sup>**

**SNAP IN**



Q3  
2023

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 94 x 41.5	
<b>32 / 4</b>	
<b>0.5...4</b>	

5.1 x 90 x 50.5	
<b>24 / 2.5</b>	
<b>0.5...2.5</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
32			
4			
		8 kV / 3	
		A4 / V-0	
Rated connection			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
12 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
		8 kV / 3	
		A2 / V-0	
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

**Ordering data**

Version	
	dark beige
	Blue
	Orange
<b>Note</b>	

Type	Qty.	Order No.
S4C 4	50	2874860000
S4C 4 BL	50	2874870000
<b>Note</b>		

Type	Qty.	Order No.
S2T 2.5	50	2902380000
S2T 2.5 BL	50	2902390000
S2T 2.5 OR	50	2902400000
<b>Note</b>		

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
Vertical jumpers	
	1-pole
End plate	
	dark beige
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>Note</b>		
SEP 4C 4		2874810000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Note</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
<b>Note</b>		
PS 2.0 MC	20	0310000000
<b>Note</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Note</b>		
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
<b>Note</b>		

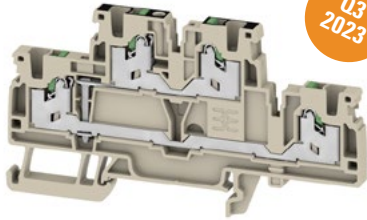
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>Note</b>		
ZVQ 2.5/1.5	24 A 50	1720700000
<b>Note</b>		
SEP 2T 2.5		2902630000
<b>Note</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Note</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Note</b>		
PS 2.0 MC	20	0310000000
<b>Note</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Note</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000
<b>Note</b>		

For detailed information on other accessories and application in the online catalogue

S2T 2.5 VL

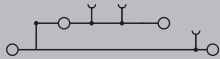
2.5 mm<sup>2</sup>

SNAP IN



Q3  
2023

5.1 x 90 x 50.5  
24 / 2.5  
0.5...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A2 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

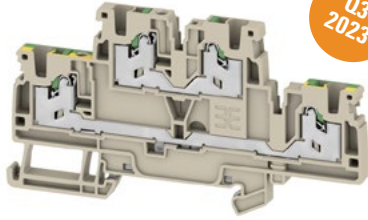
Type	Qty.	Order No.
S2T 2.5 VL	50	2902430000
S2T 2.5 VL BL	50	2902440000
S2T 2.5 VL OR	50	2902450000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
SEP 2T 2.5		2902630000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

S2T 2.5 FT-PE

2.5 mm<sup>2</sup>

SNAP IN



Q3  
2023

5.1 x 90 x 50.5  
24 / 2.5  
0.5...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A2 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

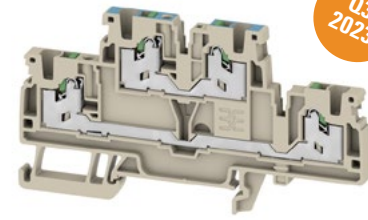
Type	Qty.	Order No.
S2T 2.5 FT-PE	50	2902410000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
SEP 2T 2.5		2902630000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

S2T 2.5 N-FT

2.5 mm<sup>2</sup>

SNAP IN



Q3  
2023

5.1 x 90 x 50.5  
24 / 2.5  
0.5...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A2 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
S2T 2.5 N-FT	50	2902420000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ZVQ 2.5/1.5	24 A 50	1720700000
SEP 2T 2.5		2902630000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000



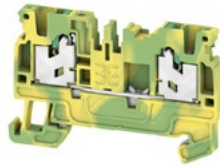
Spring connection with SNAP IN technology (S-Series)  
PE terminal blocks



S2C 2.5 PE

2.5 mm<sup>2</sup>

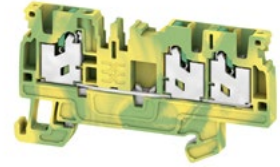
SNAP IN



S3C 2.5 PE

2.5 mm<sup>2</sup>

SNAP IN



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59 x 38	
/ 2.5	
0.5...2.5	

5.1 x 71.5 x 38	
/ 2.5	
0.5...2.5	

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V/-
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
2.5		AWG 20...14	
800 /			
		300 A (2.5 mm <sup>2</sup> )	
		3	
		A2 / V-0	
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
2.5		AWG 20...14	
800 /			
		300 A (2.5 mm <sup>2</sup> )	
		3	
		A2 / V-0	
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Note

Note

Note

Ordering data

Version	
	Green/yellow
Note	

Type	Qty.	Order No.
S2C 2.5 PE	50	2674560000

Type	Qty.	Order No.
S3C 2.5 PE	50	2674570000

Accessories

End plate	dark beige
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
SEP 2C 2.5	20	2751080000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
SEP 3C 2.5	20	2751090000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue



S4C 2.5 PE

2.5 mm<sup>2</sup>

**SNAP IN**



5.1 x 84 x 38  
/ 2.5  
0.5...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5		AWG 20...14	
800 /			
		300 A (2.5 mm <sup>2</sup> )	
		3	
		A2 / V-0	



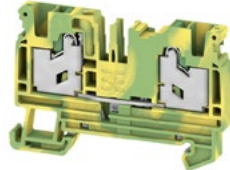
**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

S2C 4 PE

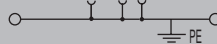
4 mm<sup>2</sup>

**SNAP IN**



Q3  
2023

6.1 x 62 x 41.5  
/ 4  
0.5...4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
800 /			
		480 A (4 mm <sup>2</sup> )	
		3	
		A4 / V-0	

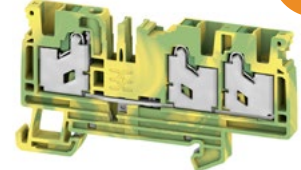
**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

S3C 4 PE

4 mm<sup>2</sup>

**SNAP IN**



Q3  
2023

6.1 x 78 x 41.5  
/ 4  
0.5...4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
800 /			
		480 A (4 mm <sup>2</sup> )	
		3	
		A4 / V-0	

**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
S4C 2.5 PE	50	2674580000

Type	Qty.	Order No.
S2C 4 PE	50	2874880000

Type	Qty.	Order No.
S3C 4 PE	50	2874890000

Type	Qty.	Order No.	
SEP 4C 2.5	20	2751100000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	

Type	Qty.	Order No.	
SEP 2C 4		2874790000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 4 MI-R	0.2 A	50	1991860000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
WS 10/6 M PLUS MC NE WS	600	2003780000	
DEK 5/6 MM WS	600	2007120000	
WS 8/6 MM WS	600	2007160000	
DEK 5/6 PLUS MC NE WS	1000	1011320000	

Type	Qty.	Order No.	
SEP 3C 4		2874800000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	



# Spring connection with SNAP IN technology (S-Series)

## PE terminal blocks

Universal range

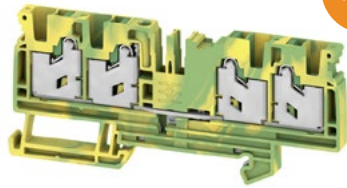
A



### S4C 4 PE

4 mm<sup>2</sup>

#### SNAP IN

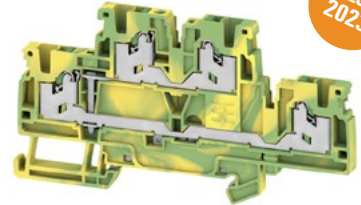


Q3 2023

### S2T 2.5 PE

2.5 mm<sup>2</sup>

#### SNAP IN



Q3 2023

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 94 x 41.5	
/ 4	
0.5...4	

5.1 x 90 x 50.5	
/ 2.5	
0.5...2.5	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V/-
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
4			
800 /			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
2.5			
800 /			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A2 / V-0		

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note

#### Ordering data

Version	Green/yellow
Note	

Type	Qty.	Order No.
S4C 4 PE	50	2874900000

Type	Qty.	Order No.
S2T 2.5 PE	50	2902460000

#### Accessories

End plate	dark beige
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
SEP 4C 4		2874810000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

Type	Qty.	Order No.
SEP 2T 2.5		2902630000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

For detailed information on other accessories and application in the online catalogue



## Fast wiring. But safe.

# Klippon® Connect enhances your efficiency with PUSH IN technology

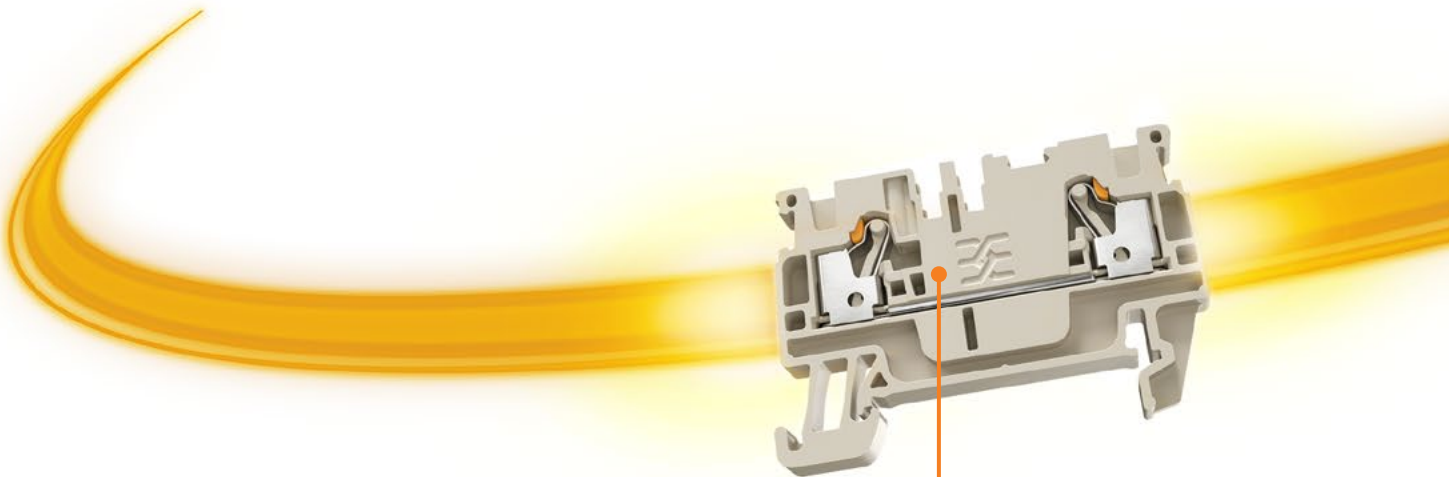
Increase your efficiency during installations without compromising on safety. The innovative PUSH IN technology reduces connection times for solid conductors and conductors with crimped-on wire-end ferrules by up to 50 percent compared to tension clamp terminals. The conductor is simply inserted into the contact point as far as the stop and that's it – you have a safe, gas-tight connection. Even stranded-wire conductors can be connected without any problem and without the need for special tools.



Safe and reliable connections are crucial, especially under harsh conditions, such as those encountered in the process industry. PUSH IN technology guarantees optimal contact security and ease of handling, even in demanding applications.

### Our promise

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.



### Safety

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring



### Flexibility

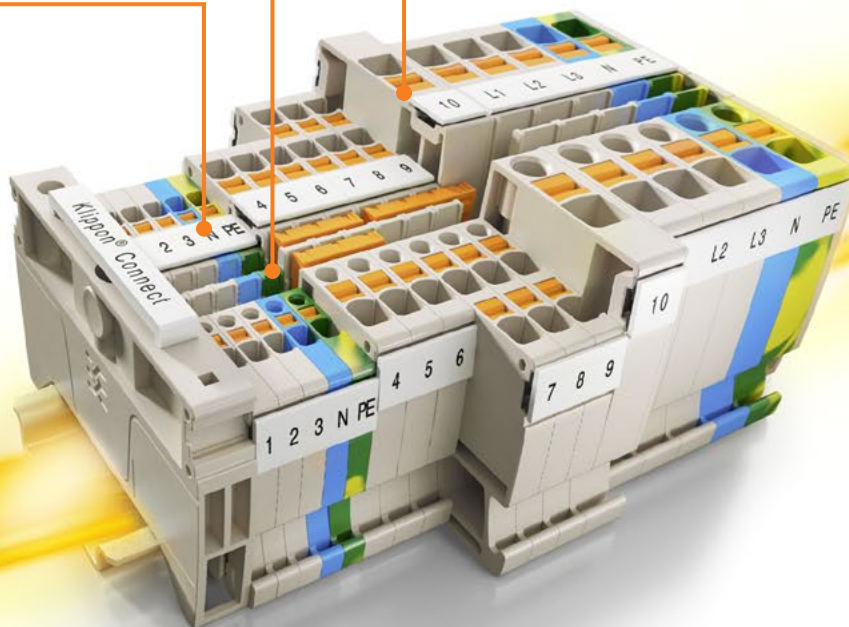
- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

### Time saving

- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

### Space-saving design

- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail



### Overview

Thanks to the extensive choice of accessories and the different cross-connection options, our PUSH IN terminal blocks are the perfect solution for every requirement.

#### Functional transparency:

All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

#### Ready for automation:

A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.

#### Safely prevent incorrect wiring:

The pusher for releasing the contacts ensures safe contact protection.



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

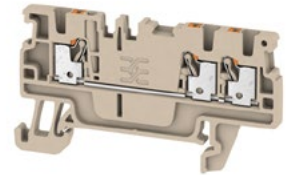
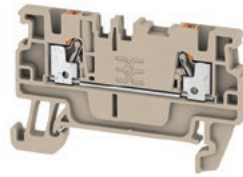
A

**A2C 1.5**

**1.5 mm<sup>2</sup>**

**A3C 1.5**

**1.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
<b>17.5 / 1.5</b>	
<b>0.14...1.5</b>	

3.5 x 61.5 x 33.5	
<b>17.5 / 1.5</b>	
<b>0.14...1.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex eb II		II 2 G D
				C Gb		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>			
500	300	300	550			
17.5	13	13	15			
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>			
				6 kV / 3		
				A1 / V-0		
					TUEV16ATEX7909U	
<b>Rated connection</b>						
0.5...1.5 / 0.5...1.5						
0.5...1.5 / 0.5...1						
8 / 0.4 x 2.0 mm						

IEC 60947-7-1				Ex eb II		II 2 G D
				C Gb		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>			
500	300	300	440			
17.5	13	13	15			
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>			
				6 kV / 3		
				A1 / V-0		
					TUEV16ATEX7909U	
<b>Rated connection</b>						
0.5...1.5 / 0.5...1.5						
0.5...1.5 / 0.5...1						
8 / 0.4 x 2.0 mm						

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 1.5	100	1552790000
A2C 1.5 BL	100	1552820000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A3C 1.5	50	1552740000
A3C 1.5 BL	50	1552770000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

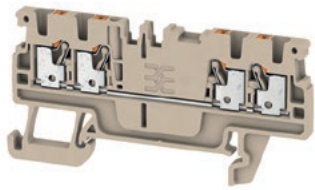
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
<b>End plate</b>		
AEP 2C 1.5	50	1552600000
AEP 2C 1.5 BL	50	1552610000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDS 0.4X2.0X60	1	2749260000
<b>Marking tags</b>		
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
<b>End plate</b>		
AEP 3C 1.5	50	1552620000
AEP 3C 1.5 BL	50	1552630000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDS 0.4X2.0X60	1	2749260000
<b>Marking tags</b>		
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

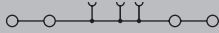
For detailed information on other accessories and application in the online catalogue

A4C 1.5

1.5 mm<sup>2</sup>



3.5 x 67.5 x 33.5  
17.5 / 1.5  
0.14...1.5



IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
17.5	13	13	15
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

6 kV / 3  
A1 / V-0

TUEV16ATEX7909U

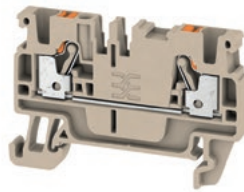
Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
A4C 1.5	100	1552690000
A4C 1.5 BL	100	1552700000

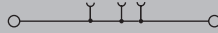
Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 4C 1.5	50	1552640000
AEP 4C 1.5 BL	50	1552650000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

A2C 2.5

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
24 / 4  
0.14...4



IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	20
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3  
A3 / V-0

TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 2.5	100	1521850000
A2C 2.5 BL	100	1521880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2C 2.5	50	1514400000
AEP 2C 2.5 BL	50	1514420000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0.6X3.5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

AL2C 2.5

2.5 mm<sup>2</sup>



5.1 x 57 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			

8 kV / 3  
A3 / V-0

TUEV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL2C 2.5	50	2847200000
AL2C 2.5 BL	50	2847210000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ALEP 2C 2.5	20	2871750000
ALEP 2C 2.5 BL	20	2871760000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0.6X3.5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

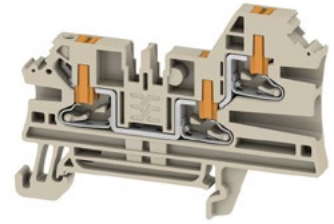
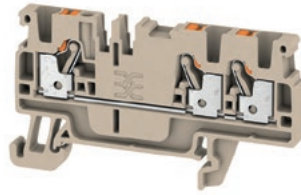
A

**A3C 2.5**

2.5 mm<sup>2</sup>

**AL3C 2.5**

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 66.5 x 36.5	
<b>24 / 4</b>	
<b>0.14...4</b>	

5.1 x 68 x 48	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

Ex eb II C Gb II 2 G D

TUEV16ATEX7909U

<b>Rated connection</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

<b>Rated connection</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A3C 2.5	100	1521740000
A3C 2.5 BL	100	1521780000

Type	Qty.	Order No.
AL3C 2.5	50	2847330000
AL3C 2.5 BL	50	2847340000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
AEP 3C 2.5	50	1521510000
AEP 3C 2.5 BL	50	1521520000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

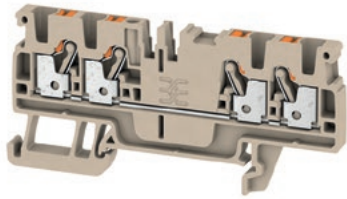
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
ALEP 3C 2.5	20	2871770000
ALEP 3C 2.5 BL	20	2871780000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue

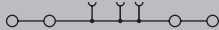


**A4C 2.5**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
**24 / 4**  
**0.14...4**



IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

TUEV16ATEX7909U

**Rated connection**

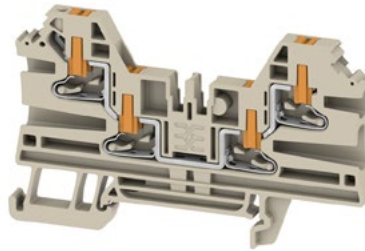
0.5...2.5 / 0.5...4

0.5...4 / 0.5...2.5

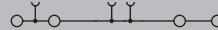
10 / 0.6 x 3.5 mm

**AL4C 2.5**

**2.5 mm<sup>2</sup>**



5.1 x 79.5 x 48  
**24 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			

8 kV / 3

A3 / V-0

**Rated connection**

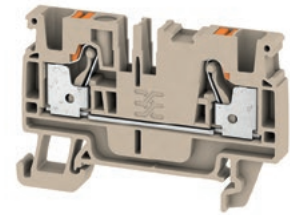
0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

**A2C 4**

**4 mm<sup>2</sup>**



6.1 x 60 x 39.5  
**32 / 6**  
**0.14...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	28
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

TUEV16ATEX7909U

**Rated connection**

0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 2.5	100	1521690000
A4C 2.5 BL	100	1521700000

Type	Qty.	Order No.
AL4C 2.5	50	2847460000
AL4C 2.5 BL	50	2847470000

Type	Qty.	Order No.
A2C 4	100	2051180000
A2C 4 BL	100	2051210000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000

AEP 4C 2.5	50	1521530000
AEP 4C 2.5 BL	50	1521640000

ALEP 4C 2.5	20	2871790000
ALEP 4C 2.5 BL	20	2871800000

AEP 2C 4	50	2051680000
AEP 2C 4 BL	50	2051690000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MI-R	0.2 A 50	1991860000

PS 2.0 MC	20	0310000000
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PS 2.0 MC	20	0310000000
-----------	----	------------

PS 2.0 MC	20	0310000000
-----------	----	------------

SDIL 0,6X3,5X100	1	2749140000
------------------	---	------------

SDIL 0,6X3,5X100	1	2749140000
------------------	---	------------

SDIL 0,6X3,5X100	1	2749140000
------------------	---	------------

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000



# Spring connection with PUSH IN technology (A-Series)

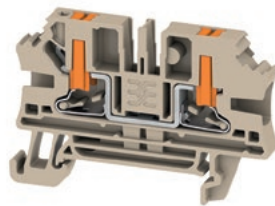
## Feed-through terminal blocks

Universal range

A

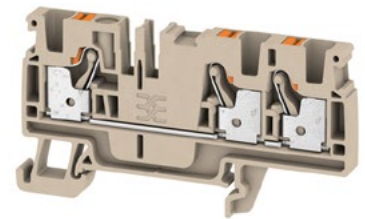
### AL2C 4

4 mm<sup>2</sup>



### A3C 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 39.5	
<b>32 / 4</b>	
<b>0.14...4</b>	

6.1 x 74 x 39.5	
<b>32 / 6</b>	
<b>0.14...6</b>	

### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000			
32			
4			
	8 kV / 3		
	A4 / V-0		
<b>Rated connection</b>			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
12 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1				Ex eb II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>			
800	600	600	550			
32	30	30	29			
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>			
	8 kV / 3					
	A4 / V-0					
TUEV16ATEX7909U						
<b>Rated connection</b>						
0.5...4 / 0.5...6						
0.5...6 / 0.5...4						
12 / 0.6 x 3.5 mm						
<b>Note</b>						

### Ordering data

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AL2C 4	50	2847710000
AL2C 4 BL	50	2871870000
<b>Note</b>		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A3C 4	50	2051240000
A3C 4 BL	50	2051280000
<b>Note</b>		

### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

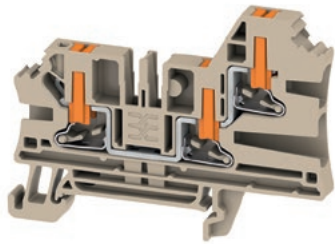
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
ALEP 2C 4		2871810000
ALEP 2C 4 BL		2871820000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
<b>Note</b>		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 3C 4	20	2051720000
AEP 3C 4 BL	20	2051880000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
<b>Note</b>		

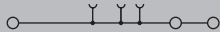
For detailed information on other accessories and application in the online catalogue

AL3C 4

4 mm<sup>2</sup>



6.1 x 71.5 x 52.5  
32 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
8 kV / 3			
A4 / V-0			

Rated connection

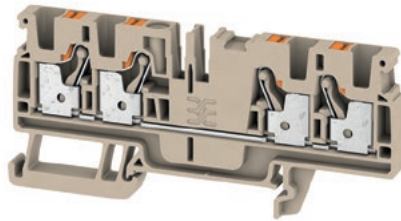
0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL3C 4	50	2847720000
AL3C 4 BL	50	2871990000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
ALEP 3C 4		2871830000
ALEP 3C 4 BL		2871840000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

A4C 4

4 mm<sup>2</sup>



6.1 x 87.5 x 39.5  
32 / 6  
0.14...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	30
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

Ex eb II C Gb II 2 G D

TUEV16ATEX7909U

Rated connection

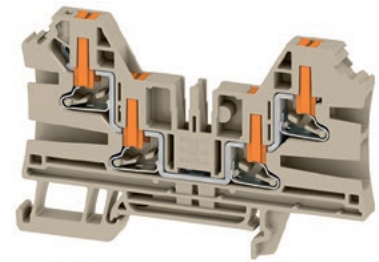
0.5...4 / 0.5...6  
0.5...6 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 4	50	2051500000
A4C 4 BL	50	2051520000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 4C 4	20	2051900000
AEP 4C 4 BL	20	2051910000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

AL4C 4

4 mm<sup>2</sup>



6.1 x 83 x 52.5  
32 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
8 kV / 3			
A4 / V-0			

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL4C 4	50	2847730000
AL4C 4 BL	50	2872110000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
ALEP 4C 4		2871850000
ALEP 4C 4 BL		2871860000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

# Spring connection with PUSH IN technology (A-Series)

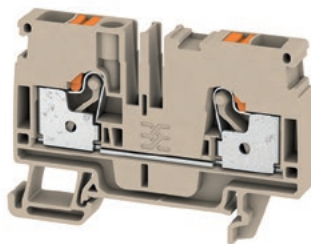
## Feed-through terminal blocks

Universal range

A

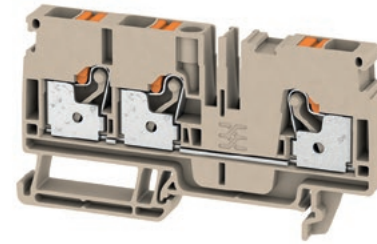
### A2C 6

6 mm<sup>2</sup>



### A3C 6

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 66.5 x 45.5	
<b>41 / 10</b>	
<b>0.34...10</b>	

8.1 x 84.5 x 45.5	
<b>41 / 10</b>	
<b>0.34...10</b>	

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	37
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>

8 kV / 3  
A5 / V-0

TUEV16ATEX7909U

Rated connection	
0.5...6 / 0.5...6	
0.5...10 / 0.5...6	
12 / 1.0 x 5.5 mm	

IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	36
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>

8 kV / 3  
A5 / V-0

TUEV16ATEX7909U

Rated connection	
0.5...6 / 0.5...6	
0.5...10 / 0.5...6	
12 / 1.0 x 5.5 mm	

#### Ordering data

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2C 6	50	1992110000
A2C 6 BL	50	1991790000

Type	Qty.	Order No.
A3C 6	50	1991820000
A3C 6 BL	50	1991830000

#### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	3-pole
	4-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

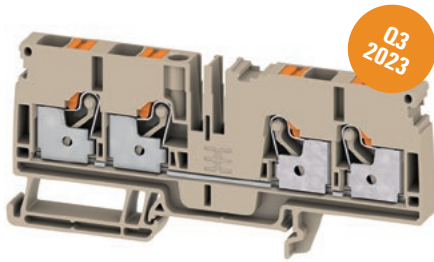
Type	Qty.	Order No.
ZQV 6N/2	41 A 60	1985740000
ZQV 6N/3	41 A 60	1985760000
ZQV 6N/4	41 A 60	1985780000
AEP 2C 6	50	1991970000
AEP 2C 6 BL	50	1991950000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 MHR	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 6N/2	41 A 60	1985740000
ZQV 6N/3	41 A 60	1985760000
ZQV 6N/4	41 A 60	1985780000
AEP 3C 6	50	1991940000
AEP 3C 6 BL	20	1991910000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 MHR	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

For detailed information on other accessories and application in the online catalogue

A4C 6

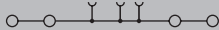
6 mm<sup>2</sup>



8.1 x 102 x 45.5

41 / 10

0.34...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
41			
6			
			8 kV / 3
			A5 / V-0

**Rated connection**

0.5...6 / 0.5...6

0.5...10 / 0.5...6

12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A4C 6	50	2881450000
A4C 6 BL	50	2881460000

Type	Qty.	Order No.
ZQV 6N/2	41 A 60	1985740000
ZQV 6N/3	41 A 60	1985760000
ZQV 6N/4	41 A 60	1985780000
AEP 4C 6		2876180000
AEP 4C 6 BL		2876190000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 MI-R	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0x5,5x125	1	2749160000
DEKA 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000



# Spring connection with PUSH IN technology (A-Series)

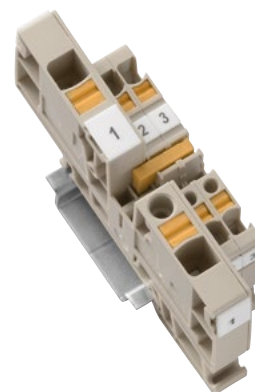
## Feed-through terminal blocks

Universal range

A

**ALO 6**

**6 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9 x 77 x 45.5
<b>41 / 6</b>
<b>0.34...6</b>



### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1			
Ex eb II C Gb  II 2 G D			
IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	33
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			
TUEV16ATEX7909U			
Rated connection			
0.5...6 / 0.5...10			
0.5...10 / 0.5...6			
12 / 1.0 x 5.5 mm			

**Note**

### Ordering data

Version	
	dark beige
	Blue
Note	

Type	Qty.	Order No.
ALO 6	20	1991780000
ALO 6 BL	20	2065120000

### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

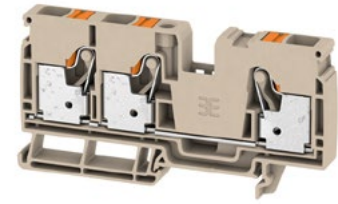
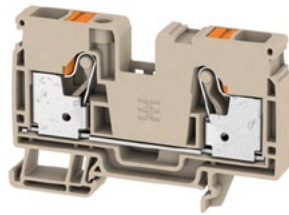
For detailed information on other accessories and application in the online catalogue

**A2C 10**

**10 mm<sup>2</sup>**

**A3C 10**

**10 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 80.5 x 51.5	
<b>57 / 16</b>	
<b>0.5...16</b>	

10 x 102 x 51.5	
<b>57 / 16</b>	
<b>0.5...16</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

DIN EN 60947-7-1	Ex eb II C Gb		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	550
57	55	55	52
10	AWG 20...6	AWG 20...6	10 mm <sup>2</sup>
8 kV / 3			
A6 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...10 / 0.5...16			
0.5...16 / 0.5...10			
18 / 1.0 x 5.5 mm			

DIN EN 60947-7-1	Ex eb II C Gb		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	550
57	55	55	52
10	AWG 20...6	AWG 20...6	10 mm <sup>2</sup>
8 kV / 3			
A6 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...10 / 0.5...16			
0.5...16 / 0.5...10			
18 / 1.0 x 5.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2C 10	25	2490360000
A2C 10 BL	25	2490370000

Type	Qty.	Order No.
A3C 10	25	2490520000
A3C 10 BL	25	2490510000

**Accessories**

<b>Plug-in cross-connection</b>	2-pole
<b>End plate</b>	dark beige blue
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	2497250000
AEP 2C 10/16	20	2490380000
AEP 2C 10/16 BL	20	2490390000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 10 MI-R	0.2 A 50	1991870000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	2497250000
AEP 3C 10/16	20	2490530000
AEP 3C 10/16 BL	20	2490540000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 10 MI-R	0.2 A 50	1991870000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

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**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

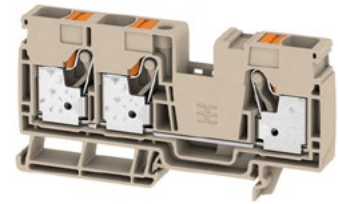
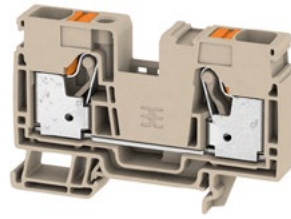
A

**A2C 16**

**16 mm<sup>2</sup>**

**A3C 16**

**16 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12 x 80.5 x 51.5
<b>76 / 25</b>
<b>0.5...25</b>

12 x 102 x 51.5
<b>76 / 25</b>
<b>0.5...25</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	62	62	64
16	AWG 18...6	AWG 18...6	16 mm <sup>2</sup>
8 kV / 3			
A6 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...16 / 10...25			
0.5...25 / 0.5...16			
18 / 1.0 x 5.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	62	62	64
16	AWG 18...6	AWG 18...6	16 mm <sup>2</sup>
8 kV / 3			
A6 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...16 / 10...25			
0.5...25 / 0.5...16			
18 / 1.0 x 5.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2C 16	20	2494000000
A2C 16 BL	20	2494100000

Type	Qty.	Order No.
A3C 16	20	2494090000
A3C 16 BL	20	2494080000

**Accessories**

<b>Plug-in cross-connection</b>	2-pole
<b>End plate</b>	dark beige blue
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 16N/2	76 A 25	2497290000
AEP 2C 10/16	20	2490380000
AEP 2C 10/16 BL	20	2490390000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

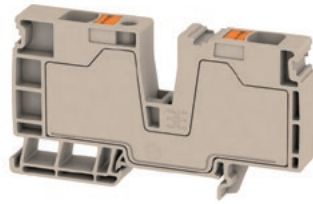
Type	Qty.	Order No.
ZQV 16N/2	76 A 25	2497290000
AEP 3C 10/16	20	2490530000
AEP 3C 10/16 BL	20	2490540000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

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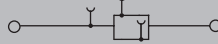


ALO 16

16 mm<sup>2</sup>



12 x 95.5 x 51.5  
**76 / 16**  
**0.5...16**



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

### Note

### Ordering data

Version	
	dark beige
	Blue
Note	

### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	62	62	69
16	AWG 18...6	AWG 18...6	16 mm <sup>2</sup>

8 kV / 3  
A6 / V-0

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Rated connection	
	0.5...10 / 0.5...25
	0.5...25 / 1.5...16
	18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ALO 16	20	2502280000
ALO 16 BL	20	2502320000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
ZQV 6N/2	41 A 60	1985740000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
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PS 2.0 MC	20	0310000000
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SDIL 1,0X5,5X125	1	2749160000
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DEK 5/5 PLUS MC NE WS	1000	1854490000
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DEK 5/8 PLUS MC NE WS	800	1046350000
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WS 10/8 PLUS MC NE WS	420	1905950000
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For detailed information on other accessories and application in the online catalogue



# Spring connection with PUSH IN technology (A-Series)

## Feed-through terminal blocks

Universal range

**A**

### A2C 35

35 mm<sup>2</sup>




### A2C 35 DM

35 mm<sup>2</sup>

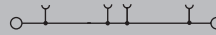


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 101.5 x 71.5
<b>125 / 35</b>
<b>2.5...35</b>





16 x 135 x 71.5
<b>125 / 35</b>
<b>2.5...35</b>



### Technical data

Rated data	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			
			
TUEV16ATEX7909U			
Rated connection			
2.5...16 / 10...35			
10...35 / 2.5...35			
25 / 1.0 x 5.5 mm			
<b>Note</b>			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			
			
TUEV16ATEX7909U			
Rated connection			
2.5...16 / 10...35			
10...35 / 2.5...35			
25 / 1.0 x 5.5 mm			
<b>Note</b>			

### Ordering data

Version	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2C 35	10	<b>2551510000</b>
A2C 35 BL	10	<b>2552090000</b>
<b>Note</b>		

Type	Qty.	Order No.
A2C 35 DM	10	<b>2551550000</b>
A2C 35 BL DM	10	<b>2552150000</b>
<b>Note</b>		

### Accessories

Plug-in cross-connection	
	2-pole
	2-pole
	2-pole
Additional tap	
	dark beige
	blue
	black/yellow
	green/yellow
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	
Cross connections insertable	
	2-pole
	3-pole

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	<b>2634950000</b>
ZQV 35N-10	57 A 10	<b>2562670000</b>
ZQV 35N-16	76 A 10	<b>2562660000</b>
AAC 35 2X6	41 A 5	<b>2583090000</b>
AAC 35 2X6 BL	41 A 5	<b>2583170000</b>
AAC 35 2X6 BK-YL	41 A 5	<b>2583190000</b>
AAC 35 2X6 GN-YL	41 A 5	<b>2583180000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
<b>Note</b>		

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	<b>2634950000</b>
ZQV 35N-10	57 A 10	<b>2562670000</b>
ZQV 35N-16	76 A 10	<b>2562660000</b>
AAC 35 2X6	41 A 5	<b>2583090000</b>
AAC 35 2X6 BL	41 A 5	<b>2583170000</b>
AAC 35 2X6 BK-YL	41 A 5	<b>2583190000</b>
AAC 35 2X6 GN-YL	41 A 5	<b>2583180000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
<b>Note</b>		

For detailed information on other accessories and application in the online catalogue



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

A

**A2C 95/120 DM**

**95 mm<sup>2</sup>**

**A2C 150/185**

**150 mm<sup>2</sup>**



Q3  
2023

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

25 x 133.5 x 90
<b>232 / 120</b>
<b>25...120</b>

34 x 118.5 x 98
<b>309 / 185</b>
<b>25...185</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000 / 1500	600		
232	255		
95	AWG 4...250		
8 kV / 3			
/ V-0			
<b>Rated connection</b>			
25...120 / 25...120			
25...120 / 25...95			
40 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000 / 1500			
309			
150			
8 kV / 3			
B13 / V-0			
<b>Rated connection</b>			
50...185 / 50...185			
50...185 / 50...150			
40 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 95/120-DM	5	<b>2694150000</b>
A2C 95/120 BL-DM	5	<b>2694160000</b>

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 150/185	5	<b>2728700000</b>
A2C 150/185 BL	5	<b>2728710000</b>

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	2-pole
	2-pole
<b>Additional tap</b>	
	dark beige
	blue
	black/yellow
	green/yellow
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Warning labels</b>	
<b>Marking tags</b>	
<b>Cross connections insertable</b>	
	2-pole
	3-pole

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AAC 50-185 2X10	57 A 5	<b>2663420000</b>
AAC 50-185 2X10 BL	57 A 5	<b>2663430000</b>
AAC 50-185 2X10 BK-YL	57 A 5	<b>2663450000</b>
AAC 50-185 2X10 GN-YL	57 A 5	<b>2663440000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
ZQV 95/120N/2	192 A 10	<b>2694250000</b>
ZQV 95/120N/3	192 A 10	<b>2694260000</b>

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AAC 50-185 2X10	57 A 5	<b>2663420000</b>
AAC 50-185 2X10 BL	57 A 5	<b>2663430000</b>
AAC 50-185 2X10 BK-YL	57 A 5	<b>2663450000</b>
AAC 50-185 2X10 GN-YL	57 A 5	<b>2663440000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
ZQV 150/185N/2	232 A 5	<b>2728840000</b>
ZQV 150/185N/3	232 A 5	<b>2728850000</b>

For detailed information on other accessories and application in the online catalogue

A2C 150/185 DM

150 mm<sup>2</sup>

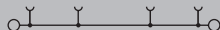


Q3  
2023

34 x 151 x 98

309 / 185

25...185



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500			
309			
150			
	8 kV / 3		
	B13 / V-0		

**Rated connection**

50...185 / 50...185

50...185 / 50...150

40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 150/185-DM	1	2728770000
A2C 150/185 BL-DM	5	2728780000

Type	Qty.	Order No.	
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL	57 A	5	2663440000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC		20	0310000000
SDS 1.0X5.5X150		1	2749380000
AAM 35-185 YE FLASH		40	2635600000
WS-A 8/16 MM WS		200	2619910000
ZQV 150/185N/2	232 A	5	2728840000
ZQV 150/185N/3	232 A	5	2728850000



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

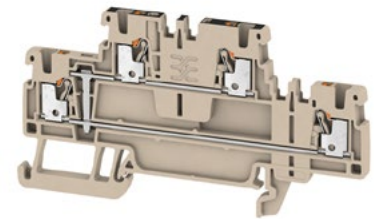
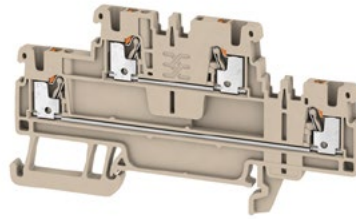
**A**

**A2T 1.5**

**1.5 mm<sup>2</sup>**

**A2T 1.5 VL**

**1.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 84 x 45	
<b>16 / 1.5</b>	
<b>0.14...1.5</b>	

3.5 x 84 x 45	
<b>16 / 1.5</b>	
<b>0.14...1.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V/-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex eb II		II 2 G D
				C Gb		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>			
500 /	300	300	440			
16	13	13	13.5			
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>			
				6 kV / 3		
				A1 / V-0		
				TUEV16ATEX7909U		
<b>Rated connection</b>						
0.5...1.5 / 0.5...1.5						
0.5...1.5 / 0.5...1						
8 / 0.4 x 2.0 mm						

IEC 60947-7-1				Ex eb II		II 2 G D
				C Gb		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>			
500 /	300	300	440			
17.5	13	13	13.5			
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>			
				6 kV / 3		
				A1 / V-0		
				TUEV16ATEX7909U		
<b>Rated connection</b>						
0.5...1.5 / 0.5...1.5						
0.5...1.5 / 0.5...1						
8 / 0.4 x 2.0 mm						

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2T 1.5	50	2469370000
A2T 1.5 BL	50	2471430000

Type	Qty.	Order No.
A2T 1.5 VL	50	2469400000
A2T 1.5 VL BL	50	2471450000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

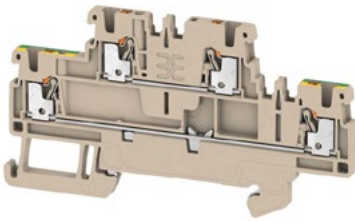
Type	Qty.	Order No.	
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
<b>End plate</b>			
AEP 2T 1.5	20	2469420000	
AEP 2T 1.5 BL	20	2471470000	
<b>End bracket</b>			
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
<b>Test adapter</b>			
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MHR	0.2 A	50	1991880000
<b>Test plug</b>			
PS 2.0 MC	20	0310000000	
<b>Screwdriver</b>			
SDS 0.4X2.0X60	1	2749260000	
<b>Marking tags</b>			
WS 10/3.5 PLUS MC NE WS	960	2003760000	
DEK 5/3.5 MM WS	1000	2007100000	
DEK 5/3.5 PLUS MC NE WS	1600	2003750000	
SNAPMARK 1.5	40	2682080000	

Type	Qty.	Order No.	
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
<b>End plate</b>			
AEP 2T 1.5	20	2469420000	
AEP 2T 1.5 BL	20	2471470000	
<b>End bracket</b>			
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
<b>Test adapter</b>			
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MHR	0.2 A	50	1991880000
<b>Test plug</b>			
PS 2.0 MC	20	0310000000	
<b>Screwdriver</b>			
SDS 0.4X2.0X60	1	2749260000	
<b>Marking tags</b>			
WS 10/3.5 PLUS MC NE WS	960	2003760000	
DEK 5/3.5 MM WS	1000	2007100000	
DEK 5/3.5 PLUS MC NE WS	1600	2003750000	
SNAPMARK 1.5	40	2682080000	

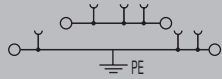
For detailed information on other accessories and application in the online catalogue

A2T 1.5 FT-PE

1.5 mm<sup>2</sup>



3.5 x 84 x 45  
16 / 1.5  
0.14...1.5



IEC 60947-7-1, IEC 60947-7-2  
Ex eb II  
C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
500 /	300	300	440
16	13	13	13.5
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

6 kV / 3  
A1 / V-0

TUEV16ATEX7909U

**Rated connection**

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
A2T 1.5 FT-PE	50	2469390000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEP 2T 1.5 BL	20	2471470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
SNAPMARK 1.5	40	2682080000



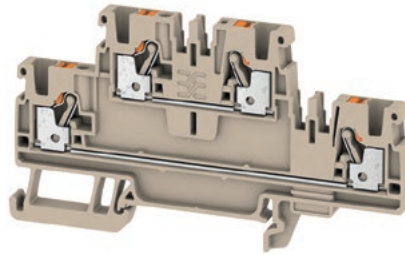
**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

A

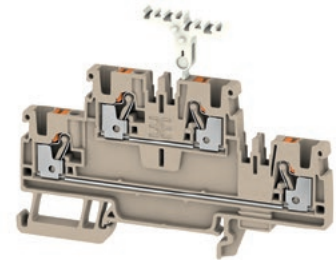
**A2T 2.5**

**2.5 mm<sup>2</sup>**



**A2T 2.5 SNAPMARK**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 90 x 50.5	
<b>24 / 4</b>	
<b>0.14...4</b>	

5.1 x 90 x 69	
<b>24 / 4</b>	
<b>0.14...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

Ex eb II C Gb II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2T 2.5	50	1547610000
A2T 2.5 BL	50	1547620000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2T 2.5 SNAPMARK	50	2581250000
A2T 2.5 SNAPMARK BL	50	2581280000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

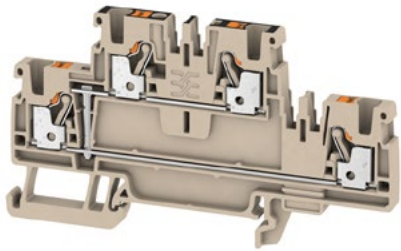
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
AEP 3T 2.5	20	2428560000
AEP 3T 2.5 BL	20	2428860000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue



A2T 2.5 VL

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
24 / 4  
0.14...4



IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3  
A3 / V-0

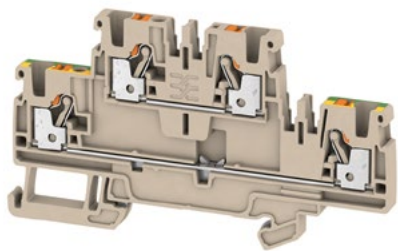
TUEV16ATEX7909U

Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

A2T 2.5 FT-PE

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
24 / 4  
0.14...4



IEC 60947-7-1, IEC 60947-7-2 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3  
A3 / V-0

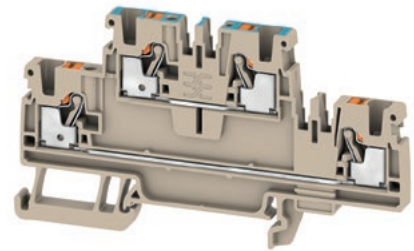
TUEV16ATEX7909U

Rated connection

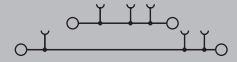
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

A2T 2.5 N-FT

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
24 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			

8 kV / 3  
/ V-0

Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 2.5 VL	50	1547650000
A2T 2.5 VL BL	50	1547660000

Type	Qty.	Order No.
A2T 2.5 FT-PE	50	1547640000

Type	Qty.	Order No.
A2T 2.5 N-FT	50	2723370000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000

AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000

AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

PS 2.0 MC	20	0310000000
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PS 2.0 MC	20	0310000000
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PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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SDIL 0,6X3,5X100	1	2749140000
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SDIL 0,6X3,5X100	1	2749140000
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DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000



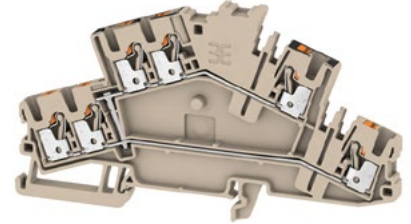
Spring connection with PUSH IN technology (A-Series)  
Feed-through terminal blocks

A2T 2.5 3C

2.5 mm<sup>2</sup>

A2T 2.5 3C VL

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 114.5 x 64
22 / 4
0.14...4

5.1 x 114.5 x 64
22 / 4
0.14...4

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	300		550
22	20		19
2.5	AWG 28...12		2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1 Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	300		550
22	20		19
2.5	AWG 28...12		2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Ordering data

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2T 2.5 3C	50	2531290000
A2T 2.5 3C BL	50	2531510000

Type	Qty.	Order No.
A2T 2.5 3C VL	50	2531310000
A2T 2.5 3C VL BL	50	2531530000

Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

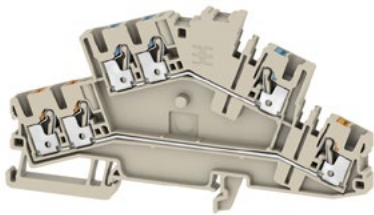
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
AEP 2T 2.5 3C	20	2532690000
AEP 2T 2.5 3C BL	20	2532700000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>End plate</b>		
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
<b>End bracket</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
<b>Test adapter</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
<b>Test plug</b>		
PS 2.0 MC	20	0310000000
<b>Screwdriver</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>Marking tags</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

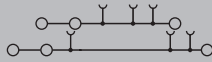
For detailed information on other accessories and application in the online catalogue

**A2T 2.5 3C N-FT**

**2.5 mm<sup>2</sup>**



5.1 x 114.5 x 64  
22 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
22			19
2.5			2.5 mm <sup>2</sup>
8 kV / 3 / V-0			

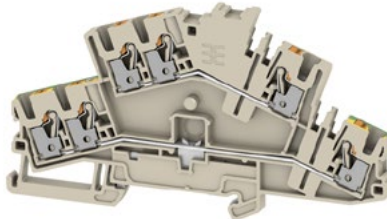
CE Ex TUEV16ATEX7909U

**Rated connection**

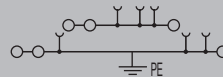
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

**A2T 2.5 3C FT-PE**

**2.5 mm<sup>2</sup>**



5.1 x 114.5 x 64  
22 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300		550
22	20		19
2.5	AWG 28...12		2.5 mm <sup>2</sup>
8 kV / 3 / A3 / V-0			

Ex eb II  
C Gb Ex II 2 G D

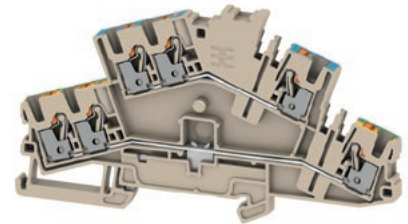
CE Ex TUEV16ATEX7909U

**Rated connection**

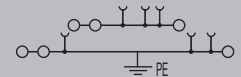
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

**A2T 2.5 3C N-PE**

**2.5 mm<sup>2</sup>**



5.1 x 114.5 x 64  
22 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
22			19
2.5			2.5 mm <sup>2</sup>
8 kV / 3 / A3 / V-0			

CE Ex TUEV16ATEX7909U

**Rated connection**

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 2.5 3C N-FT	50	2736830000

Type	Qty.	Order No.
A2T 2.5 3C FT-PE	50	2531300000

Type	Qty.	Order No.
A2T 2.5 3C N-PE	50	2623550000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

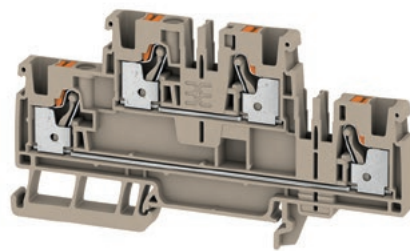


## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

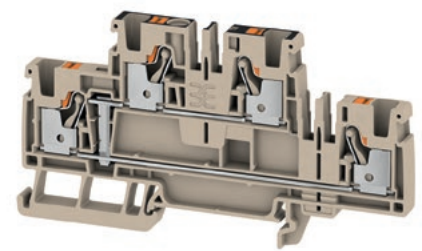
#### A2T 4

4 mm<sup>2</sup>



#### A2T 4 VL

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 100 x 53.5	
<b>32 / 6</b>	
<b>0.14...6</b>	

6.1 x 100 x 53.5	
<b>32 / 6</b>	
<b>0.14...6</b>	

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		550
32	30		25
4	AWG 26...10		4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

TUEV16ATEX7909U

<b>Rated connection</b>	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		550
32	30		25
4	AWG 26...10		4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

TUEV16ATEX7909U

<b>Rated connection</b>	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

#### Ordering data

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2T 4	50	2539970000
A2T 4 BL	50	2540040000

Type	Qty.	Order No.
A2T 4 VL	50	2540020000
A2T 4 VL BL	50	2540030000

#### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

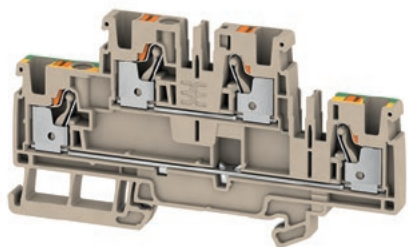
Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>AEP 2T 4</b>		
AEP 2T 4	20	2540000000
<b>AEP 2T 4 BL</b>		
AEP 2T 4 BL	20	2540010000
<b>AEB 35 SC/1</b>		
AEB 35 SC/1	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
AEB 35 SCL/1 V0	20	2661280000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
<b>ATPG 4 MHR</b>		
ATPG 4 MHR	0.2 A 50	1991860000
<b>PS 2.0 MC</b>		
PS 2.0 MC	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000
<b>WS 8/5 MM WS</b>		
WS 8/5 MM WS	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
WS 10/5 M PLUS MC NE WS	600	2003770000
<b>SNAPMARK I</b>		
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>AEP 2T 4</b>		
AEP 2T 4	20	2540000000
<b>AEP 2T 4 BL</b>		
AEP 2T 4 BL	20	2540010000
<b>AEB 35 SC/1</b>		
AEB 35 SC/1	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
AEB 35 SCL/1 V0	20	2661280000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
<b>ATPG 4 MHR</b>		
ATPG 4 MHR	0.2 A 50	1991860000
<b>PS 2.0 MC</b>		
PS 2.0 MC	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000
<b>WS 8/5 MM WS</b>		
WS 8/5 MM WS	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
WS 10/5 M PLUS MC NE WS	600	2003770000
<b>SNAPMARK I</b>		
SNAPMARK I	50	1805880000

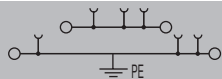
For detailed information on other accessories and application in the online catalogue

A2T 4 FT-PE

4 mm<sup>2</sup>



6.1 x 100 x 53.5  
32 / 6  
0.14...6



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600		550
32	30		25
4	AWG 26...10		4 mm <sup>2</sup>

8 kV / 3

A4 / V-0



TUEV16ATEX7909U

Rated connection

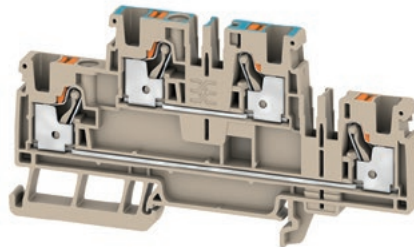
0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

A2T 4 N-FT

4 mm<sup>2</sup>



6.1 x 100 x 53.5  
32 / 6  
0.14...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			

8 kV / 3

A4 / V-0



Rated connection

0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 4 FT-PE	50	2539980000

Type	Qty.	Order No.
A2T 4 N-FT	50	2724450000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4	20	2540000000
AEP 2T 4 BL	20	2540010000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4	20	2540000000
AEP 2T 4 BL	20	2540010000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

Universal range

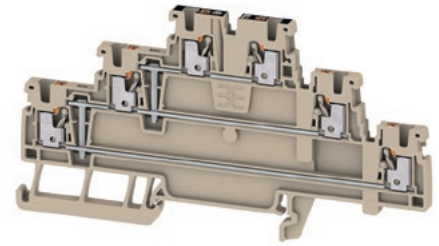
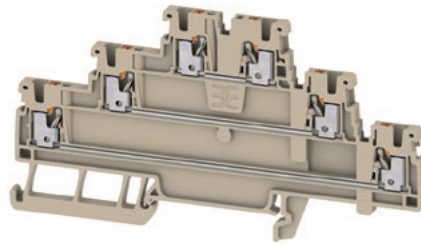
A

**A3T 1.5**

**1.5 mm<sup>2</sup>**

**A3T 1.5 VL**

**1.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 106.5 x 53
<b>15 / 1.5</b>
<b>0.14...1.5</b>

3.5 x 106.5 x 53
<b>15 / 1.5</b>
<b>0.14...1.5</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
15			
1.5			
	6 kV / 3		
	A1 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
8 / 0.4 x 2.0 mm			

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
15			
1.5			
	6 kV / 3		
	A1 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
8 / 0.4 x 2.0 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A3T 1.5	50	<b>2816930000</b>
A3T 1.5 BL	50	<b>2816940000</b>

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A3T 1.5 VL	50	<b>2817980000</b>

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

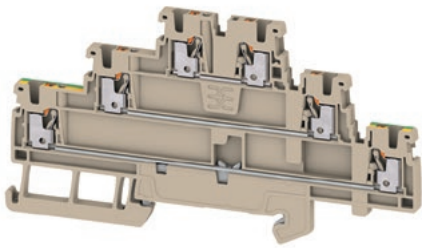
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A 60	<b>1985410000</b>
ZQV 1.5N/10	17.5 A 20	<b>1985580000</b>
AEP 3T 1.5	20	<b>2816950000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 1.5 MHR	0.2 A 50	<b>1991880000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 0.4X2.0X60	1	<b>2749260000</b>
WS 10/3.5 PLUS MC NE WS	960	<b>2003760000</b>
DEK 5/3.5 MM WS	1000	<b>2007100000</b>
DEK 5/3.5 PLUS MC NE WS	1600	<b>2003750000</b>
SNAPMARK 1.5	40	<b>2682080000</b>

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A 60	<b>1985410000</b>
ZQV 1.5N/10	17.5 A 20	<b>1985580000</b>
AEP 3T 1.5	20	<b>2816950000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 1.5 MHR	0.2 A 50	<b>1991880000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 0.4X2.0X60	1	<b>2749260000</b>
WS 10/3.5 PLUS MC NE WS	960	<b>2003760000</b>
DEK 5/3.5 MM WS	1000	<b>2007100000</b>
DEK 5/3.5 PLUS MC NE WS	1600	<b>2003750000</b>
SNAPMARK 1.5	40	<b>2682080000</b>

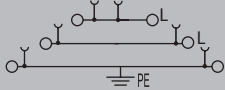
For detailed information on other accessories and application in the online catalogue

A3T 1.5 FT-FT-PE

1.5 mm<sup>2</sup>



3.5 x 106.5 x 53  
15 / 1.5  
0.14...1.5



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500			
15			
1.5			
			6 kV / 3
			A1 / V-0

CE

Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1.5

8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
A3T 1.5 FT-FT-PE	50	2817990000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 3T 1.5	20	2816950000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
SNAPMARK 1.5	40	2682080000



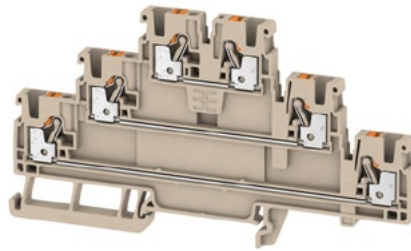
Spring connection with PUSH IN technology (A-Series)  
Feed-through terminal blocks

Universal range

A

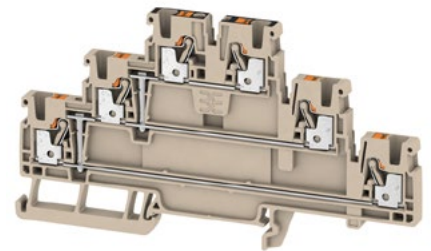
A3T 2.5

2.5 mm<sup>2</sup>



A3T 2.5 VL

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 116 x 64.5	
22 / 4	
0.14...4	

5.1 x 116 x 64.5	
24 / 4	
0.14...4	

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

DIN EN 60947-7-1

Ex eb II  
C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

TUEV16ATEX7909U

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

DIN EN 60947-7-1

Ex eb II  
C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

TUEV16ATEX7909U

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Ordering data

<b>Version</b>	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A3T 2.5	50	2428510000
A3T 2.5 BL	50	2428520000

Type	Qty.	Order No.
A3T 2.5 VL	25	2428540000
A3T 2.5 VL BL	25	2428550000

Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3T 2.5	20	2428560000
AEP 3T 2.5 BL	20	2428860000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

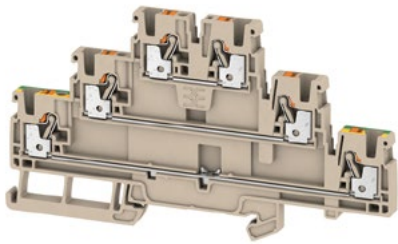
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3T 2.5	20	2428560000
AEP 3T 2.5 BL	20	2428860000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

For detailed information on other accessories and application in the online catalogue

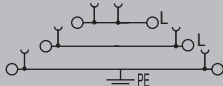


**A3T 2.5 FT-FT-PE**

**2.5 mm<sup>2</sup>**



5.1 x 116 x 64.5  
**24 / 4**  
**0.14...4**



Ex eb II  
C Gb II 2 G D

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0



TUEV16ATEX7909U

**Rated connection**

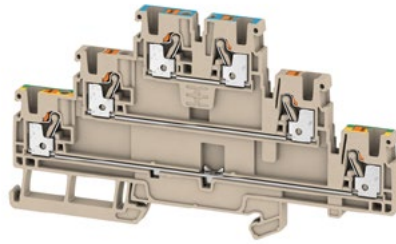
0.5...2.5 / 0.5...4

0.5...4 / 0.5...2.5

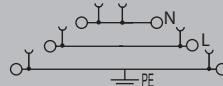
10 / 0.6 x 3.5 mm

**A3T 2.5 N-FT-PE**

**2.5 mm<sup>2</sup>**



5.1 x 116 x 64.5  
**24 / 4**  
**0.14...4**



Ex eb II  
C Gb II 2 G D

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0



TUEV16ATEX7909U

**Rated connection**

0.5...2.5 / 0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A3T 2.5 FT-FT-PE	50	2428530000

Type	Qty.	Order No.
A3T 2.5 N-FT-PE	50	2428840000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3T 2.5	20	2428560000
AEP 3T 2.5 BL	20	2428860000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3T 2.5	20	2428560000
AEP 3T 2.5 BL	20	2428860000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000



## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

#### AMC 2.5

2.5 mm<sup>2</sup>

#### AMC 2.5 800 V

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 107.5 x 88
<b>22 / 2.5</b>
<b>0.14...2.5</b>

6.1 x 107.5 x 88
<b>22 / 2.5</b>
<b>0.14...2.5</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

DIN EN 60947-7-1, DIN EN 60947-7-2

Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
690	150	150	440
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

DIN EN 60947-7-1, DIN EN 60947-7-2

Ex eb II C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	440
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TUEV16ATEX7909U			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

#### Ordering data

<b>Version</b>	dark beige
<b>Note</b>	

Type	Qty.	Order No.
AMC 2.5	50	2434340000

Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

#### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>Vertical jumpers</b>	
	1-pole
<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ZVQ 2.5/1.5	24 A 50	1720700000
AEP MC 2.5	25	2433820000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZVQ 2.5/1.5	24 A 50	1720700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

For detailed information on other accessories and application in the online catalogue



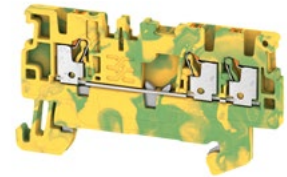
Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

A2C 1.5 PE

1.5 mm<sup>2</sup>

A3C 1.5 PE

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
/ 1.5	
0.14...1.5	

3.5 x 61.5 x 33.5	
/ 1.5	
0.14...1.5	

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			

Ex eb II C GbII 2 G D

<b>Rated connection</b>	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

IEC 60947-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			

Ex eb II C GbII 2 G D

<b>Rated connection</b>	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

Note

Note

Note

Ordering data

Version	Green/yellow
Note	

Type	Qty.	Order No.
A2C 1.5 PE	50	1552680000

Type	Qty.	Order No.
A3C 1.5 PE	50	1552670000

Accessories

End plate	dark beige Blue
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
AEP 2C 1.5	50	1552600000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 M-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

Type	Qty.	Order No.
AEP 3C 1.5	50	1552620000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 M-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

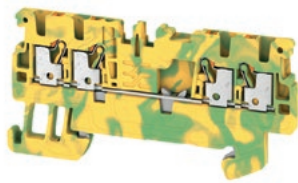
For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

A4C 1.5 PE

1.5 mm<sup>2</sup>



3.5 x 67.5 x 33.5  
/ 1.5  
0.14...1.5



Ex eb II C GbII  
2 G D



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			

180 A (1.5 mm<sup>2</sup>)

3

A1 / V-0



Rated connection

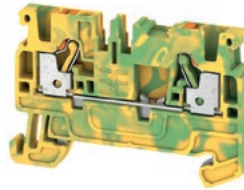
0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

A2C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
/ 4  
0.14...4



Ex eb II C GbII  
2 G D



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			

300 A (2.5 mm<sup>2</sup>)

3

A3 / V-0



Rated connection

0.5...2.5 / 0.5...4

0.5...4 / 0.5...2.5

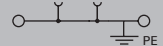
10 / 0.6 x 3.5 mm

AL2C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 57 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			

300 A (2.5 mm<sup>2</sup>)

3

A3 / V-0



Rated connection

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 1.5 PE	50	1552660000

Type	Qty.	Order No.
A2C 2.5 PE	50	1521680000

Type	Qty.	Order No.
AL2C 2.5 PE	50	2847590000

Type	Qty.	Order No.	
AEP 4C 1.5	50	1552640000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MI-R	0.2 A	50	1991880000
PS 2.0 MC	20	0310000000	
SDS 0.4X2.0X60	1	2749260000	
WS 10/3.5 PLUS MC NE WS	960	2003760000	
DEK 5/3.5 MM WS	1000	2007100000	
DEK 5/3.5 PLUS MC NE WS	1600	2003750000	

Type	Qty.	Order No.	
AEP 2C 2.5	50	1514400000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	

Type	Qty.	Order No.	
ALEP 2C 2.5	20	2871750000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 MI-R	0.2 A	50	1991960000
ATPG 2.5/3	0.2 A	25	2041190000
ATPG 2.5/5	0.2 A	25	2041180000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	



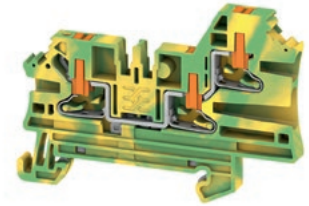
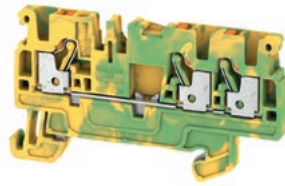
Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

A3C 2.5 PE

2.5 mm<sup>2</sup>

AL3C 2.5 PE

2.5 mm<sup>2</sup>

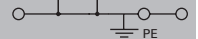


Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 66.5 x 36.5
/ 4
0.14...4



5.1 x 68 x 48
/ 2.5
0.14...2.5



Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
Ex eb II C GbII 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5			
800			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			
<b>Rated connection</b>			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Note

Note

Note

Ordering data

<b>Version</b>	Green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A3C 2.5 PE	50	1521670000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AL3C 2.5 PE	50	2847600000

Accessories

<b>End plate</b>	dark beige Blue
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole stackable 3-pole 5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AEP 3C 2.5	50	1521510000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ALEP 3C 2.5	20	2871770000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

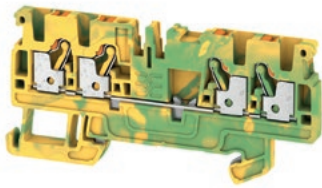
For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

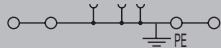
For detailed information on other accessories and application in the online catalogue

**A4C 2.5 PE**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
/ 4  
**0.14...4**



Ex eb II C GbII  
2 G D

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			

300 A (2.5 mm<sup>2</sup>)  
3  
A3 / V-0



**Rated connection**

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 2.5 PE	50	<b>1521540000</b>

Type	Qty.	Order No.
AEP 4C 2.5	50	<b>1521530000</b>

AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>

ATPG 1.5-10 L	0.2 A	50	<b>1991890000</b>
ATPG 2.5 MI-R	0.2 A	50	<b>1991960000</b>
ATPG 2.5/3	0.2 A	25	<b>2041190000</b>
ATPG 2.5/5	0.2 A	25	<b>2041180000</b>

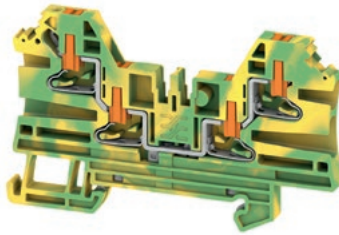
PS 2.0 MC	20	<b>0310000000</b>
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SDIL 0,6X3,5X100	1	<b>2749140000</b>
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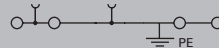
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

**AL4C 2.5 PE**

**2.5 mm<sup>2</sup>**



5.1 x 79.5 x 48  
/ 2.5  
**0.14...2.5**



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			

300 A (2.5 mm<sup>2</sup>)  
3  
A3 / V-0



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL4C 2.5 PE	50	<b>2847610000</b>

Type	Qty.	Order No.
ALEP 4C 2.5	20	<b>2871790000</b>

AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>

ATPG 1.5-10 L	0.2 A	50	<b>1991890000</b>
ATPG 2.5 MI-R	0.2 A	50	<b>1991960000</b>
ATPG 2.5/3	0.2 A	25	<b>2041190000</b>
ATPG 2.5/5	0.2 A	25	<b>2041180000</b>

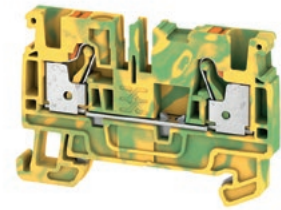
PS 2.0 MC	20	<b>0310000000</b>
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SDIL 0,6X3,5X100	1	<b>2749140000</b>
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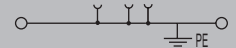
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

**A2C 4 PE**

**4 mm<sup>2</sup>**



6.1 x 60 x 39.5  
/ 6  
**0.14...6**



Ex eb II C GbII  
2 G D

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
800			

480 A (4 mm<sup>2</sup>)  
3  
A4 / V-0



**Rated connection**

0.5...4 / 0.5...6  
0.5...6 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 4 PE	50	<b>2051360000</b>

Type	Qty.	Order No.
AEP 2C 4	50	<b>2051680000</b>

AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>

ATPG 1.5-10 L	0.2 A	50	<b>1991890000</b>
ATPG 4 MI-R	0.2 A	50	<b>1991860000</b>

PS 2.0 MC	20	<b>0310000000</b>
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SDIL 0,6X3,5X100	1	<b>2749140000</b>
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WS 10/6 M PLUS MC NE WS	600	<b>2003780000</b>
DEK 5/6 MM WS	600	<b>2007120000</b>
WS 8/6 MM WS	600	<b>2007160000</b>
DEK 5/6 PLUS MC NE WS	1000	<b>1011320000</b>



Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

A

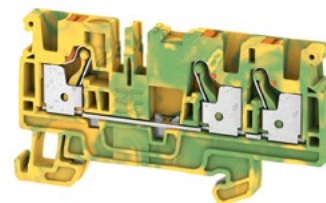
AL2C 4 PE

4 mm<sup>2</sup>



A3C 4 PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 39.5	
/ 4	
0.14...4	

6.1 x 74 x 39.5	
/ 6	
0.14...6	

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
4			
800			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

IEC 60947-7-2				Ex eb II C GbII	
				2 G D	
IEC	UL	CSA	EN 60079-7		
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>		
800					
480 A (4 mm <sup>2</sup> )					
3					
A4 / V-0					

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

Rated connection			
0.5...4 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Green/yellow
Note	

Type	Qty.	Order No.
AL2C 4 PE	50	2847740000

Type	Qty.	Order No.
A3C 4 PE	50	2051410000

Accessories

End plate	dark beige Blue
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
ALEP 2C 4		2871810000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

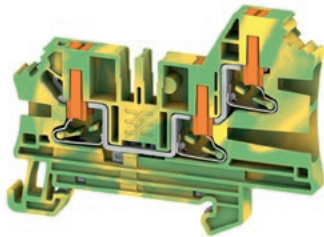
Type	Qty.	Order No.
AEP 3C 4	20	2051720000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue

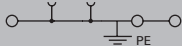


AL3C 4 PE

4 mm<sup>2</sup>



6.1 x 71.5 x 52.5  
/ 4  
0.14...4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
800			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL3C 4 PE	50	2847750000

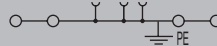
Type	Qty.	Order No.
ALEP 3C 4		2871830000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

A4C 4 PE

4 mm<sup>2</sup>



6.1 x 87.5 x 39.5  
/ 6  
0.14...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
800			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

Ex eb II C GbII 2 G D

Rated connection

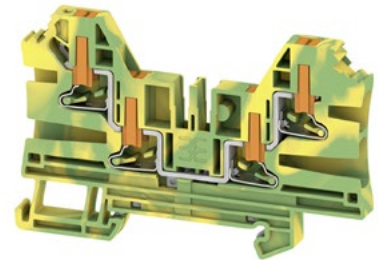
0.5...4 / 0.5...6  
0.5...6 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A4C 4 PE	50	2051560000

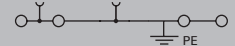
Type	Qty.	Order No.
AEP 4C 4	20	2051900000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MI-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

AL4C 4 PE

4 mm<sup>2</sup>



6.1 x 83 x 52.5  
/ 4  
0.14...4



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4			
800			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL4C 4 PE	50	2847770000

Type	Qty.	Order No.
ALEP 4C 4		2871850000
ALEP 3C 4 BL		2871840000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MI-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

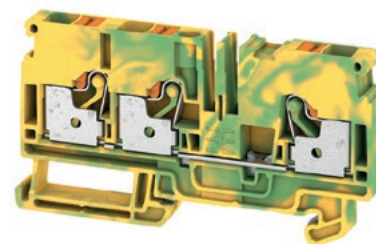
A

A2C 6 PE

6 mm<sup>2</sup>

A3C 6 PE

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 66.5 x 45.5	/ 10	
<b>0.34...10</b>		

8.1 x 84.5 x 45.5	/ 10	
<b>0.34...10</b>		

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
800			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

Ex eb II C Gbll 2 G D

<b>Rated connection</b>
0.5...6 / 0.5...6
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
800			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

Ex eb II C Gbll 2 G D

<b>Rated connection</b>
0.5...6 / 0.5...6
0.5...10 / 0.5...6
12 / 1.0 x 5.5 mm

Note

Ordering data

Version	Green/yellow
Note	

Type	Qty.	Order No.
A2C 6 PE	50	1991810000

Type	Qty.	Order No.
A3C 6 PE	50	1991850000

Accessories

<b>End plate</b>	dark beige Blue
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole stackable 3-pole 5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
AEP 2C 6	50	1991970000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 M/R	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS-A 8/8 MM WS	500	2448930000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
AEP 3C 6	50	1991940000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 M/R	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS-A 8/8 MM WS	500	2448930000
WS 10/8 PLUS MC NE WS	420	1905950000

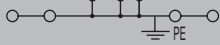
For detailed information on other accessories and application in the online catalogue

A4C 6 PE

6 mm<sup>2</sup>



8.1 x 102 x 45.5  
41 / 10  
0.34...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6			
800			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

Rated connection

0.5...6 / 0.5...6  
0.5...10 / 0.5...6  
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A4C 6 PE	50	2881490000

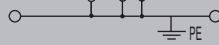
Type	Qty.	Order No.
AEP 4C 6		2876180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 MI-R	0.2 A 50	1991930000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS-A 8/8 MM WS	500	2448930000
WS 10/8 PLUS MC NE WS	420	1905950000

A2C 10 PE

10 mm<sup>2</sup>



10 x 80.5 x 51.5  
/ 16  
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 20...6	AWG 20...6	10 mm <sup>2</sup>
1000			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			

Ex eb II C GbII 2 G D

Rated connection

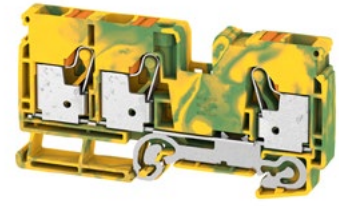
0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 10 PE	25	2490440000

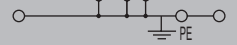
Type	Qty.	Order No.
AEP 2C 10/16	20	2490380000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

A3C 10 PE

10 mm<sup>2</sup>



10 x 102 x 51.5  
/ 16  
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 20...6	AWG 20...6	10 mm <sup>2</sup>
1000			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			

Ex eb II C GbII 2 G D

Rated connection

0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A3C 10 PE	25	2490590000

Type	Qty.	Order No.
AEP 3C 10/16	20	2490530000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

A2C 16 PE

16 mm<sup>2</sup>



A3C 16 PE

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12 x 80.5 x 51.5	
/ 25	
0.5...25	

12 x 102 x 51.5	
/ 25	
0.5...25	

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
16	AWG 18...6	AWG 18...6	16 mm <sup>2</sup>
1000			
1920 A (16 mm <sup>2</sup> )			
3			
A6 / V-0			
Rated connection			
0.5...16 / 10...25			
0.5...25 / 0.5...16			
18 / 1.0 x 5.5 mm			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
16	AWG 18...6	AWG 18...6	16 mm <sup>2</sup>
1000			
1920 A (16 mm <sup>2</sup> )			
3			
A6 / V-0			
Rated connection			
0.5...16 / 10...25			
0.5...25 / 0.5...16			
18 / 1.0 x 5.5 mm			

Note

Ordering data

Version	
	Green/yellow
Note	

Type	Qty.	Order No.
A2C 16 PE	20	2494010000

Type	Qty.	Order No.
A3C 16 PE	20	2494020000

Accessories

End plate	dark beige Blue
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
AEP 2C 10/16	20	2490380000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS-A 8/12 MM WS	300	2619900000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
AEP 3C 10/16	20	2490530000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS-A 8/12 MM WS	300	2619900000
WS 10/8 PLUS MC NE WS	420	1905950000

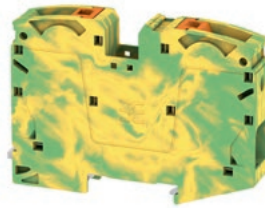
For detailed information on other accessories and application in the online catalogue

**A2C 35 PE**

**35 mm<sup>2</sup>**

**A2C 50/70 PE**

**50 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 101 x 71.5	
<b>/ 35</b>	
<b>2.5...35</b>	

20 x 101.5 x 80.5	
<b>/ 70</b>	
<b>10...70</b>	

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V/V DC
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
1000 / 1500			
4200 A (35 mm <sup>2</sup> )			
3			
/ V-0			
<b>Rated connection</b>			
2.5...16 / 10...35			
10...35 / 2.5...35			
25 / 1.0 x 5.5 mm			

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
50	AWG 8...0	AWG 8...NaN	
1000 / 1500			
6000 A (50 mm <sup>2</sup> )			
3			
/ V-0			
<b>Rated connection</b>			
10...70 / 10...70			
10...70 / 10...50			
30 / 1.0 x 5.5 mm			

**Note**

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

**Ordering data**

<b>Version</b>	Green/yellow
<b>Note</b>	

Type	Qty.	Order No.
A2C 35 PE	10	<b>2551520000</b>

Type	Qty.	Order No.
A2C 50/70 PE	5	<b>2663280000</b>

For 50 - 185 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Accessories**

<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	
<b>Additional tap</b>	green/yellow
<b>Warning labels</b>	

Type	Qty.	Order No.
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
AAC 35 2X6 GN-YL	41 A 5	<b>2583180000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>

Type	Qty.	Order No.
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>
AAC 50-185 2X10 GN-YL	57 A 5	<b>2663440000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>

For detailed information on other accessories and application in the online catalogue



Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

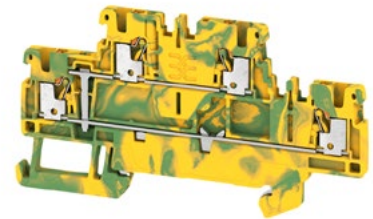
A2C 95/120 PE

95 mm<sup>2</sup>



A2T 1.5 PE

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

25 x 101.5 x 90	
/ 120	
25...120	

3.5 x 84 x 45	
/ 1.5	
0.14...1.5	

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V/V DC
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
95	AWG 4...0		
1000 / 1500			
14400 A (120 mm <sup>2</sup> )			
3			
/ V-0			
<b>Rated connection</b>			
25...120 / 25...120			
25...120 / 25...95			
40 / 1.0 x 5.5 mm			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500 /			
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			

**Note**

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Ordering data

Version	Green/yellow
<b>Note</b>	

Type	Qty.	Order No.
A2C 95/120 PE	5	2694090000
For 50 - 185 mm <sup>2</sup> , the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.		

Type	Qty.	Order No.
A2T 1.5 PE	50	2469410000

Accessories

<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	
<b>Additional tap</b>	green/yellow
<b>Warning labels</b>	

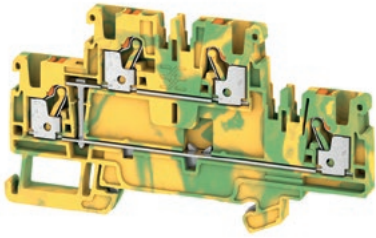
Type	Qty.	Order No.	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
WS-A 8/16 MM WS	200	2619910000	
AAC 50-185 2X10 GN-YL	57 A	5	2663440000
AAM 35-185 YE FLASH	40	2635600000	

Type	Qty.	Order No.	
AEP 2T 1.5	20	2469420000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 1.5 MHR	0.2 A	50	1991880000
PS 2.0 MC	20	0310000000	
SDIS 0.4X2.0X60	1	2749780000	
WS 10/3.5 PLUS MC NE WS	960	2003760000	
DEK 5/3.5 MM WS	1000	2007100000	
DEK 5/3.5 PLUS MC NE WS	1600	2003750000	
SNAPMARK 1.5	40	2682080000	

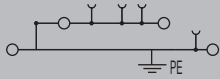
For detailed information on other accessories and application in the online catalogue

A2T 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
/ 4  
0.14...4



IEC 60947-7-2

Ex eb II C GbII  
2 G D



IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800 /			

300 A (2.5 mm<sup>2</sup>)

3

A3 / V-0



**Rated connection**

0.5...2.5 / 0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2T 2.5 PE	50	1547680000

Type	Qty.	Order No.
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK 1.5	40	2682080000
WS 8/5 MM WS	800	2007150000



Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

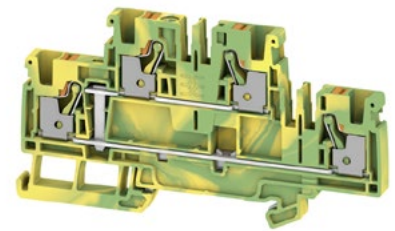
A2T 2.5 3C PE

2.5 mm<sup>2</sup>



A2T 4 PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 114.2 x 64	
/ 4	
0.14...4	

6.1 x 100 x 53.5	
/ 6	
0.14...6	

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 28...12		2.5 mm <sup>2</sup>
800			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			
<b>Rated connection</b>			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
4	AWG 26...10		4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			
<b>Rated connection</b>			
0.5...4 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
<b>Note</b>			

Ordering data

<b>Version</b>	Green/yellow
<b>Note</b>	

Type	Qty.	Order No.
A2T 2.5 3C PE	50	2531320000

Type	Qty.	Order No.
A2T 4 PE	50	2539990000

Accessories

<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable dark beige, direct mounting
<b>Test adapter</b>	1-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.	
AEP 2T 2.5 3C	20	2532690000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 2.5 M/R	0.2 A	50	1991960000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
WS 10/5 M PLUS MC NE WS	600	2003770000	
WS 8/5 MM WS	800	2007150000	
DEK 5/5 MM WS	800	2007110000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	

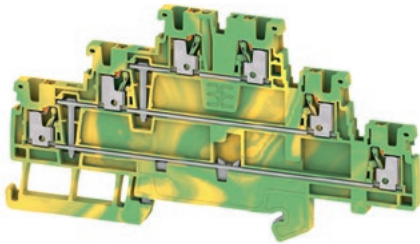
Type	Qty.	Order No.	
AEP 2T 4	20	2540000000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 4 M/R	0.2 A	50	1991860000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
DEK 5/6 PLUS MC NE WS	1000	1011320000	
WS 8/6 MM WS	600	2007160000	
DEK 5/6 MM WS	600	2007120000	
WS 10/6 M PLUS MC NE WS	600	2003780000	
SNAPMARK I	50	1805880000	

For detailed information on other accessories and application in the online catalogue

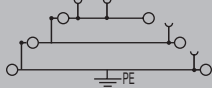


A3T 1.5 PE

1.5 mm<sup>2</sup>



3.5 x 106.5 x 57  
/ 1.5  
0.14...1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5			
500			
3			
A1 / V-0			

CE

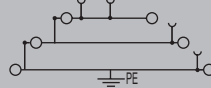
**Rated connection**  
0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

A3T 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 116 x 64.5  
/ 4  
0.14...4



DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

Ex eb II C GbII  
2 G D



CE, UL, CSA, IEC, KEMA, Ex

**Rated connection**  
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A3T 1.5 PE	50	281800000

Type	Qty.	Order No.
A3T 2.5 PE	50	242855000

Type	Qty.	Order No.
AEP 3T 1.5	20	281695000
AEB 35 SC/1	50	199192000
AEB 35 SCL/1 VO	20	266128000
ATPG 1.5-10 L	0.2 A 50	199189000
ATPG 1.5 MI-R	0.2 A 50	199188000
PS 2.0 MC	20	031000000
SDS 0.4X2.0X60	1	274926000
DEK 5/3.5 PLUS MC NE WS	1600	200375000
DEK 5/3.5 MM WS	1000	200710000
WS 10/3.5 PLUS MC NE WS	960	200376000
SNAPMARK 1.5	40	268208000

Type	Qty.	Order No.
AEP 3T 2.5	20	242856000
AEB 35 SC/1	50	199192000
AEB 35 SCL/1 VO	20	266128000
ATPG 1.5-10 L	0.2 A 50	199189000
ATPG 2.5 MI-R	0.2 A 50	199196000
PS 2.0 MC	20	031000000
SDIL 0,6X3,5X100	1	274914000
WS 10/5 M PLUS MC NE WS	600	200377000
WS 8/5 MM WS	800	200715000
DEK 5/5 MM WS	800	200711000
DEK 5/5 PLUS MC NE WS	1000	185449000
SNAPMARK I	50	180588000

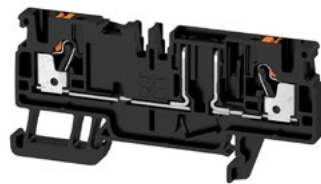


## Spring connection with PUSH IN technology (A series)

### Fuse terminals blocks

AFS 2.5 CF 2C

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 37.65

10 / 4

0.14...4



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	
<b>Note</b>	

In accordance with IEC 60947-7-3

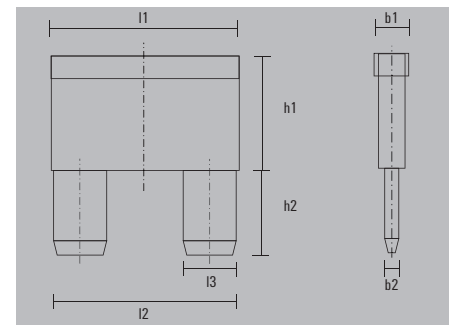
IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	16	16	
2.5	AWG 28...12	AWG 28...12	
/ 3			
A3 /			



#### Rated connection

0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Dimensions for blade-type fuse inserts according to DIN 72581-3:2001-03



b1 max.	b2 ± 0.4	h1 max.	h2 ± 0.2	l1 max.	l2 ± 0.3	l3 ± 0.2
4	0.82	9	7.5	12	10.9	2.8

#### Ordering data

<b>Version</b>	
	400 V DC
	12 V DC
	24 V DC
<b>Note</b>	

Type	Qty.	Order No.
AFS 2.5 CF 2C BK	50	2466530000
AFS 2.5 CF 2C 12V BK	50	2466610000
AFS 2.5 CF 2C 24V BK	50	2466600000

#### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	Black
<b>Test plug</b>	
<b>Terminal blocks identical in contour</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP 4C 2.5 BK</b>		
	50	2486660000
<b>PS 2.0 MC</b>		
	20	0310000000
A3C 2.5	24 A 100	1521740000
A3C 2.5 PE	50	1521670000
ADT 2.5 2C	20 A 50	1989800000
A2C 2.5 /DT/FS	24 A 100	1989900000
A2C 2.5 PE /DT/FS	50	1989890000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
	1000	1854490000
<b>WS 10/5 M PLUS MC NE WS</b>		
	600	2003770000
<b>DEK 5/5 MM WS</b>		
	800	2007110000
<b>WS 8/5 MM WS</b>		
	800	2007150000

For detailed information on other accessories and application in the online catalogue

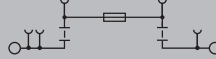
AFS 4 2C

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 74 x 68  
6.3 / 6  
0.14...6



### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	

DIN EN 60947-7-3 Ex ec II C Gc II 3 G D

IEC	UL	CSA	EN 60079-7
500	150 (C)	150 (C)	
6.3	10	10	6.3
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
4 kV / 3			
A4 / V-0			

TUEV17ATEX8064U	
<b>Rated connection</b>	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

### Note

### Ordering data

<b>Version</b>	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100 - 250 V AC/DC, with LED	

### Note

Type	Qty.	Order No.
AFS 4 2C BK	50	2429860000
AFS 4 2C 10-36V BK	50	2429870000
AFS 4 2C 30-70V BK	50	2434350000
AFS 4 2C 60-150V BK	50	2434380000
AFS 4 2C 100-250V BK	50	2434390000

### Accessories

<b>Plug-in cross-connection</b>	
2-pole	
10-pole	
<b>End plate</b>	
Black	
<b>Test plug</b>	
<b>Terminal blocks identical in contour</b>	
<b>Screwdriver</b>	
Standard	
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>AEP 3C 4 BK</b>		
	20	2486640000
<b>PS 2.0 MC</b>		
	20	0310000000
<b>A3C 4</b>		
	32 A 50	2051240000
<b>A3C 4 PE</b>		
	50	2051410000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/6 PLUS MC NE WS</b>		
	1000	1011320000
<b>WS 10/6 M PLUS MC NE WS</b>		
	600	2003780000
<b>DEK 5/6 MM WS</b>		
	600	2007120000
<b>WS 8/6 MM WS</b>		
	600	2007160000
<b>G 20/0.25A/F</b>		
	0.25 A 10	0430500000
<b>G 20/0.50A/F</b>		
	0.5 A 10	0430600000
<b>G 20/1.00A/F</b>		
	1 A 10	0430700000
<b>G 20/2.00A/F</b>		
	2 A 10	0430900000

<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	

For detailed information on other accessories and application in the online catalogue



## Spring connection with PUSH IN technology (A series)

### Fuse terminals blocks

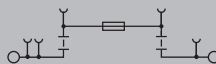
AFS 4 2C BK/BL

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 74 x 68  
**6.3 / 6**  
**0.14...6**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	

DIN EN 60947-7-3

IEC	UL	CSA	EN 60079-7
500	150 (C)	150 (C)	
6.3	10	10	6.3
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
4 kV / 3			
A4 / V-0			

® TUEV17ATEX8064U

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	

**Note**

#### Ordering data

Version	
	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
AFS 4 2C BK/BL	50	2548140000

#### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
End plate	
	Black
Test plug	
Terminal blocks identical in contour	
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 3C 4 BK	20	2486640000
PS 2.0 MC	20	0310000000
A3C 4	32 A 50	2051240000
A3C 4 PE	50	2051410000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

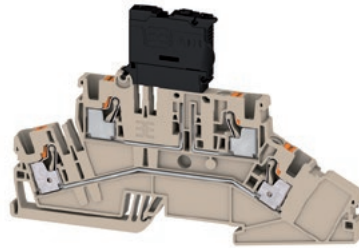
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast

For detailed information on other accessories and application in the online catalogue

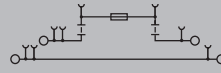
Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	41 °C	4,0 W / 6,3 A	31 °C	1,6 W / 6,3 A
In combination	32 °C	2,5 W / 6,3 A	34 °C	1,6 W / 6,3 A

**A2T 4 FS-FT**

4 mm<sup>2</sup>



6.1 x 126.5 x 83.5  
**6.3 / 6**  
**0.14...6**



IEC 60947-7-3, IEC 60947-7-1

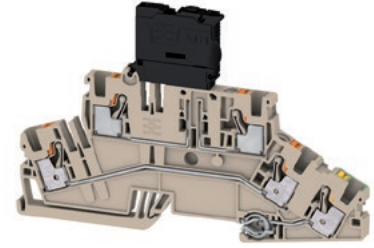
IEC	UL	CSA	EN 60079-7
500			
6.3			
4			
		6 kV / 3	
		A4 / V-0	

CE

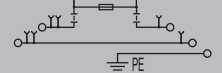
Rated connection
0.5...4 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

**A2T 4 FS-FT-PE**

4 mm<sup>2</sup>



6.1 x 126.5 x 83.5  
**6.3 / 6**  
**0.14...6**



IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
4			
		6 kV / 3	
		A4 / V-0	

CE

Rated connection
0.5...4 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	
Note	

**Ordering data**

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100 - 250 V AC/DC, with LED	
Note	

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
Test plug	
Terminal blocks identical in contour	
Screwdriver	
	Standard
Marking tags	
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast

Type	Qty.	Order No.
A2T 4 FS-FT	50	2831500000
Note		

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4 FS	20	2817060000
PS 2.0 MC	20	0310000000
A2T 4 DT-FT	20 A 50	2831520000
A2T 4 DT-FT-PE	20 A 50	2831530000
A2T 4 FS-FT-PE	6.3 A 50	2831510000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

Type	Qty.	Order No.
A2T 4 FS-FT-PE	50	2831510000
Note		

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4 FS	20	2817060000
PS 2.0 MC	20	0310000000
A2T 4 DT-FT	20 A 50	2831520000
A2T 4 DT-FT-PE	20 A 50	2831530000
A2T 4 FS-FT	6.3 A 50	2831500000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

For detailed information on other accessories and application in the online catalogue



# Spring connection with PUSH IN technology (A series)

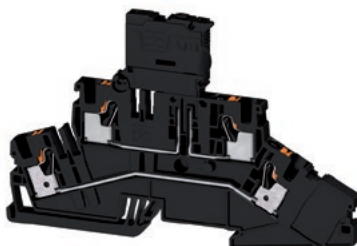
## Fuse terminals blocks

Universal range

A

### A2T 4 FS-FT BK

4 mm<sup>2</sup>



### A2T 4 FS-FT-PE BK

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 126.5 x 83.5
<b>6.3 / 6</b>
<b>0.14...6</b>

6.1 x 126.5 x 83.5
<b>6.3 / 6</b>
<b>0.14...6</b>

#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	
<b>Note</b>	

IEC 60947-7-3, IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
6.3			
4			
	6 kV / 3		
	A4 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...4 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			

IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
6.3			
4			
	6 kV / 3		
	A4 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...4 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			

#### Ordering data

<b>Version</b>	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100 - 250 V AC/DC, with LED	
<b>Note</b>	

Type	Qty.	Order No.
A2T 4 FS-FT BK	50	2816960000
A2T 4 FS-FT 10-36V BK	50	2816970000
A2T 4 FS-FT 30-70V BK	50	2816980000
A2T 4 FS-FT 60-150V BK	50	2816990000
A2T 4 FS-FT 100-250V BK	50	2817000000

Type	Qty.	Order No.
A2T 4 FS-FT-PE BK	50	2817010000
A2T 4 FS-FT-PE 10-36V BK	50	2817020000
A2T 4 FS-FT-PE 30-70V BK	50	2817030000
A2T 4 FS-FT-PE 60-150V BK	50	2817040000
A2T 4 FS-FT-PE 100-250V BK	50	2817050000

#### Accessories

<b>Plug-in cross-connection</b>	
2-pole	
10-pole	
<b>End plate</b>	
dark beige	
<b>Test plug</b>	
<b>Terminal blocks identical in contour</b>	
<b>Screwdriver</b>	
Standard	
<b>Marking tags</b>	
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>AEP 2T 4 FS</b>		
AEP 2T 4 FS	20	2817060000
<b>PS 2.0 MC</b>		
PS 2.0 MC	20	0310000000
A2T 4 DT-FT	20 A 50	2831520000
A2T 4 DT-FT-PE	20 A 50	2831530000
A2T 4 FS-FT-PE BK	6.3 A 50	2817010000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/6 PLUS MC NE WS</b>		
DEK 5/6 PLUS MC NE WS	1000	1011320000
<b>WS 10/6 M PLUS MC NE WS</b>		
WS 10/6 M PLUS MC NE WS	600	2003780000
<b>DEK 5/6 MM WS</b>		
DEK 5/6 MM WS	600	2007120000
<b>WS 8/6 MM WS</b>		
WS 8/6 MM WS	600	2007160000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
<b>AEP 2T 4 FS</b>		
AEP 2T 4 FS	20	2817060000
<b>PS 2.0 MC</b>		
PS 2.0 MC	20	0310000000
A2T 4 DT-FT	20 A 50	2831520000
A2T 4 DT-FT-PE	20 A 50	2831530000
A2T 4 FS-FT BK	6.3 A 50	2816960000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/6 PLUS MC NE WS</b>		
DEK 5/6 PLUS MC NE WS	1000	1011320000
<b>WS 10/6 M PLUS MC NE WS</b>		
WS 10/6 M PLUS MC NE WS	600	2003780000
<b>DEK 5/6 MM WS</b>		
DEK 5/6 MM WS	600	2007120000
<b>WS 8/6 MM WS</b>		
WS 8/6 MM WS	600	2007160000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

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**VDS180 SV7.62**



Type	Qty.	Order No.
VDS180 SV7.62	50	1853940000

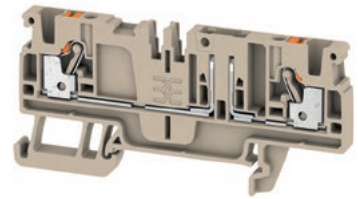
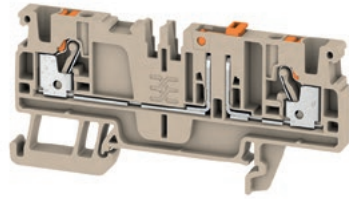
**Spring connection with PUSH IN technology (A-Series)**  
**Test-disconnect terminal blocks**

**ADT 2.5 2C**

2.5 mm<sup>2</sup>

**ADT 2.5 2C W/O DTLV**

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 37.65	
<b>20 / 4</b>	
<b>0.14...4</b>	

5.1 x 77.5 x 36.5	
<b>20 / 4</b>	
<b>0.14...4</b>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Ordering data**

Version	
	dark beige
	Blue
	without isolator
Note	

Type	Qty.	Order No.
ADT 2.5 2C	50	<b>1989800000</b>
ADT 2.5 2C BL	50	<b>1989810000</b>

Type	Qty.	Order No.
ADT 2.5 2C W/O DTLV	50	<b>1989930000</b>

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	<b>1527540000</b>
ZQV 2.5N/10	24 A 20	<b>1527690000</b>
End plate		
AEP 4C 2.5	50	<b>1521530000</b>
AEP 4C 2.5 BL	50	<b>1521640000</b>
End bracket		
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
Test adapter		
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MHR	0.2 A 50	<b>1991960000</b>
ATPG 2.5/3	0.2 A 25	<b>2041190000</b>
ATPG 2.5/5	0.2 A 25	<b>2041180000</b>
Test plug		
PS 2.0 MC	20	<b>0310000000</b>
Screwdriver		
SDIL 0,6X3,5X100	1	<b>2749140000</b>
Marking tags		
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	<b>1527540000</b>
ZQV 2.5N/10	24 A 20	<b>1527690000</b>
End plate		
AEP 4C 2.5	50	<b>1521530000</b>
AEP 4C 2.5 BL	50	<b>1521640000</b>
End bracket		
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
Test adapter		
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MHR	0.2 A 50	<b>1991960000</b>
ATPG 2.5/3	0.2 A 25	<b>2041190000</b>
ATPG 2.5/5	0.2 A 25	<b>2041180000</b>
Test plug		
PS 2.0 MC	20	<b>0310000000</b>
Screwdriver		
SDIL 0,6X3,5X100	1	<b>2749140000</b>
Marking tags		
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

For detailed information on other accessories and application in the online catalogue



A2C 2.5 /DT/FS

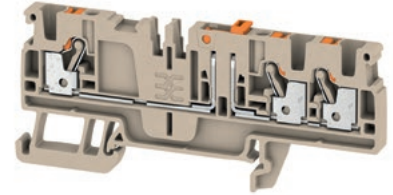
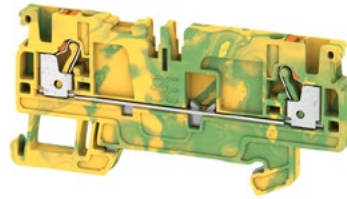
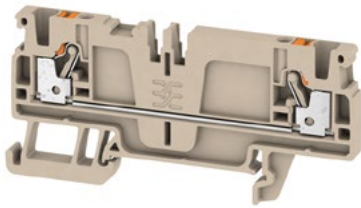
2.5 mm<sup>2</sup>

A2C 2.5 PE /DT/FS

2.5 mm<sup>2</sup>

ADT 2.5 3C

2.5 mm<sup>2</sup>



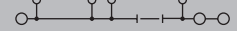
5.1 x 77.5 x 36.5  
24 / 4  
0.14...4



5.1 x 77.5 x 36.5  
/ 4  
0.14...4



5.1 x 84.5 x 37.65  
20 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 2.5 /DT/FS	100	1989900000
A2C 2.5 /DT/FS BL	100	1989910000

Type	Qty.	Order No.
A2C 2.5 PE /DT/FS	50	1989890000

Type	Qty.	Order No.
ADT 2.5 3C	50	1989830000
ADT 2.5 3C BL	50	1989840000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

AEP 4C 2.5	50	1521530000
AEP 4C 2.5 BL	50	1521640000

AEP 4C 2.5	50	1521530000
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AEP DT 2.5 3C	50	1989970000
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AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

PS 2.0 MC	20	0310000000
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PS 2.0 MC	20	0310000000
-----------	----	------------

PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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SDIL 0,6X3,5X100	1	2749140000
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SDIL 0,6X3,5X100	1	2749140000
------------------	---	------------

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000



# Spring connection with PUSH IN technology (A-Series)

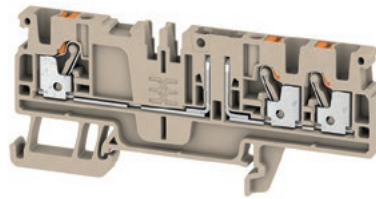
## Test-disconnect terminal blocks

Universal range

A

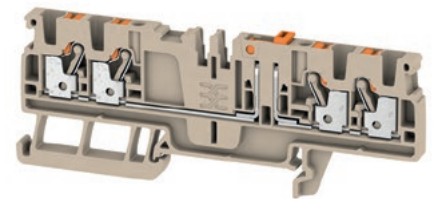
### ADT 2.5 3C W/O DTLV

2.5 mm<sup>2</sup>



### ADT 2.5 4C

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 84.5 x 36.5	
<b>20 / 4</b>	
<b>0.14...4</b>	

5.1 x 96 x 37.65	
<b>20 / 4</b>	
<b>0.14...4</b>	

#### Technical data

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE, c, us, ENEC, ENEC (KEMA), KC, Ex

Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE, c, us, ENEC, ENEC (KEMA), KC, Ex

Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

#### Ordering data

Version	
	dark beige
	Blue
	without isolator
<b>Note</b>	

Type	Qty.	Order No.
ADT 2.5 3C W/O DTLV	50	1989940000

Type	Qty.	Order No.
ADT 2.5 4C	50	1989860000
ADT 2.5 4C BL	50	1989870000

#### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

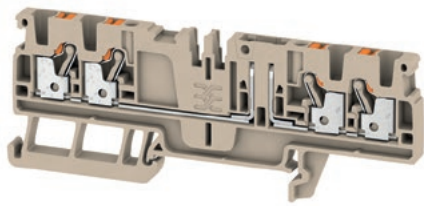
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP DT 2.5 3C</b>		
	50	1989970000
<b>AEB 35 SC/1</b>		
	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
	20	2661280000
<b>ATPG 1.5-10 L</b>		
	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
	0.2 A 50	1991960000
<b>ATPG 2.5/3</b>		
	0.2 A 25	2041190000
<b>ATPG 2.5/5</b>		
	0.2 A 25	2041180000
<b>PS 2.0 MC</b>		
	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
	1000	1854490000
<b>DEK 5/5 MM WS</b>		
	800	2007110000
<b>WS 8/5 MM WS</b>		
	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP DT 2.5 4C</b>		
	50	1989980000
<b>AEB 35 SC/1</b>		
	50	1991920000
<b>AEB 35 SCL/1 V0</b>		
	20	2661280000
<b>ATPG 1.5-10 L</b>		
	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
	0.2 A 50	1991960000
<b>ATPG 2.5/3</b>		
	0.2 A 25	2041190000
<b>ATPG 2.5/5</b>		
	0.2 A 25	2041180000
<b>PS 2.0 MC</b>		
	20	0310000000
<b>SDIL 0,6X3,5X100</b>		
	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
	1000	1854490000
<b>DEK 5/5 MM WS</b>		
	800	2007110000
<b>WS 8/5 MM WS</b>		
	800	2007150000
<b>WS 10/5 M PLUS MC NE WS</b>		
	600	2003770000

For detailed information on other accessories and application in the online catalogue

ADT 2.5 4C W/O DTLV

2.5 mm<sup>2</sup>



5.1 x 96 x 36.5  
20 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

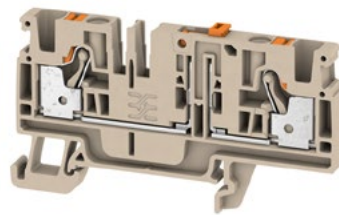


Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

ADT 4 2C

4 mm<sup>2</sup>



6.1 x 74 x 41  
20 / 6  
0.14...6



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	600	600	
20	20	20	
4	AWG 26...10	AWG 26...10	
4 kV / 3			
A4 / V-0			



Rated connection

0.5...4 / 0.5...6  
0.5...6 / 0.5...4  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	1989950000

Type	Qty.	Order No.
ADT 4 2C	50	2429850000
ADT 4 2C BL	50	2429880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP DT 2.5 4C	50	1989980000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 4C 4	20	2051900000
AEP 4C 4 BL	20	2051910000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

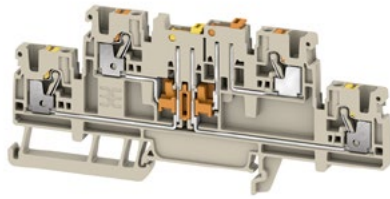


## Spring connection with PUSH IN technology (A-Series)

### Test-disconnect terminal blocks

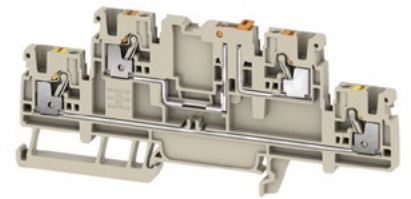
#### A2T 2.5 DT/DT

2.5 mm<sup>2</sup>



#### A2T 2.5 DT/FT

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 115 x 50.5	
<b>16 / 4</b>	
<b>0.14...4</b>	

5.1 x 115 x 50.5	
<b>16 / 4</b>	
<b>0.14...4</b>	

#### Technical data

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	19	19	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	19	19	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

#### Ordering data

Version	
	dark beige
	Blue
<b>Note</b>	

Type	Qty.	Order No.
A2T 2.5 DT/DT	50	2744110000
A2T 2.5 DT/DT BL	50	2744120000

Type	Qty.	Order No.
A2T 2.5 DT/FT	50	2744130000
A2T 2.5 DT/FT BL	50	2744140000

#### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	
<b>Holder for cartridge fuse 5 x 20 mm</b>	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	35 - 70 V AC/DC, red LED
	60 - 150 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
<b>Disconnect plug</b>	
	orange
	removable, as replacement for release lever
<b>Module connector (max, 250 V)</b>	
	without fittings
	With 1N4007 diode
	with wire jumper
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP DT 2.5 2T</b>		
AEP DT 2.5 2T	20	2744150000
AEP DT 2.5 2T BL	20	2744160000
<b>AEB 35 SC/1</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000
<b>WS 8/5 MM WS</b>		
WS 8/5 MM WS	800	2007150000
<b>SIHA 3/G20</b>		
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 35-70V	25	7921580000
SIHA 3/G20/LD 60-150V	25	7921590000
SIHA 3/G20/LD 140-250V	25	7921600000
<b>TNST OR</b>		
TNST OR	20 A 50	2463540000
<b>TNST</b>		
TNST	20 A 50	1833090000
<b>BEST</b>		
BEST	50	1833100000
<b>BEST/D</b>		
BEST/D	1 A 50	1878560000
<b>BEST/DRBR</b>		
BEST/DRBR	22 A 50	1878570000

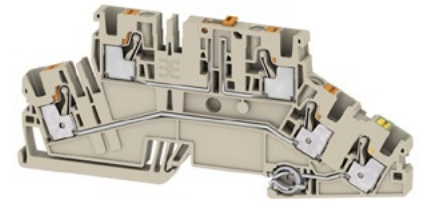
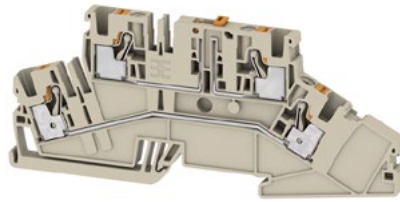
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP DT 2.5 2T</b>		
AEP DT 2.5 2T	20	2744150000
AEP DT 2.5 2T BL	20	2744160000
<b>AEB 35 SC/1</b>		
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000
<b>WS 8/5 MM WS</b>		
WS 8/5 MM WS	800	2007150000
<b>SIHA 3/G20</b>		
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 35-70V	25	7921580000
SIHA 3/G20/LD 60-150V	25	7921590000
SIHA 3/G20/LD 140-250V	25	7921600000
<b>TNST OR</b>		
TNST OR	20 A 50	2463540000
<b>TNST</b>		
TNST	20 A 50	1833090000
<b>BEST</b>		
BEST	50	1833100000
<b>BEST/D</b>		
BEST/D	1 A 50	1878560000
<b>BEST/DRBR</b>		
BEST/DRBR	22 A 50	1878570000

**A2T 4 DT-FT**

4 mm<sup>2</sup>

**A2T 4 DT-FT-PE**

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 126.5 x 56.5
20 / 6
0.14...6

6.1 x 126.5 x 56.5
20 / 6
0.14...6

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
20			
4			
	6 kV / 3		
	A4 / V-0		

IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
20			
4			
	6 kV / 3		
	A4 / V-0		

**CE**

<b>Rated connection</b>	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

**CE**

<b>Rated connection</b>	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

**Note**

**Ordering data**

<b>Version</b>	
	dark beige
	without isolator, dark beige
<b>Note</b>	

Type	Qty.	Order No.
A2T 4 DT-FT	50	2831520000
A2T 4 DT-FT W/O DTLV	50	2831540000

Type	Qty.	Order No.
A2T 4 DT-FT-PE	50	2831530000
A2T 4 DT-FT-PE W/O DTLV	50	2831550000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	1-pole
	stackable
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	
<b>Holder for cartridge fuse 5 x 20 mm</b>	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	35 - 70 V AC/DC, red LED
	60 - 150 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
<b>Disconnect plug</b>	orange
	removable, as replacement for release lever
<b>Module connector (max. 250 V)</b>	
	without fittings
	With 1N4007 diode
	with wire jumper
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4 FS	20	2817060000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 35-70V	25	7921580000
SIHA 3/G20/LD 60-150V	25	7921590000
SIHA 3/G20/LD 140-250V	25	7921600000
TNST OR	20 A 50	2463540000
TNST	20 A 50	1833090000
BEST	50	1833100000
BEST/D	1 A 50	1878560000
BEST/DRBR	22 A 50	1878570000

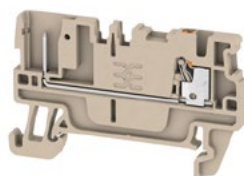
Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4 FS	20	2817060000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 35-70V	25	7921580000
SIHA 3/G20/LD 60-150V	25	7921590000
SIHA 3/G20/LD 140-250V	25	7921600000
TNST OR	20 A 50	2463540000
TNST	20 A 50	1833090000
BEST	50	1833100000
BEST/D	1 A 50	1878560000
BEST/DRBR	22 A 50	1878570000

## Spring connection with PUSH IN technology (A-Series)

### Pluggable terminal blocks

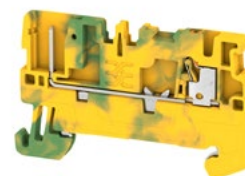
#### APGTB 1.5 FT 2C/1

1.5 mm<sup>2</sup>



#### APGTB 1.5 PE 2C/1

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
<b>17.5 / 1.5</b>	
<b>0.14...1.5</b>	

3.5 x 55 x 33.5	
<b>/ 1.5</b>	
<b>0.14...1.5</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

#### Note

#### Ordering data

Version	
	dark beige
	Blue
	Green/yellow

#### Note

Type	Qty.	Order No.
APGTB 1.5 FT 2C/1	50	2482160000
APGTB 1.5 FT 2C/1 BL	50	2482170000

Type	Qty.	Order No.
APGTB 1.5 PE 2C/1	50	2482220000

#### Accessories

Plug-in cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Plug	
Screwdriver	
	Standard
Marking tags	

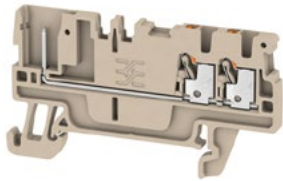
Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2C 1.5	50	1552600000
AEP 2C 1.5 BL	50	1552610000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2C 1.5	50	1552600000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

For detailed information on other accessories and application in the online catalogue

APGTB 1.5 FT 3C/1

1.5 mm<sup>2</sup>



3.5 x 62 x 33.5  
17.5 / 1.5  
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

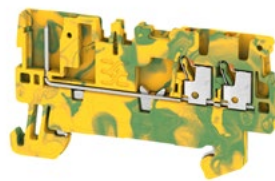
0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 FT 3C/1	50	2482180000
APGTB 1.5 FT 3C/1 BL	50	2482190000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 3C 1.5	50	1552620000
AEP 3C 1.5 BL	50	1552630000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

APGTB 1.5 FT PE 3C/1

1.5 mm<sup>2</sup>



3.5 x 62 x 33.5  
/ 1.5  
0.14...1.5



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 PE 3C/1	50	2482230000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 3C 1.5	50	1552620000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

APGTB 1.5 FT 4C/2

1.5 mm<sup>2</sup>



3.5 x 80 x 33.5  
17.5 / 1.5  
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 FT 4C/2	50	2482200000
APGTB 1.5 FT 4C/2 BL	50	2482210000

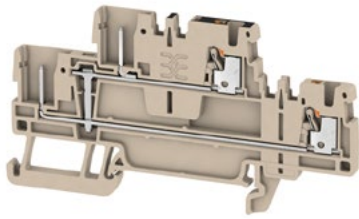
Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP PGTB 1.5 4C/2	50	2482510000
AEP PGTB 1.5 4C/2 BL	50	2482520000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000





APGTB 1.5 2T VL 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
17.5 / 1.5  
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

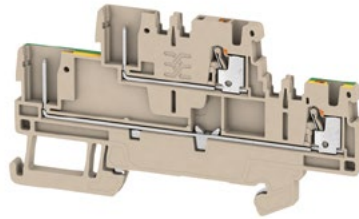
0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

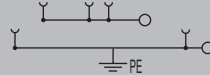
8 / 0.4 x 2.0 mm

APGTB 1.5 2T FT PE 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
17.5 / 1.5  
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

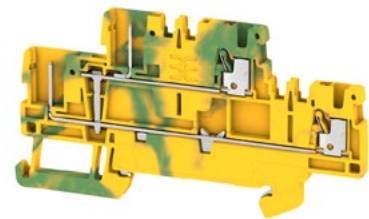
0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

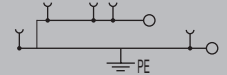
8 / 0.4 x 2.0 mm

APGTB 1.5 2T PE 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
/ 1.5  
0.14...1.5



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	300	300	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
APGTB 1.5 2T VL 4C/2	50	2485920000
APGTB 1.5 2T VL 4C/2 BL	50	2485930000

Type	Qty.	Order No.
APGTB 1.5 2T FT-PE 4C/2	50	2485860000

Type	Qty.	Order No.
APGTB 1.5 2T PE 4C/2	50	2485870000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEP 2T 1.5 BL	20	2471470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
SNAPMARK 1.5	40	2682080000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEP 2T 1.5 BL	20	2471470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
SNAPMARK 1.5	40	2682080000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 1.5/1	17.5 A 50	2482340000
APG 1.5/10	17.5 A 20	2482430000
APG 1.5 MI	17.5 A 50	2482280000
APG 1.5 L	17.5 A 50	2482250000
APG 1.5 R	17.5 A 50	2482310000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
SNAPMARK 1.5	40	2682080000



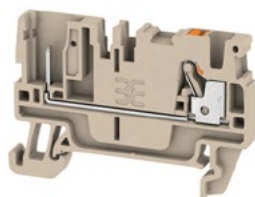
Spring connection with PUSH IN technology (A-Series)  
Pluggable terminal blocks

Universal range

A

APGTB 2.5 FT 2C/1

2.5 mm<sup>2</sup>



APGTB 2.5 PE 2C/1

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 55 x 36.5	
24 / 4	
0.14...4	

5.1 x 54 x 36.5	
/ 4	
0.14...4	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	



Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note
------

Ordering data

Version	
	dark beige
	Blue
	Green/yellow

Note
------

Type	Qty.	Order No.
APGTB 2.5 FT 2C/1	100	1513970000
APGTB 2.5 FT 2C/1 BL	100	1513990000

Type	Qty.	Order No.
APGTB 2.5 PE 2C/1	50	1513870000

Accessories

Plug-in cross-connection	
	2-pole
	10-pole

End plate	
	dark beige
	Blue

End bracket	
	dark beige, screwable
	dark beige, direct mounting

Plug	

Screwdriver	
	Standard

Marking tags	

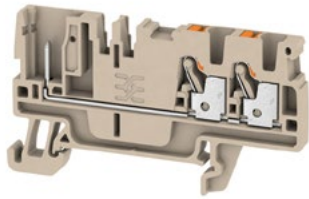
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2C 2.5	50	1514400000
AEP 2C 2.5 BL	50	1514420000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2C 2.5	50	1514400000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue

APGTB 2.5 FT 3C/1

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
24 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

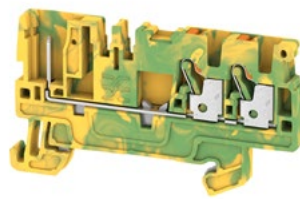


Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

APGTB 2.5 PE 3C/1

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
/ 4  
0.14...4



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

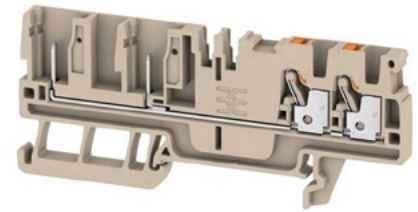


Rated connection

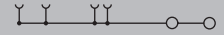
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

APGTB 2.5 FT 4C/2

2.5 mm<sup>2</sup>



5.1 x 87 x 36.5  
24 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 2.5 FT 3C/1	50	1514000000
APGTB 2.5 FT 3C/1 BL	50	1514020000

Type	Qty.	Order No.
APGTB 2.5 PE 3C/1	50	1513890000

Type	Qty.	Order No.
APGTB 2.5 FT 4C/2	50	1514030000
APGTB 2.5 FT 4C/2 BL	50	1514040000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3C 2.5	50	1521510000
AEP 3C 2.5 BL	50	1521520000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 3C 2.5	50	1521510000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP PGTB 2.5 4C/2	50	1514450000
AEP PGTB 2.5 4C/2 BL	50	1514470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000



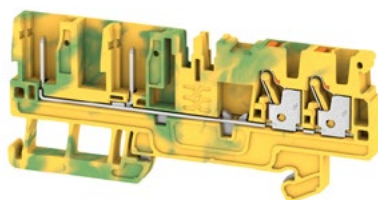
Spring connection with PUSH IN technology (A-Series)  
Pluggable terminal blocks

Universal range

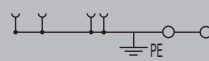
A

APGTB 2.5 PE 4C/2

2.5 mm<sup>2</sup>

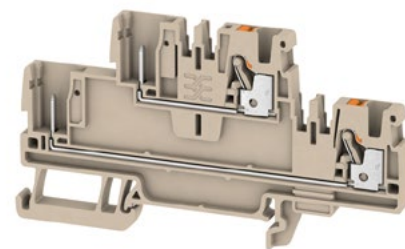


5.1 x 87 x 36.5  
/ 4  
0.14...4

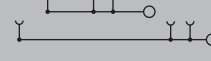


APGTB 2.5 2T 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 4  
0.14...4



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige
	Blue
	Green/yellow

Note

Accessories

Plug-in cross-connection	2-pole
	10-pole
End plate	dark beige
	blue
End bracket	dark beige, screwable
	dark beige, direct mounting
Plug	
Screwdriver	Standard
Marking tags	

For detailed information on other accessories and application in the online catalogue

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		



Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
APGTB 2.5 PE 4C/2	50	1513920000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP PGTB 2.5 4C/2	50	1514450000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		



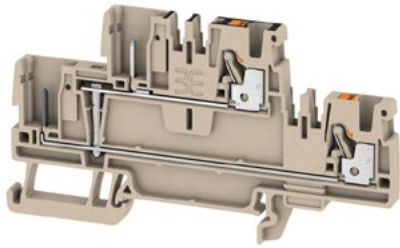
Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
APGTB 2.5 2T 4C/2	50	1548060000
APGTB 2.5 2T 4C/2 BL	50	1548070000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

APGTB 2.5 2T VL 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

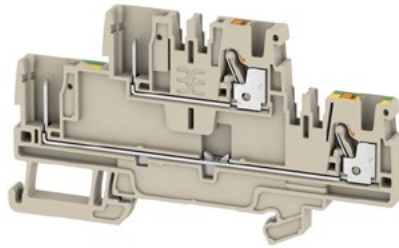


Rated connection

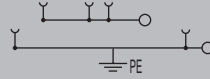
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

APGTB 2.5 2T FT-PE 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

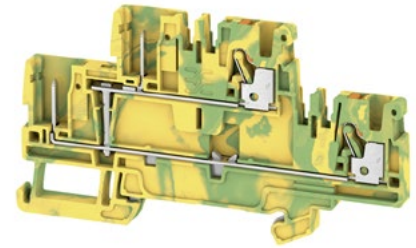


Rated connection

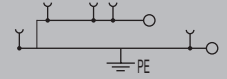
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

APGTB 2.5 2T PE 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
/ 4  
0.14...4



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	1548140000
APGTB 2.5 2T VL 4C/2 BL	50	1548150000

Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	1548130000

Type	Qty.	Order No.
APGTB 2.5 2T PE 4C/2	50	1548160000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEP 2T 2.5 BL	20	1547700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/1	24 A 50	1513720000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

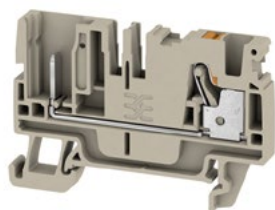
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 2.5/10	24 A 20	1513770000
APG 2.5 L	24 A 50	1513830000
APG 2.5 MI	24 A 50	1513880000
APG 2.5 R	24 A 50	1513940000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

## Spring connection with PUSH IN technology (A-Series)

### Pluggable terminal blocks

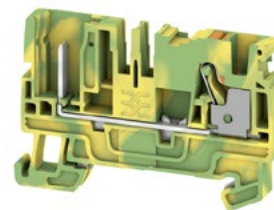
#### APGTB 4 FT 2C/1

4 mm<sup>2</sup>



#### APGTB 4 PE 2C/1

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 59.5 x 39.5	
<b>32 / 6</b>	
<b>0.14...6</b>	

6.1 x 59.5 x 39.5	
<b>/ 6</b>	
<b>0.14...6</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A4 / V-0		

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A4 / V-0		



Rated connection	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	



Rated connection	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

Note
------

#### Ordering data

Version
dark beige
Blue
Green/yellow

Note
------

Type	Qty.	Order No.
APGTB 4 FT 2C/1	100	2540050000
APGTB 4 FT 2C/1 BL	100	2540060000

Type	Qty.	Order No.
APGTB 4 PE 2C/1	50	2540110000

#### Accessories

Plug-in cross-connection	
2-pole	
10-pole	

End plate	
dark beige	
Blue	

End bracket	
dark beige, screwable	
dark beige, direct mounting	

Plug	

Screwdriver	
Standard	

Marking tags	

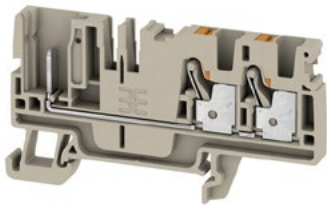
Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2C 4	50	2051680000
AEP 2C 4 BL	50	2051690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2C 4	50	2051680000
AEP 2C 4 BL	50	2051690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

For detailed information on other accessories and application in the online catalogue

APGTB 4 FT 3C/1

4 mm<sup>2</sup>



6.1 x 72 x 39.5  
32 / 6  
0.14...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



**Rated connection**

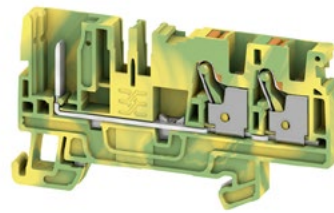
0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

APGTB 4 PE 3C/1

4 mm<sup>2</sup>



6.1 x 72 x 39.5  
/ 6  
0.14...6



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



**Rated connection**

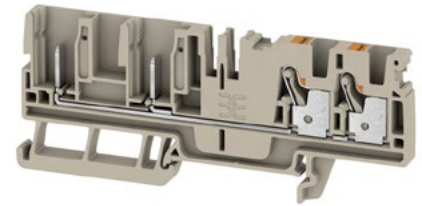
0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

APGTB 4 FT 4C/2

4 mm<sup>2</sup>



6.1 x 98 x 39.5  
32 / 6  
0.14...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



**Rated connection**

0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 4 FT 3C/1	50	2540070000
APGTB 4 FT 3C/1 BL	50	2540080000

Type	Qty.	Order No.
APGTB 4 PE 3C/1	50	2540170000

Type	Qty.	Order No.
APGTB 4 FT 4C/2	50	2540090000
APGTB 4 FT 4C/2 BL	50	2540100000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 3C 4	20	2051720000
AEP 3C 4 BL	20	2051880000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 3C 4	20	2051720000
AEP 3C 4 BL	20	2051880000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP PGTB 4 4C/2	20	2540210000
AEP PGTB 4 4C/2 BL	20	2540280000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000



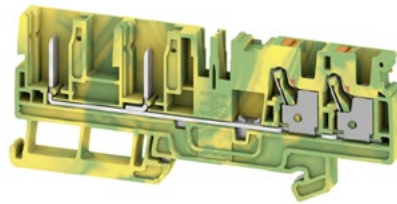
**Spring connection with PUSH IN technology (A-Series)**  
**Pluggable terminal blocks**

Universal range

A

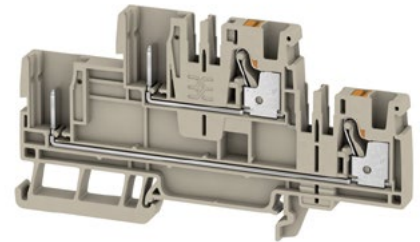
**APGTB 4 PE 4C/2**

**4 mm<sup>2</sup>**



**APGTB 4 2T 4C/2**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 98 x 39.5	
/ 6	
<b>0.14...6</b>	

6.1 x 100 x 53.5	
<b>32 / 6</b>	
<b>0.14...6</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A4 / V-0		

CE cRUus

Rated connection	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A4 / V-0		

CE cRUus

Rated connection	
0.5...4 / 0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
	Green/yellow
<b>Note</b>	

Type	Qty.	Order No.
APGTB 4 PE 4C/2	50	<b>2540180000</b>

Type	Qty.	Order No.
APGTB 4 2T 4C/2	50	<b>2540230000</b>
APGTB 4 2T 4C/2 BL	50	<b>2540250000</b>

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	<b>1527930000</b>
ZQV 4N/10	32 A 20	<b>1528090000</b>
AEP PGTB 4 4C/2	20	<b>2540210000</b>
AEP PGTB 4 4C/2 BL	20	<b>2540280000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
APG 4/1	32 A 50	<b>2540460000</b>
APG 4/10	32 A 20	<b>2540550000</b>
APG 4 MI	32 A 50	<b>2540580000</b>
APG 4 L	32 A 50	<b>2540360000</b>
APG 4 R	32 A 50	<b>2540610000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
WS 10/6 M PLUS MC NE WS	600	<b>2003780000</b>
DEK 5/6 MM WS	600	<b>2007120000</b>
WS 8/6 MM WS	600	<b>2007160000</b>
DEK 5/6 PLUS MC NE WS	1000	<b>1011320000</b>

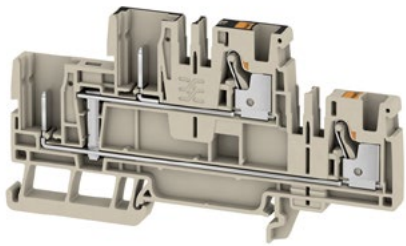
Type	Qty.	Order No.
ZQV 4N/2	32 A 60	<b>1527930000</b>
ZQV 4N/10	32 A 20	<b>1528090000</b>
AEP 2T 4	20	<b>2540000000</b>
AEP 2T 4 BL	20	<b>2540010000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
APG 4/1	32 A 50	<b>2540460000</b>
APG 4/10	32 A 20	<b>2540550000</b>
APG 4 MI	32 A 50	<b>2540580000</b>
APG 4 L	32 A 50	<b>2540360000</b>
APG 4 R	32 A 50	<b>2540610000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
WS 10/6 M PLUS MC NE WS	600	<b>2003780000</b>
DEK 5/6 MM WS	600	<b>2007120000</b>
WS 8/6 MM WS	600	<b>2007160000</b>
DEK 5/6 PLUS MC NE WS	1000	<b>1011320000</b>
SNAPMARK I	50	<b>1805880000</b>

For detailed information on other accessories and application in the online catalogue

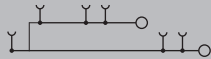


APGTB 4 2T VL 4C/2

4 mm<sup>2</sup>



6.1 x 100 x 53.5  
32 / 6  
0.14...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



Rated connection

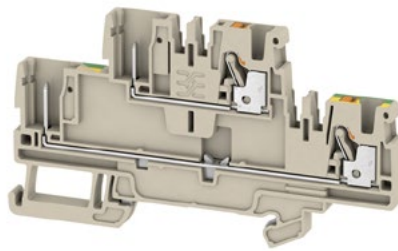
0.5...4 / 0.5...6

0.5...6 / 0.5...4

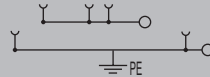
12 / 0.6 x 3.5 mm

APGTB 4 2T FT-PE 4C/2

4 mm<sup>2</sup>



6.1 x 100 x 53.5  
32 / 6  
0.14...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



Rated connection

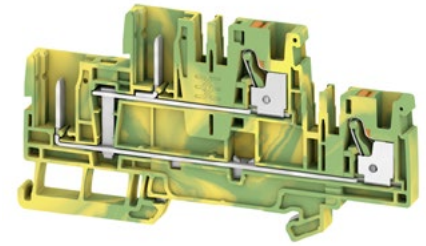
0.5...4 / 0.5...6

0.5...6 / 0.5...4

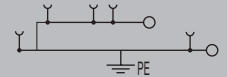
12 / 0.6 x 3.5 mm

APGTB 4 2T PE 4C/2

4 mm<sup>2</sup>



6.1 x 100 x 53.5  
/ 6  
0.14...6



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A4 / V-0			



Rated connection

0.5...4 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
APGTB 4 2T VL 4C/2	50	2540260000
APGTB 4 2T VL 4C/2 BL	50	2540270000

Type	Qty.	Order No.
APGTB 4 2T FT-PE 4C/2	50	2540290000

Type	Qty.	Order No.
APGTB 4 2T PE 4C/2	50	2540300000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4	20	2540000000
AEP 2T 4 BL	20	2540010000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4	20	2540000000
AEP 2T 4 BL	20	2540010000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000
AEP 2T 4	20	2540000000
AEP 2T 4 BL	20	2540010000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
APG 4/1	32 A 50	2540460000
APG 4/10	32 A 20	2540550000
APG 4 MI	32 A 50	2540580000
APG 4 L	32 A 50	2540360000
APG 4 R	32 A 50	2540610000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
SNAPMARK I	50	1805880000



## Spring connection with PUSH IN technology (A-Series) Pluggable terminal blocks

Universal range

A

### APG 1.5...

1.5 mm<sup>2</sup>



### APG 2.5...

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 14 x 31.15  
**17.5 / 1.5**  
**0.14...1.5**

5.1 x 16.5 x 42.5  
**24 / 2.5**  
**0.14...2.5**

#### Technical data

Rated data	
Rated voltage	-
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection	Plug-in connection
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
10 / 0.4 x 2.0 mm	



Rated connection	Plug-in connection
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Note**

#### Ordering data

Version	
1-pole	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
	4-poles/3x beige, 1x green
	3-poles/1xbeige, 1x blue, 1x green
	5-poles/3xbeige, 1x blue, 1x green

Type	Qty.	Order No.
APG 1.5/1	50	2482340000
APG 1.5/2	25	2482350000
APG 1.5/3	25	2482360000
APG 1.5/4	25	2482370000
APG 1.5/5	25	2482380000
APG 1.5/6	25	2482390000
APG 1.5/7	25	2482400000
APG 1.5/8	20	2482410000
APG 1.5/9	20	2482420000
APG 1.5/10	20	2482430000
APG 1.5/3-BG-BL-GN	25	2482460000
APG 1.5/5-3BG-BL-GN	25	2482440000

Type	Qty.	Order No.
APG 2.5/1	50	1513720000
APG 2.5/2	25	1513640000
APG 2.5/3	25	1513650000
APG 2.5/4	25	1513670000
APG 2.5/5	25	1513680000
APG 2.5/6	25	1513690000
APG 2.5/7	25	1513700000
APG 2.5/8	20	1513730000
APG 2.5/9	20	1513740000
APG 2.5/10	20	1513770000
APG 2.5/3-BG-BL-GN	25	1513820000
APG 2.5/5-3BG-BL-GN	25	1513780000

**Note**

#### Accessories

End plate	dark beige
Coding	
Cover	
Interlock	
Strain relief	
Marking tags	

Type	Qty.	Order No.
MVC APG 1.5	50	2485980000
APGCE	50	1514490000
APGPC 1.5	50	2482530000
APGLE 1.5	25	2482720000
APGSR 1.5	25	2482730000
APGSR 1.5 - 4P	25	2482740000
APGSR 1.5 - 8P	25	2482750000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

Type	Qty.	Order No.
MVC APG 2.5	50	2035590000
APGCE	50	1514490000
APGPC 2.5	50	1514500000
APGLE 2.5/4	25	2457570000
APGSR 2.5/4	25	2457580000
APGSR 2.5/4 - 4P	25	2457590000
APGSR 2.5/4 - 8P	25	2457600000
DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 10/5 M MC NE WS	720	1792000000
WS 8/5 MM WS	800	2007150000

For detailed information on other accessories and application in the online catalogue

APG 4...

4 mm<sup>2</sup>



6.1 x 19 x 50.95  
32 / 4  
0.14...4

In accordance with IEC 60947-7-1

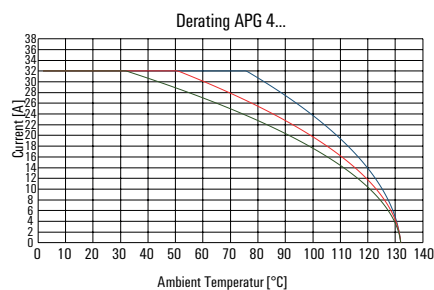
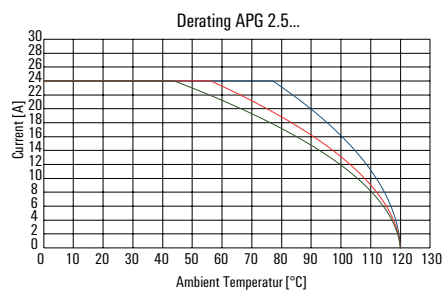
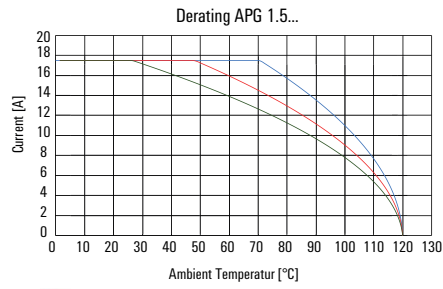
IEC	UL	CSA	EN 60079-7
800	600	600	
32	30	30	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A4 / V-0		



Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
APG 4/1	50	2540460000
APG 4/2	25	2540470000
APG 4/3	25	2540480000
APG 4/4	25	2540490000
APG 4/5	25	2540500000
APG 4/6	25	2540510000
APG 4/7	25	2540520000
APG 4/8	20	2540530000
APG 4/9	20	2540540000
APG 4/10	20	2540550000
APG 4/4-3BG-GN	25	2540440000
APG 4/3-BG-BL-GN	25	2540450000
APG 4/5-3BG-BL-GN	25	2540430000

Type	Qty.	Order No.
MCV APG 4	50	2540800000
APGCE	50	1514490000
APGPC 4	50	2540960000
APGLE 2.5/4	25	2457570000
APGSR 2.5/4	25	2457580000
APGSR 2.5/4 - 4P	25	2457590000
APGSR 2.5/4 - 8P	25	2457600000
WS 10/6 M MC NE WS	600	1818400000
DEK 5/6 MM WS	600	2007120000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 8/6 MM WS	600	2007160000



## Spring connection with PUSH IN technology (A-Series) Pluggable terminal blocks

Universal range

**A**

### APG 1.5...

1.5 mm<sup>2</sup>



### APG 2.5...

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

35 x 14 x 31.15  
**17.5 / 1.5**  
**0.14...1.5**

51 x 42.5 x 16.5  
**24 / 2.5**  
**0.14...2.5**

#### Technical data

Rated data	
Rated voltage	-
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.4 x 2.0 mm	

Rated connection	Plug-in connection
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Note**

#### Ordering data

Version	
	1-pole
	3-poles/2x beige, 1x green
	4-poles/3x beige, 1x green
	5-poles/4x beige, 1x green
	6-poles/5x beige, 1x green
	7-poles/6x beige, 1x green
	8-poles/7x beige, 1x green
	9-poles/8x beige, 1x green

**Note**

Type	Qty.	Order No.
APG 1.5/3-2BG-GN	25	2719740000
APG 1.5/4-3BG-GN	25	2482450000
APG 1.5/5-4BG-GN	25	2719770000
APG 1.5/6-5BG-GN	25	2719780000
APG 1.5/7-6BG-GN	25	2719800000
APG 1.5/8-7BG-GN	20	2719810000
APG 1.5/10-9BG-GN	20	2719830000

Type	Qty.	Order No.
APG 2.5/3-2BG-GN	25	2712740000
APG 2.5/4-3BG-GN	25	1513790000
APG 2.5/5-4BG-GN	25	2712760000
APG 2.5/6-5BG-GN	25	2712770000
APG 2.5/7-6BG-GN	25	2712780000
APG 2.5/8-7BG-GN	20	2712790000
APG 2.5/10-9BG-GN	20	2712810000

#### Accessories

End plate	dark beige
Coding	
Cover	
Interlock	
Strain relief	
Marking tags	

Type	Qty.	Order No.
MCV APG 1.5	50	2485980000
APGCE	50	1514490000
APGPC 1.5	50	2482530000
APGLE 1.5	25	2482720000
APGSR 1.5	25	2482730000
APGSR 1.5 - 4P	25	2482740000
APGSR 1.5 - 8P	25	2482750000

Type	Qty.	Order No.
MCV APG 2.5	50	2035590000
APGCE	50	1514490000
APGPC 2.5	50	1514500000
APGLE 2.5/4	25	2457570000
APGSR 2.5/4	25	2457580000
APGSR 2.5/4 - 4P	25	2457590000
APGSR 2.5/4 - 8P	25	2457600000

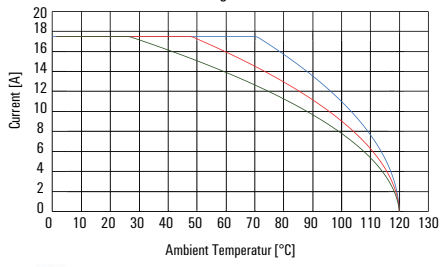
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 10/5 M MC NE WS	720	1792000000
WS 8/5 MM WS	800	2007150000

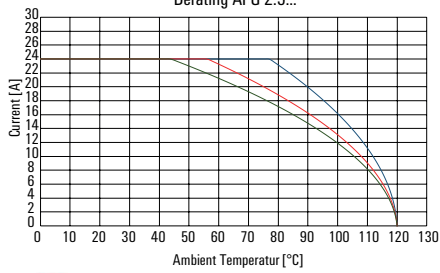
For detailed information on other accessories and application in the online catalogue



Derating APG 1.5...



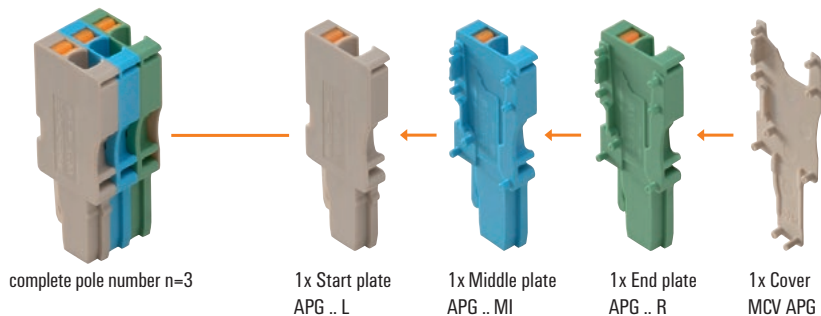
Derating APG 2.5...



## Spring connection with PUSH IN technology (A-Series) Pluggable terminal blocks – Accessories

### Single plates for individual assembly

The individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).



### Plug

- Single plates, plug APG 1.5 L
- Marking option

### APG 1.5



### APG 2.5



### APG 4



Ordering data	
<b>Single plates</b>	
Start plate	
Middle plate	
End plate	
Cover	
<b>Note</b>	

Type	Qty.	Order No.
APG 1.5 L	50	2482250000
APG 1.5 L BL	50	2482260000
APG 1.5 L GN	50	2482270000
APG 1.5 MI	50	2482280000
APG 1.5 MI BL	50	2482290000
APG 1.5 MI GN	50	2482300000
APG 1.5 R	50	2482310000
APG 1.5 R BL	50	2482320000
APG 1.5 R GN	50	2482330000
MCV APG 1.5	50	2485980000

Type	Qty.	Order No.
APG 2.5 L	50	1513830000
APG 2.5 L BL	50	1513840000
APG 2.5 L GN	50	1513850000
APG 2.5 MI	50	1513880000
APG 2.5 MI BL	50	1513900000
APG 2.5 MI GN	50	1513930000
APG 2.5 R	50	1513940000
APG 2.5 R BL	50	1513950000
APG 2.5 R GN	50	1513980000
MCV APG 2.5	50	2035590000

Type	Qty.	Order No.
APG 4 L	50	2540360000
APG 4 L BL	50	2540560000
APG 4 L GN	50	2540570000
APG 4 MI	50	2540580000
APG 4 MI BL	50	2540590000
APG 4 MI GN	50	2540600000
APG 4 R	50	2540610000
APG 4 R BL	50	2540620000
APG 4 R GN	50	2540630000
MCV APG 4	50	2540800000

### Strain relief

- APGSR Strain relief transmits mechanical forces to the plastic housing and protects the contact point

### APGSR

#### Strain reliefs



### Application



Ordering data	
1.5 mm <sup>2</sup>	
1.5 mm <sup>2</sup>	
1.5 mm <sup>2</sup>	
2.5 mm <sup>2</sup> / 4 mm <sup>2</sup>	
2.5 mm <sup>2</sup> / 4 mm <sup>2</sup>	
2.5 mm <sup>2</sup> / 4 mm <sup>2</sup>	
<b>Note</b>	

Type	Qty.	Order No.
APGSR 1.5	25	2482730000
APGSR 1.5 - 4P	25	2482740000
APGSR 1.5 - 8P	25	2482750000
APGSR 2.5/4	25	2457580000
APGSR 2.5/4 - 4P	25	2457590000
APGSR 2.5/4 - 8P	25	2457600000

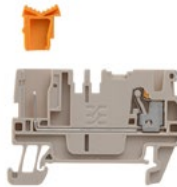
### Protective cover

- APGPC finger guard, also protects the contact point from dirt

Ordering data
1.5 mm <sup>2</sup>
2.5 mm <sup>2</sup>
4.0 mm <sup>2</sup>
Note

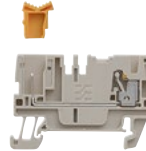
### APGPC

#### Protective cover



Type	Qty.	Order No.
APGPC 1.5	50	2482530000
APGPC 2.5	50	1514500000
APGPC 4	50	2540960000

### Application



### Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data
2.5 mm <sup>2</sup>
Note

### APGCE

#### Coding elements



Type	Qty.	Order No.
APGCE	50	1514490000

### Application



### Locking elements

- APGLE to interlock with the terminal block
- APGLE interlock, plug - socket

Ordering data
1.5 mm <sup>2</sup>
2.5 mm <sup>2</sup> / 4 mm <sup>2</sup>
Note

### APGLE

#### Locking element



Type	Qty.	Order No.
APGLE 1.5	25	2482720000
APGLE 2.5/4	25	2457570000

### Application



# PUSH IN terminal blocks with electronic components

## Klippon® Connect A2T 2.5 EM

In industrial control panels, the smallest electronic components often have to be integrated to protect sensitive electronics, to connect components, to visualise operating states, and much more. Furthermore, maximum flexibility is required for the individual design of circuits.

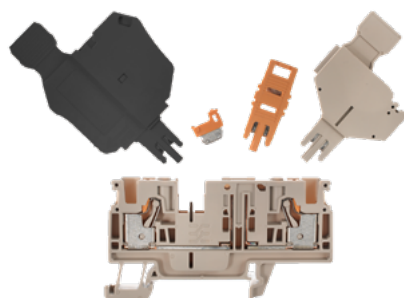
Our terminal blocks with integrated electronic components provide a space-saving way of integrating important functions into circuits. The standard portfolio includes terminals with integrated diodes, resistors, and LEDs. In addition, specific components can be selected and soldered into the terminal body. This allows Klippon® Connect terminals with PUSH IN technology to be used extremely flexibly for a wide range of switching tasks.

### Your special advantages:

- Maximum flexibility due to designs with and without integrated electronic components
- Highest security for components against voltage peaks and overvoltage
- Individual application possibilities thanks to numerous contact points for the integration of customer-specific electronic components
- Thanks to the contour uniformity, a combination with standard double level terminal blocks is possible

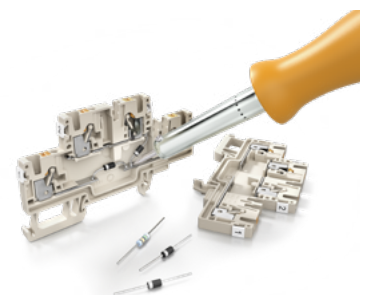
### Alternative product solutions

The multifunctional disconnection areas allow the insertion of fuse holders (SIHA) or component plugs (BEST). This allows test-disconnect terminals to be converted to fuse terminals or to terminal blocks with electronic components.

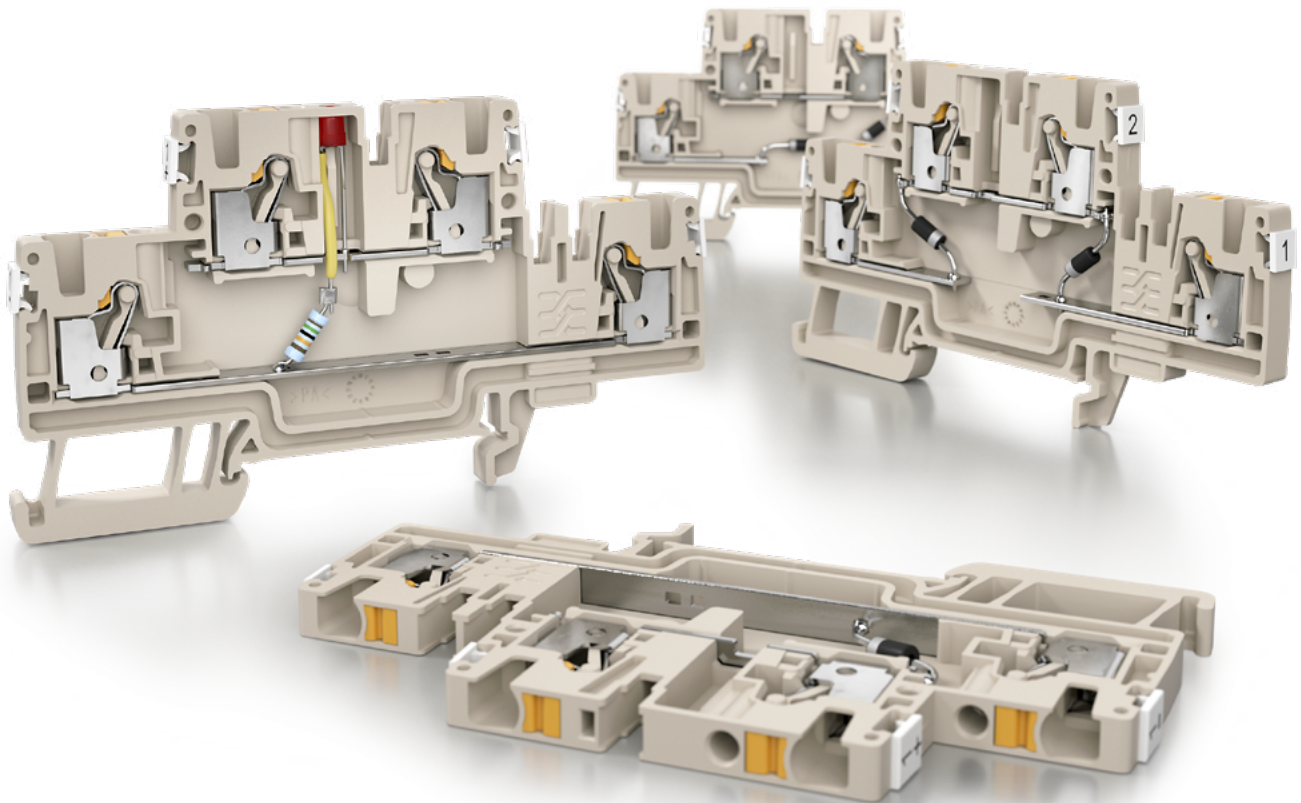


### Individual application possibilities

Electronic components can be integrated into the different versions of the basic modular terminal block in accordance with the specific application. Numerous, easily accessible contact points allow the components to be soldered in.





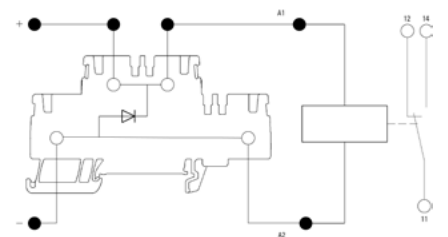


**Flexible control cabinet integration**

The design of the A2T 2.5 EM has the same contours as the standard double-level terminals of the A-series. Accessories such as the end plate can be adopted and potentials can be multiplied via the cross-connection channel.

**Maximum protection of components**

Integrated blocking diodes protect components against reverse currents or resistances. Voltage peaks or overvoltages can thus be effectively counteracted.

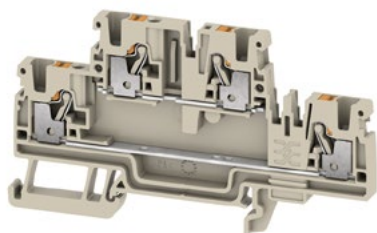


## Spring connection with PUSH IN technology (A-Series)

### Terminal blocks with electronic components

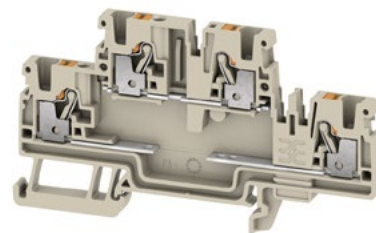
#### A2T 2.5 EM1 D/0

2.5 mm<sup>2</sup>



#### A2T 2.5 EM2 D/0

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 90 x 50.5	
<b>0.5 / 4</b>	
<b>0.14...4</b>	

5.1 x 90 x 50.5	
<b>0.5 / 4</b>	
<b>0.14...4</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Component 1	
Approvals	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
10	10		
2.5	AWG 28...12		
	/ 3		
	A3 / V-0		

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
10	10		
2.5	AWG 28...12		
	/ 3		
	A3 / V-0		

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-



#### Rated connection

0.5...2.5 / 0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm



#### Rated connection

0.5...2.5 / 0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

#### Component diode

Type diode	
Forward current	
Reverse voltage	
Forward voltage	

#### Component LED

Colour	
Voltage, min.	
Voltage, max.	
Current	

#### Component resistor

Resistance	
Power loss	
Tolerance (%)	

#### Note

#### Ordering data

Version	
dark beige, 1 A diode	
dark beige, 3 A diode	
End plate	

#### Note

Type	Qty.	Order No.
A2T 2.5 EM1 D/0	50	2704330000

Type	Qty.	Order No.
A2T 2.5 EM2 D/0	50	2704360000

#### Accessories

Plug-in cross-connection	
2-pole	
10-pole	

#### End plate

dark beige	
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#### End bracket

dark beige, screwable	
dark beige, direct mounting	

#### Test plug

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#### Screwdriver

Standard	
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#### Marking tags


Type	Qty.	Order No.
ZQV 2.5N/2	24 A	60 1527540000
ZQV 2.5N/10	24 A	20 1527690000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A	60 1527540000
ZQV 2.5N/10	24 A	20 1527690000

AEP 2T 2.5	20	1547690000
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AEP 2T 2.5	20	1547690000
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AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000

PS 2.0 MC	20	0310000000
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PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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SDIL 0,6X3,5X100	1	2749140000
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DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

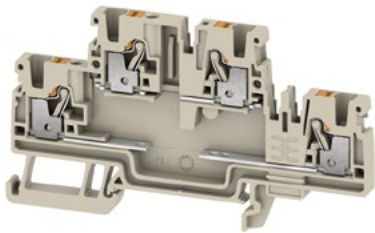
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

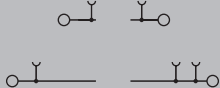
For detailed information on other accessories and application in the online catalogue

A2T 2.5 EM3 D/0

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
0.5 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
	10		
2.5	AWG 28...12		
	/ 3		
	A3 / V-0		

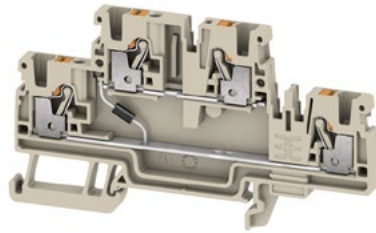


Rated connection

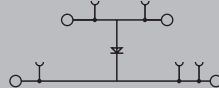
0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

A2T 2.5 EM1 D/1

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
0.5 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	24	24	
0.5	1	1	
2.5	AWG 28...12	AWG 28...12	
	/ 3		
	A3 / V-0		
	1 N 4007 /		



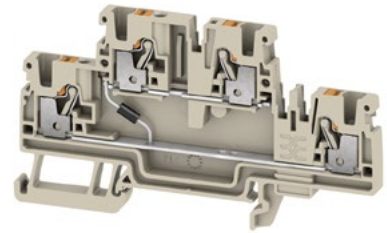
Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

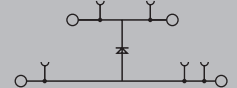
1N4007  
1A  
1300V  
0.7V

A2T 2.5 EM1 D/2

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
0.5 / 4  
0.14...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	24	24	
0.5	1	1	
2.5	AWG 28...12	AWG 28...12	
	/ 3		
	A3 / V-0		
	1 N 4007 /		



Rated connection

0.5...2.5 / 0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

1N4007  
1A  
1300V  
0.7V

Type	Qty.	Order No.
A2T 2.5 EM3 D/0	50	2704340000

Type	Qty.	Order No.
A2T 2.5 EM1 D/1	50	2704370000
A2T 2.5 EM1 D3/1	50	2820630000

Type	Qty.	Order No.
A2T 2.5 EM1 D/2	50	2704380000
A2T 2.5 EM1 D3/2	50	2820640000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000



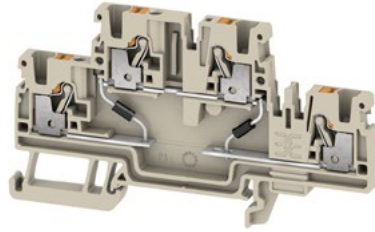
**Spring connection with PUSH IN technology (A-Series)**  
**Terminal blocks with electronic components**

Universal range

A

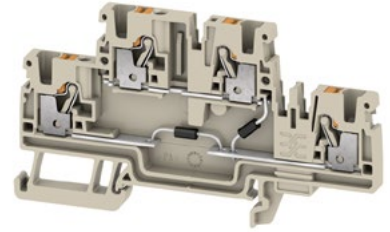
**A2T 2.5 EM2 D/5**

**2.5 mm<sup>2</sup>**



**A2T 2.5 EM2 D/6**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 90 x 50.5	
<b>0.5 / 4</b>	
<b>0.14...4</b>	

5.1 x 90 x 50.5	
<b>0.5 / 4</b>	
<b>0.14...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Component 1	
Approvals	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	24	24	
0.5	1	1	
2.5	AWG 28...12	AWG 28...12	
/ 3			
A3 / V-0			
1 N 4007 /			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	24	24	
0.5	1	1	
2.5	AWG 28...12	AWG 28...12	
/ 3			
A3 / V-0			
1 N 4007 /			

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

<b>Rated connection</b>	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

<b>Rated connection</b>	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

<b>Component diode</b>	
Type diode	
Forward current	
Reverse voltage	
Forward voltage	

1N4007	
1A	
1300V	
0.7V	

1N4007	
1A	
1300V	
0.7V	

<b>Component LED</b>	
Colour	
Voltage, min.	
Voltage, max.	
Current	
<b>Component resistor</b>	
Resistance	
Power loss	
Tolerance (%)	



<b>Note</b>	
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**Ordering data**

<b>Version</b>	
	dark beige, 1 A diode
	dark beige, 3 A diode
	End plate
<b>Note</b>	

Type	Qty.	Order No.
A2T 2.5 EM2 D/5	50	2704390000

Type	Qty.	Order No.
A2T 2.5 EM2 D/6	50	2704400000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige, screwable
	dark beige, direct mounting
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2T 2.5	20	1547690000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
SNAPMARK I	50	1805880000

For detailed information on other accessories and application in the online catalogue



# Efficient assembly of terminal blocks

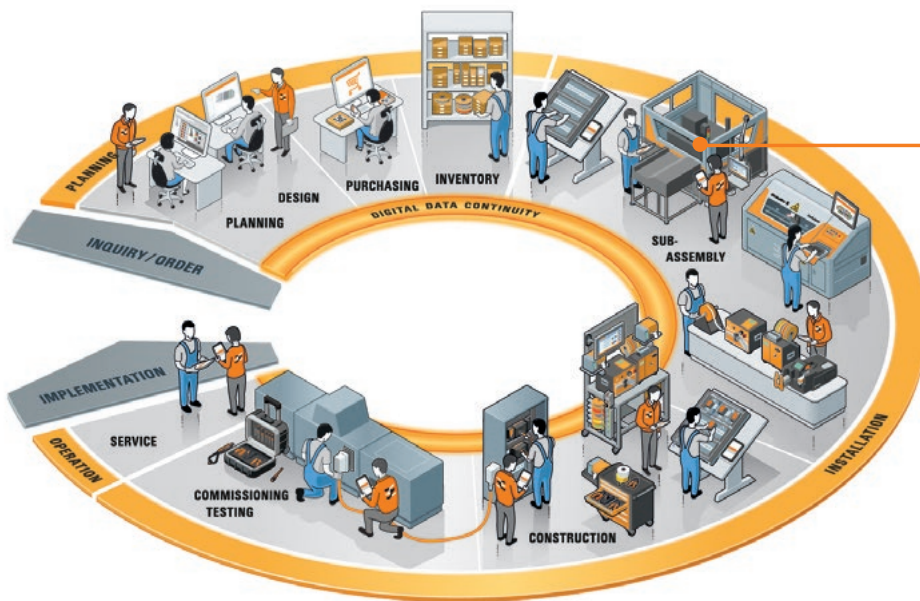
## Klippon® Automated RailAssembler – effective time saving in control cabinet building

Value-added processes must be faster, more precise and more economical, especially in times of full order books and a growing lack of specialists. This particular applies to control cabinet construction. Digitalisation and automation are important factors for increasing efficiency.

The Klippon® Automated RailAssembler, in combination with the Weidmüller Configurator (WMC) software, enables the fully automatic assembly of terminal blocks. By using the automated system the commissioning, allocation and positioning of individual terminals is no longer necessary. Time savings of up to 60% can be achieved during the assembly process - and even more when considering the unmanned operation of up to 7 hours.

### Special features:

- Up to 60 % time saving in terminal block assembly (or significantly more considering the unmanned operation of up to 7 hours)
- Avoidance of incorrect assembly thanks to data consistency between eCAD programs and Weidmüller Configurator (WMC)
- Easy handling due to universal magazines



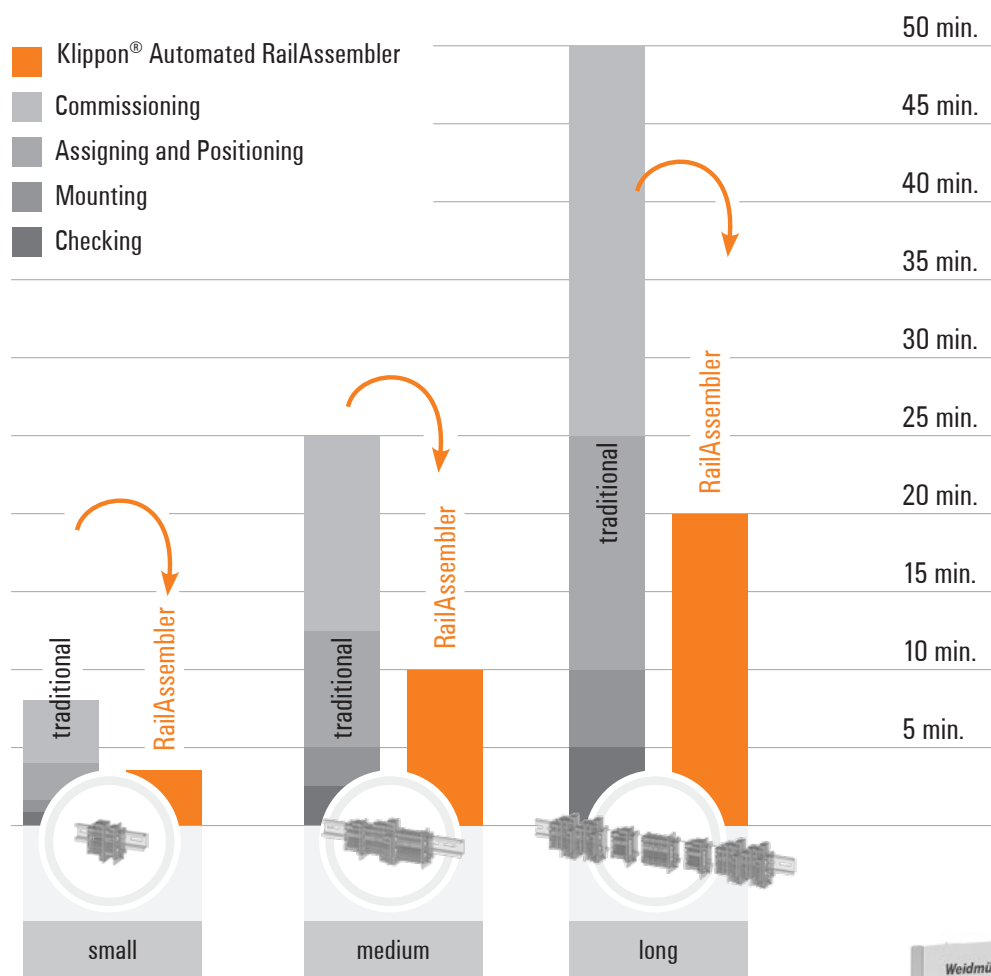
With Weidmüller, you have a powerful partner at your side who supports you with optimally coordinated solutions for your workshop in all phases. Based on many years of practical experience in all aspects of control cabinet construction, we offer you a comprehensive portfolio with which you can effectively accelerate your processes and increase your quality.

Discover your optimisation potential now:  
[www.weidmueller.com/workplace](http://www.weidmueller.com/workplace)

Time savings up to  
**60%\***

\* or significantly more considering the unmanned operation

With the Klippon® Automated RailAssembler the commissioning, assigning and positioning, snapping on and inspecting the individual terminal blocks are obsolete.



# Your advantage through innovative technologies

## The cost-effective system for fully automated terminal block assembly



### Maximum flexibility

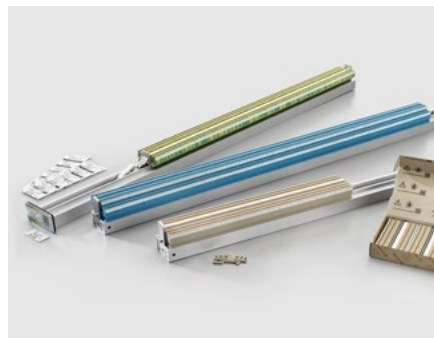
The universal magazines can be loaded with various components due to its universal design. Hereby maximum flexibility in operation is guaranteed. The machine has a total of 48 magazine positions for components as well as 20 positions for pre cut mounting rails.

### Reliable quality

A continuous use of planning data from eCAD programs is possible through the Weidmüller Configurator (WMC). Due to the omission of the manual production steps, error potentials are minimized.

### Contour robust gripper

Due to the adaptive gripper even complex component geometries can be handled robustly. Thus, the application range of the machine is maximized.



### Optimized handling

Due to the generous storage capacity of the magazines filling processes are reduced to a minimum while also avoiding open quantities. Furthermore, the magazines already enable a fixed hold of individual components during the loading procedure. Consequently, the components cannot fall over on the magazine.

### Matching assortment

Based on the Weidmüller standard markers a suitable portfolio of the Klippon® Connect A-Series with pre-assembled markers is available. In combination with the Klippon® Automated RailLaser for fully automatic marking, the full optimization potential can be reached.

### Consistent transparency

The consistent software support during all work steps assists the operator and ensuring transparency on the order status.



Perfect for  
**200.000**  
terminal blocks  
per year



### Technical data

Supply voltage	400V AC / 16 A / 3.25 kW
Dimensions machine (W × H × D)	2400 x 2100 x 2100 mm
Dimensions output platform (W × H × D)	2100 x 1400 x 1250 mm
Installation area (W × D)	5700 x 5700 mm
Weight	2200 + 200 kg output platform
Interfaces	USB, Ethernet
Software	Weidmüller Configurator WMC
Mounting rail length	100 -1200 mm
Component magazine positions	48
Mounting rail magazine positions	20
Compressed air supply	6 bar / 1m³/h

### Ordering data

Type	Order No.
RAILASSEMBLER	2738690000

More technical details and further labelling systems can be found at our website.

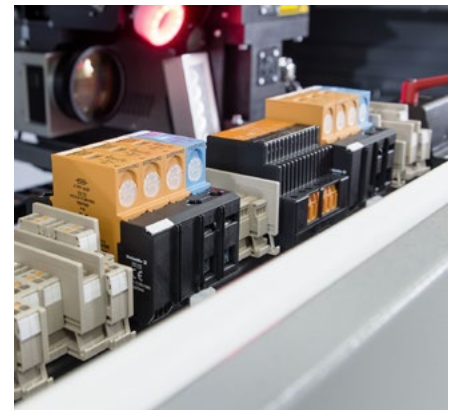
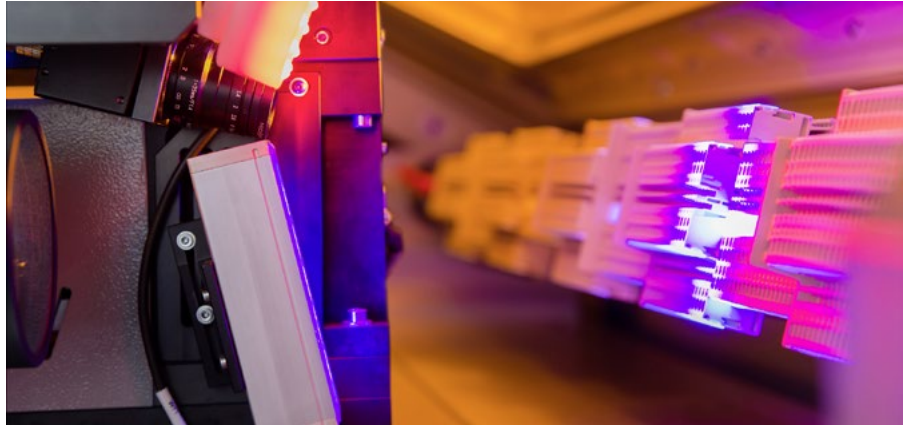


# The perfect complement for our Klippon® Automated RailAssembler Klippon® Automated RailLaser



The core of the Klippon® Automated RailLaser is an image processing system that is used to measure the terminal strips before the marking process. It determines the actual position of each marker, compares it with the theoretical position from the digital model and carries out the corresponding corrections fully automatically. This ensures a perfect marking result even in case of position deviations – e.g. because of thermal expansion of the components or inaccurate clamp position due to manual assembly.

The following illustrations show the advantage of labelling using the image processing system of the Klippon® Automated RailLaser: The system ensures first-class marking results in various applications and guarantees a high-quality appearance of the terminal strip in the finished control cabinet.



Matching assortment

Reliable quality



### Ordering data

Type	Order No.
RAILLASER	2705010000

More technical details and further labelling systems can be found in our online catalogue.



# The perfect complement for our Klippon® Automated RailLaser

## Klippon® Connect A-Series

In addition to the marking process, equipping the terminal blocks with markers is also very time-consuming.

That is why we already carried out this step for you. Use our Weidmüller standard markers, which are pre-equipped with Klippon® Connect A-Series terminal blocks. You benefit from the full optimisation potential of the Klippon® Automated RailLaser.

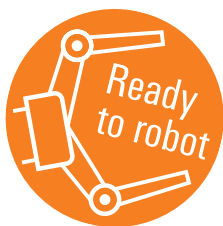
Our Klippon® Connect A-Series has been designed to be ready-to-robot. Special features such as the gripper-optimised outer contours ensure safe handling with a robot.



Markers can be easily replaced



In addition, customers can also mount the markers themselves



### Feed-through terminal blocks

Type	Qty.	Order No.
A2C 1.5 DL	100	2674590000
A3C 1.5 DL BL	50	2674640000
A3C 1.5 DL	50	2674630000
A2C 1.5 DL BL	100	2674600000
A4C 1.5 DL	100	2674660000
A4C 1.5 DL BL	100	2674670000
A2C 2.5 DL	100	2674690000
A2C 2.5 DL BL	100	2674700000
A2C 2.5 DL OR	100	2799150000
A3C 2.5 DL	100	2674720000
A3C 2.5 DL BL	100	2674730000
A4C 2.5 DL	100	2674750000
A4C 2.5 DL BL	100	2674760000
A4C 2.5 DL OR	100	2799160000
A2C 4 DL	100	2674780000
A2C 4 DL BL	100	2674790000
A2C 4 DL OR	100	2799170000
A3C 4 DL	50	2674810000
A3C 4 DL BL	50	2674820000

### Feed-through terminal blocks

Type	Qty.	Order No.
A4C 4 DL	50	2674840000
A4C 4 DL BL	50	2674850000
A4C 4 DL OR	50	2799180000
A2C 6 DL	50	2674870000
A2C 6 DL BL	50	2674880000
A3C 6 DL	50	2674900000
A3C 6 DL BL	50	2674920000
A2C 6 DL OR	50	2799190000
A4C 6 DL	50	2881500000
A4C 6 DL BL	50	2881510000
A4C 6 DL OR	50	2881520000
A4C 6 DL FE	50	2881530000
A2C 10 DL	100	2674940000
A2C 10 DL BL	25	2674950000
A3C 10 DL	25	2674970000
A3C 10 DL BL	25	2674980000
A2C 16 DL	20	2675000000
A2C 16 DL BL	20	2675010000
A3C 16 DL	20	2675030000

### Feed-through terminal blocks

Type	Qty.	Order No.
A3C 16 DL BL	20	2675040000
A2C 35 DL	10	2742060000
A2C 35 DL BL	10	2755890000
A2C 35 FE DL	10	2742070000
A2C 50/70 DL	5	2742090000
A2C 50/70 DL BL	5	2755900000
A2C 50/70 FE DL	5	2742100000
A2C 95/120 DL	5	2742120000
A2C 95/120 DL BL	5	2755910000
A2C 95/120 FE DL	5	2742130000
A2T 1.5 DL	50	2675060000
A2T 1.5 DL BL	50	2675070000
A2T 1.5 FT-PE DL	50	2675080000
A2T 1.5 VL DL	50	2675090000
A2T 2.5 DL	50	2675110000
A2T 2.5 DL BL	50	2675120000
A2T 2.5 FT-PE DL	50	2675130000
A2T 2.5 VL DL	50	2675140000
A2T 2.5 VL DL BL	50	2815620000

## Spring connection with PUSH IN technology (A-Series)

### Terminal blocks with integrated markers

#### Feed-through terminal blocks

Type	Qty.	Order No.
A2T 4 DL	50	2675160000
A2T 4 DL BL	50	2675170000
A2T 4 FT-PE DL	50	2675180000
A2T 4 VL DL	50	2675190000
A3T 1.5 DL	50	2856200000
A3T 1.5 BL DL	50	2856210000
A3T 1.5 VL DL	50	2856220000
A3T 1.5 FT-FT-PE DL	50	2856230000
A3T 2.5 DL	50	2771890000
A3T 2.5 VL DL	25	2735510000
A3T 2.5 FT-FT-PE DL	50	2757430000
AMC 2.5 800V DL	50	2742050000
AMC 2.5 DL	50	2742040000
Availability on request		

#### PE terminal blocks

Type	Qty.	Order No.
A2C 1.5 PE DL	50	2674610000
A3C 1.5 PE DL	50	2674650000
A4C 1.5 PE DL	50	2674680000
A2C 2.5 PE DL	50	2674710000
A3C 2.5 PE DL	50	2674740000
A4C 2.5 PE DL	50	2674770000
A2C 4 PE DL	50	2674800000
A3C 4 PE DL	50	2674830000
A4C 4 PE DL	50	2674860000
A2C 6 PE DL	50	2674890000
A3C 6 PE DL	50	2674930000
A4C 6 PE DL	50	2881540000
A2C 10 PE DL	50	2674960000
A3C 10 PE DL	25	2674990000
A2C 16 PE DL	20	2675020000
A3C 16 PE DL	20	2675050000
A2C 35 PE DL	10	2735950000
A2C 50/70 PE DL	5	2742110000
A2C 95/120 PE DL	5	2742140000
A2T 1.5 PE DL	50	2675100000
A2T 2.5 PE DL	50	2675150000
A2T 4 PE DL	50	2675200000
A3T 1.5 PE DL	50	2856240000
Availability on request		

#### Test-disconnect and fuse terminal blocks

Type	Qty.	Order No.
ADT 2.5 2C DL	50	2675210000
ADT 2.5 2C DL BL	50	2675220000
ADT 2.5 4C DL	50	2675230000
ADT 4 2C DL	50	2675240000
AFS 4 2C DL BK	50	2675250000
AFS 4 2C 10-36V DL BK	50	2675260000
AFS 4 2C 100-250V DL BK	50	2675290000
AFS 4 2C 30-70V DL BK	50	2675270000
AFS 4 2C 60-150V DL BK	50	2675280000
Availability on request		

#### Pluggable terminal blocks

Type	Qty.	Order No.
APGTB 1.5 FT 2C/1 DL	50	2675680000
APGTB 1.5 FT 2C/1 DL BL	50	2675690000
APGTB 1.5 PE 2C/1 DL	50	2675700000
APGTB 1.5 FT 3C/1 DL	50	2675710000
APGTB 1.5 FT 3C/1 DL BL	50	2675720000
APGTB 1.5 PE 3C/1 DL	50	2675730000
APGTB 1.5 FT 4C/2 DL	50	2675740000
APGTB 1.5 FT 4C/2 DL BL	50	2675750000
APGTB 1.5 PE 4C/2 DL	50	2675760000
APGTB 2.5 FT 2C/1 DL	100	2675820000

#### Pluggable terminal blocks

Type	Qty.	Order No.
APGTB 2.5 FT 2C/1 DL BL	100	2675830000
APGTB 2.5 PE 2C/1 DL	50	2675840000
APGTB 2.5 FT 3C/1 DL	50	2675850000
APGTB 2.5 FT 3C/1 DL BL	50	2675860000
APGTB 2.5 PE 3C/1 DL	50	2675870000
APGTB 2.5 FT 4C/2 DL	50	2675880000
APGTB 2.5 FT 4C/2 DL BL	50	2675890000
APGTB 2.5 PE 4C/2 DL	50	2675900000
APGTB 4 FT 2C/1 DL	100	2675960000
APGTB 4 FT 2C/1 DL BL	100	2675970000
APGTB 4 FT 3C/1 DL	50	2675980000
APGTB 4 FT 3C/1 DL BL	50	2675990000
APGTB 4 PE 3C/1 DL	50	2676010000
APGTB 4 FT 4C/2 DL	50	2676020000
APGTB 4 FT 4C/2 DL BL	50	2676030000
APGTB 4 PE 4C/2 DL	50	2676040000
APGTB 1.5 2T 4C/2 DL	50	2675770000
APGTB 1.5 2T 4C/2 DL BL	50	2675780000
APGTB 1.5 2T FT-PE 4C/2 DL	50	2675790000
APGTB 1.5 2T VL 4C/2 DL	50	2675810000
APGTB 1.5 2T PE 4C/2 DL	50	2675800000
APGTB 1.5 2T 2C/1 DL	50	2675910000
APGTB 2.5 2T 4C/2 DL BL	50	2675920000
APGTB 2.5 2T FT-PE 4C/2 DL	50	2675930000
APGTB 2.5 2T VL 4C/2 DL	50	2675950000
APGTB 2.5 2T PE 4C/2 DL	50	2675940000
APGTB 4 2T 4C/2 DL	50	2676050000
APGTB 4 2T 4C/2 DL BL	50	2676060000
APGTB 4 2T FT-PE 4C/2 DL	50	2676070000
APGTB 4 2T VL 4C/2 DL	50	2676090000
APGTB 4 2T PE 4C/2 DL	50	2676080000
Availability on request		

#### Signal wiring terminal blocks

Type	Qty.	Order No.
AIO21 1.5 SI DL	100	2675580000
AIO21 1.5 SI DL OR	100	2675630000
AIO21 1.5 SO DL	100	2675590000
AIO21 1.5 SO DL OR	100	2675640000
AIO21 1.5 SO-PE DL	100	2675600000
AIO21 1.5 SO-PE DL OR	100	2675650000
AIO22 1.5 SI-PE DL	100	2675610000
AIO22 1.5 SI-PE DL OR	100	2675660000
AIO23 1.5 2SI DL	100	2675620000
AIO23 1.5 2SI DL OR	50	2675670000
Availability on request		

#### Control voltage distribution

Type	Qty.	Order No.
AAP11 6 LO DL RD	20	2675300000
AAP11 6 LO DL BL	20	2675320000
AAP11 6 LO DL OR	20	2675310000
AAP11 6 LO DL BL/OR	20	2675330000
AAP11 6/1.5 LO-LI DL RD	20	2675390000
AAP11 6/1.5 LO-LI DL BL	20	2675380000
AAP11 6/1.5 LO-LI DL OR	20	2675400000
AAP11 6/1.5 LO-LI DL BL/OR	20	2675410000
AAP11 1.5 LI DL RD	50	2675340000
AAP11 1.5 LI DL BL	50	2675360000
AAP11 1.5 LI DL OR	50	2675350000
AAP11 1.5 LI DL BL/OR	50	2675370000
AAP12 10 LO DL RD	20	2675420000
AAP12 10 LO DL BL	20	2675440000
AAP12 10 LO DL OR	20	2675430000
AAP12 10 LO DL BL/OR	20	2675450000
AAP12 10/2.5 LO-LI DL RD	20	2675500000
AAP12 10/2.5 LO-LI DL BL	20	2675530000

#### Control voltage distribution

Type	Qty.	Order No.
AAP12 10/2.5 LO-LI DL OR	20	2675510000
AAP12 10/2.5 LO-LI DL BL/OR	20	2675520000
AAP12 10/4X2.5 PE-LI DL	20	2742080000
AAP12 2.5 LI DL RD	50	2675460000
AAP12 2.5 LI DL BL	50	2675490000
AAP12 2.5 LI DL OR	50	2675470000
AAP12 2.5 LI DL BL/OR	50	2675480000
AAP13 6 LO-LO DL	20	2675540000
AAP13 1.5 LI-LI DL	50	2675550000
AAP14 10 LO-LO DL	20	2675560000
AAP14 2.5 LI-LI DL	50	2675570000
Availability on request		

#### Terminal blocks with SNAP IN technology

Type	Qty.	Order No.
AS2C 2.5 DL	100	2862960000
AS3C 2.5 DL	100	2862970000
AS4C 2.5 DL	100	2862980000
AS2C 2.5 DL BL	100	2862990000
AS3C 2.5 DL BL	100	2863000000
AS4C 2.5 DL BL	100	2863010000
AS2C 2.5 PE DL	100	2863020000
AS3C 2.5 PE DL	100	2863030000
AS4C 2.5 PE DL	100	2863040000
S2C 4 DL	100	2874910000
S3C 4 DL	50	2874920000
S4C 4 DL	50	2874930000
S2C 4 DL BL	50	2874940000
S3C 4 DL BL	50	2874950000
S4C 4 DL BL	50	2874960000
S2C 4 PE DL	50	2874970000
S3C 4 PE DL	50	2874980000
S4C 4 PE DL	50	2874990000
S2T 2.5 DL	50	2902470000
S2T 2.5 DL BL	50	2902480000
S2T 2.5 FT-PE DL	50	2902490000
S2T 2.5 VL DL	50	2902500000
S2T 2.5 VL DL BL	50	2902510000
S2T 2.5 PE DL	50	2902520000
Availability on request		

#### Hybride terminal blocks

Type	Qty.	Order No.
AWPD 35 4X10 DL	20	2798140000
AWPD 35 4X6/6X2.5 DL	20	2798150000
Availability on request		

#### Terminal blocks for instrument transformer wiring

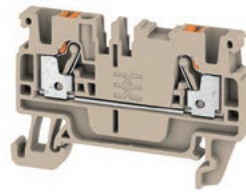
Type	Qty.	Order No.
ATTB 6 DL	50	2792420000
ATTB 6 PE DL	50	2792430000
WTTB 6 DL	50	2792440000
WTTB 6 PE DL	50	2792450000
HTTB 6 DL	50	2792460000
HTTB 6 PE DL	50	2792470000
Availability on request		

#### End brackets

Type	Qty.	Order No.
AEB 35 SCL/1 VO DL	50	2570240000
AEB 35 SCL/1 VO GY DL	50	2570260000
AEB 35 SCL/1 VO BK DL	50	2570250000
AEB 35 SCL/1 VO TGY DL	20	2817770000
Availability on request		

**A2C 2.5**

2.5 mm<sup>2</sup>

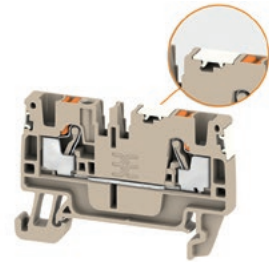


5.1 x 55 x 36.5  
24 / 4  
0.14...4



**A2C 2.5 DL**

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
24 / 4  
0.14...4



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	Blue

**Note**

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
	Standard
Screwdriver	
	Standard
Marking tags	

For detailed information on other accessories and application in the online catalogue

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
A2C 2.5	100	1521850000
A2C 2.5 BL	100	1521880000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2C 2.5	50	1514400000
AEP 2C 2.5 BL	50	1514420000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

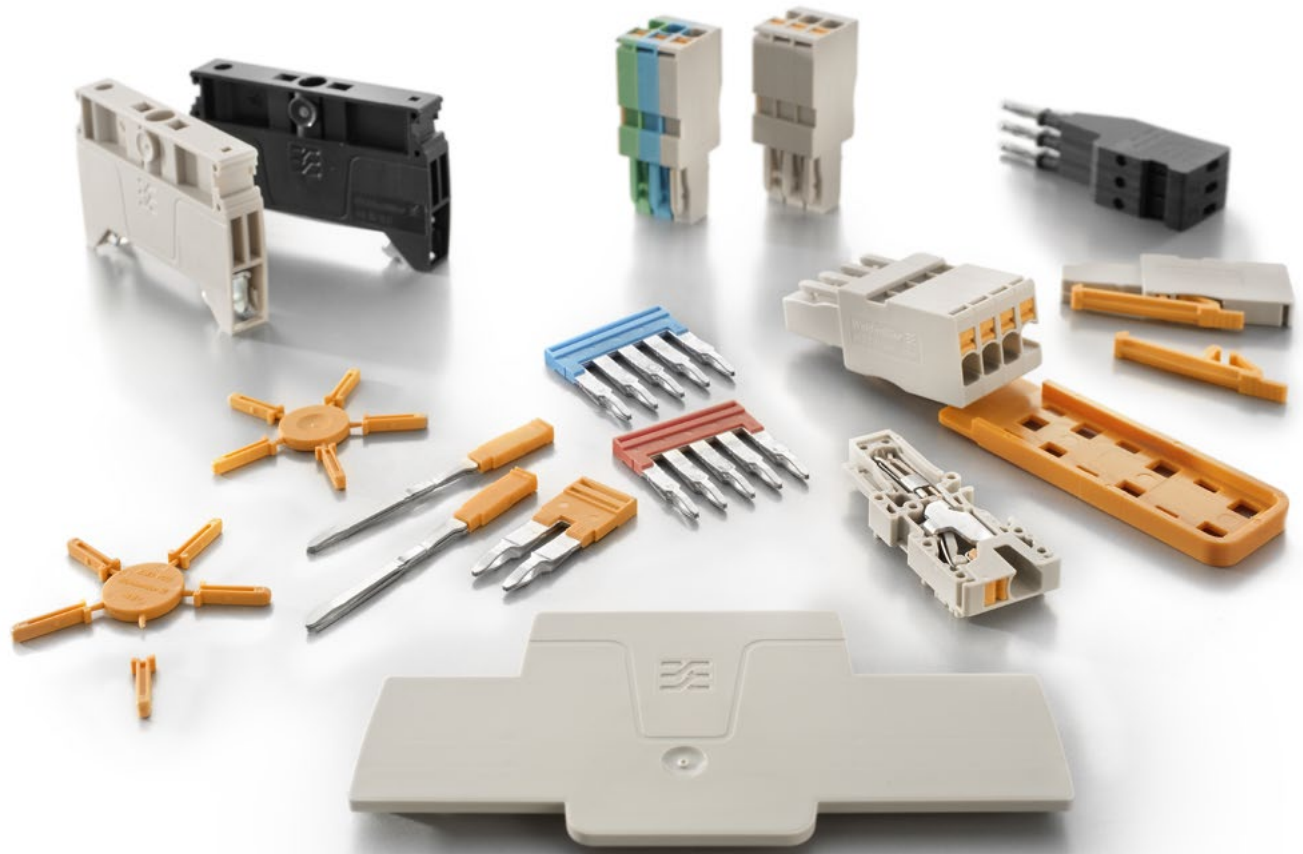


Rated connection	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
A2C 2.5 DL	100	2674690000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
AEP 2C 2.5	50	1514400000
AEP 2C 2.5 BL	50	1514420000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 M-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000





Integrated partition plate

APP1



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige

Type	VPE	Order No.
APP 1	50	2488970000

A2C 1.5	1552790000
A2C 1.5 PE	1552680000
APGTB 1.5 FT 2C/1	2482160000
APGTB 1.5 PE 2C/1	2482220000
A2C 2.5	1521850000
A2C 2.5 PE	1521680000
APGTB 2.5 FT 2C/1	1513970000
APGTB 2.5 PE 2C/1	1513870000

matching terminals

APP2



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige

Type	Qty.	Order No.
APP 2	50	2489090000

A3C 1.5	1552740000
A3C 1.5 PE	1552670000
A4C 1.5	1552690000
A4C 1.5 PE	1552660000
APGTB 1.5 FT 3C/1	2482180000
APGTB 1.5 PE 3C/1	2482230000
ADT 2.5 2C	1989800000
A2C 2.5 /DT/FS	1989900000
A2C 2.5 PE /DT/FS	1989890000
A3C 2.5	1521740000
A3C 2.5 PE	1521670000
A4C 2.5	1521690000
A4C 2.5 PE	1521540000
APGTB 2.5 FT 3C/1	1514000000
APGTB 2.5 PE 3C/1	1513890000
AFS 2.5 CF 2C BK	2466530000
AFS 2.5 CF 2C 12V BK	2466610000
AFS 2.5 CF 2C 24V BK	2466600000
A2C 4	2051180000
A2C 4 PE	2051360000
A3C 4	2051240000
A3C 4 PE	2051410000
A4C 4	2051500000
A4C 4 PE	2051560000
ADT 4 2C	2429850000
AFS 4 2C BK	2429860000
A2C 6	1992110000
A2C 6 PE	1991810000

APP3



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige

Type	Qty.	Order No.
APP 3	50	2489100000

APGTB 1.5 FT 4C/2	2482200000
APGTB 1.5 PE 4C/2	2482240000
APGTB 2.5 FT 4C/2	1514030000
APGTB 2.5 PE 4C/2	1513920000
ADT 2.5 3C	1989830000
ADT 2.5 4C	1989860000
A3C 6	1991820000
A3C 6 PE	1991850000
AAP11 ...	
AAP13 ...	
AI021 1.5 SI	1992260000
AI021 1.5 SO	1992240000
AI021 1.5 SO-PE	1992250000
AI022 1.5 SI-PE	1992230000

Note

Integrated partition plate

APP4



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige

Type	Qty.	Order No.
APP 4	50	2489110000

APGTB 1.5 2T 4C/2	2485840000
APGTB 1.5 2T PE 4C/2	2485870000
A2T 1.5	2469370000
A2T 1.5 PE	2469410000
A2T 2.5	1547610000
A2T 2.5 PE	1547680000
APGTB 2.5 2T 4C/2	1548060000
APGTB 2.5 2T PE 4C/2	1548160000

matching terminals



Note



**Pluggable Cross-Connection ZQV**



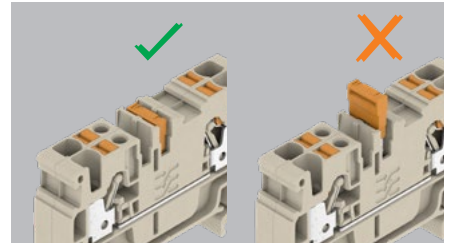
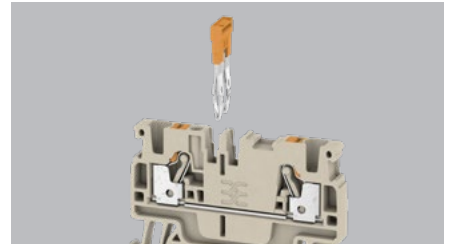
Weidmüller offers plug-in and screwed cross-connection systems for screw-connection terminal blocks. The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions. This also ensures that all poles always contact reliably.

**Fitting and changing crossconnections**

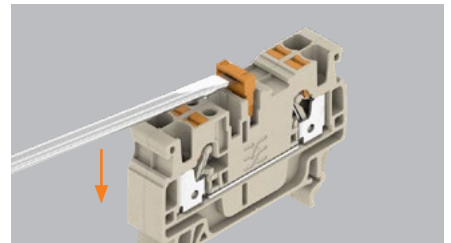
The fitting and changing of cross-connections is a trouble-free and fast operation:

- Insert the cross-connection into the crossconnection channel in the terminal...

... and press it fully home.  
(The cross-connection may not project from the channel.)

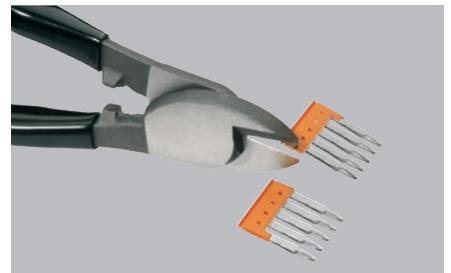


- Remove a cross-connection by simply prising it out with a screwdriver.



**Shortening cross-connections**

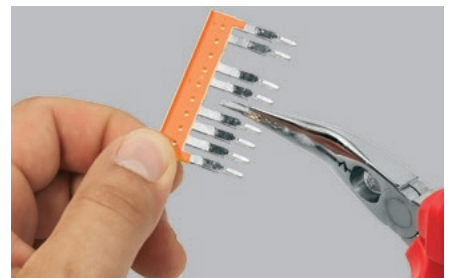
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



**Breaking out contact elements**

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

**Caution:**  
Contact elements must not be deformed!



**Note:** By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.





### ALO 6 and ALO 16 supply terminals

The ALO 6 and ALO 16 supply terminals can be fed by wires of cross-section 6 or 16 mm<sup>2</sup>. Over standard cross-connections the potential is distributed over any number of terminals blocks of smaller cross-section. Some variants for potential distribution during feed-in are indicated in the table below, including the cross-connection which can be used and the maximum current allowed.

### Integrated endplate



#### Output options and cross-connectors to use

Supply terminal	Output terminal	Cross-connection	Feed-in left	Feed-in right
ALO 6	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•

#### Output options and cross-connectors to use

Supply terminal	Output terminal	Cross-connection	Feed-in left	Feed-in right
ALO 16	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•
	A2C 4	ZQV 4N	•	•
	A3C 4	ZQV 4N	•	•
	A4C 4	ZQV 4N	•	•
	A2C 6	ZQV 6N	•	•
	A3C 6	ZQV 6N	•	•

#### Maximum current flow I<sub>max</sub> only with ALO 6

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	6 mm <sup>2</sup>	41 A	41 A
A3C 1.5	ZQV 1.5N	6 mm <sup>2</sup>	41 A	41 A
A4C 1.5	ZQV 1.5N	6 mm <sup>2</sup>	41 A	41 A
A2C 2.5	ZQV 2.5N	6 mm <sup>2</sup>	41 A	41 A
A3C 2.5	ZQV 2.5N	6 mm <sup>2</sup>	41 A	41 A
A4C 2.5	ZQV 2.5N	6 mm <sup>2</sup>	41 A	41 A

#### Maximum current flow I<sub>max</sub> at ALO 16 with cross-section 16 mm<sup>2</sup>

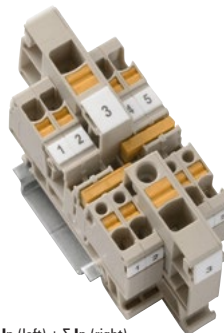
Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	16 mm <sup>2</sup>	48 A	72 A
A3C 1.5	ZQV 1.5N	16 mm <sup>2</sup>	48 A	72 A
A4C 1.5	ZQV 1.5N	16 mm <sup>2</sup>	48 A	72 A
A2C 2.5	ZQV 2.5N	16 mm <sup>2</sup>	68 A	76 A
A3C 2.5	ZQV 2.5N	16 mm <sup>2</sup>	68 A	76 A
A4C 2.5	ZQV 2.5N	16 mm <sup>2</sup>	68 A	76 A
A2C 4	ZQV 4N	16 mm <sup>2</sup>	76 A	76 A
A3C 4	ZQV 4N	16 mm <sup>2</sup>	76 A	76 A
A4C 4	ZQV 4N	16 mm <sup>2</sup>	76 A	76 A
A2C 6	ZQV 6N	16 mm <sup>2</sup>	76 A	76 A
A3C 6	ZQV 6N	16 mm <sup>2</sup>	76 A	76 A

#### Maximum current flow I<sub>max</sub> at ALO 16 with cross-section 10 mm<sup>2</sup>

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	10 mm <sup>2</sup>	48 A	57 A
A3C 1.5	ZQV 1.5N	10 mm <sup>2</sup>	48 A	57 A
A4C 1.5	ZQV 1.5N	10 mm <sup>2</sup>	48 A	57 A
A2C 2.5	ZQV 2.5N	10 mm <sup>2</sup>	57 A	57 A
A3C 2.5	ZQV 2.5N	10 mm <sup>2</sup>	57 A	57 A
A4C 2.5	ZQV 2.5N	10 mm <sup>2</sup>	57 A	57 A
A2C 4	ZQV 4N	10 mm <sup>2</sup>	57 A	57 A
A3C 4	ZQV 4N	10 mm <sup>2</sup>	57 A	57 A
A4C 4	ZQV 4N	10 mm <sup>2</sup>	57 A	57 A
A2C 6	ZQV 6N	10 mm <sup>2</sup>	57 A	57 A
A3C 6	ZQV 6N	10 mm <sup>2</sup>	57 A	57 A



I<sub>max</sub> = Σ I<sub>n</sub> (left)



I<sub>max</sub> = Σ I<sub>n</sub> (left) + Σ I<sub>n</sub> (right)



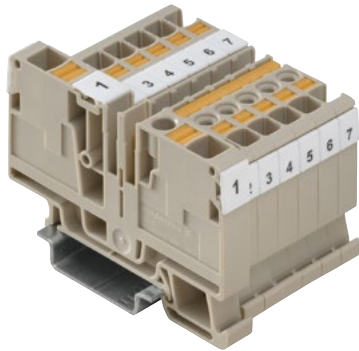
I<sub>max</sub> = Σ I<sub>n</sub> (right)

Supply with standard terminals

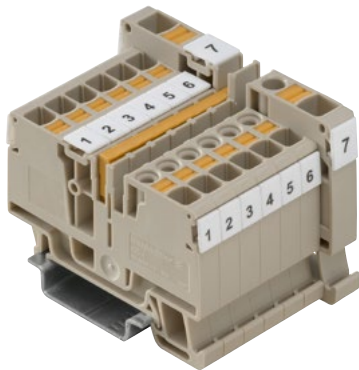
According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

A

Supply on the left



Supply on the right



Supply options and corresponding cross-connections

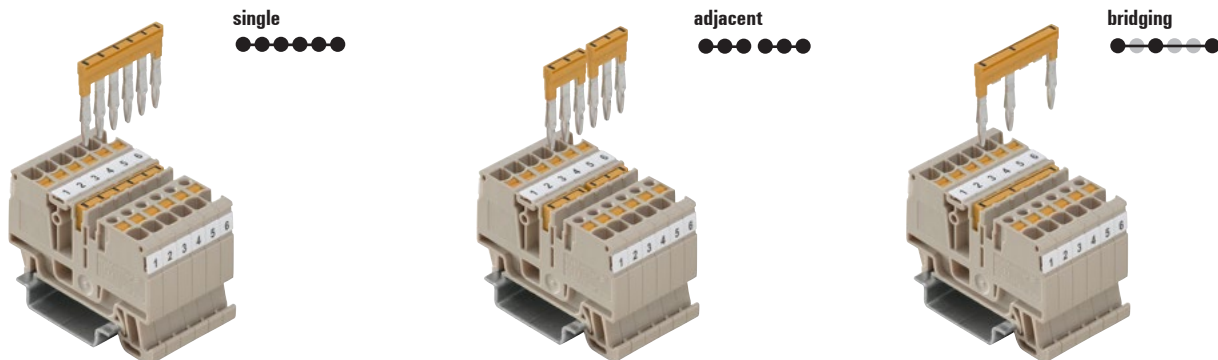
Supply terminals		left											
		2.5 mm <sup>2</sup>					4 mm <sup>2</sup>					6 mm <sup>2</sup>	
		A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
<b>Output terminals right</b>													
1.5 mm <sup>2</sup>	A2C	ZOV 1.5N	•										
	A3C		•										
	A4C		•	•	•	•							
2.5 mm <sup>2</sup>	A2C	ZOV 2.5N					•	•					
	A3C						•	•	•				
	A4C						•	•	•	•			
	ADT 2C						•	•	•	•			
AFS 2C CF						•	•	•	•	•			
4 mm <sup>2</sup>	A2C	ZOV 4N										•	•
	A3C											•	•
	A4C											•	•
	ADT 2C											•	•
	AFS 2C											•	•

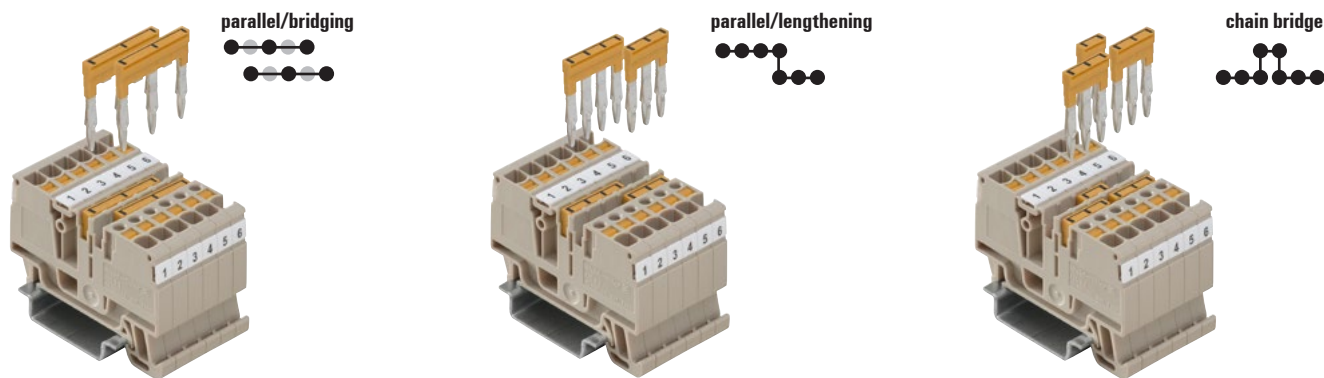
Supply terminals		right											
		2.5 mm <sup>2</sup>					4 mm <sup>2</sup>					6 mm <sup>2</sup>	
		A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
<b>Output terminals left</b>													
1.5 mm <sup>2</sup>	A2C	ZOV 1.5N	•	•	•	•							
	A3C			•	•	•							
	A4C			•	•	•							
2.5 mm <sup>2</sup>	A2C	ZOV 2.5N					•	•					
	A3C							•	•	•			
	A4C							•	•	•	•		
	ADT 2C							•	•	•	•		
AFS 2C CF							•	•	•	•			
4 mm <sup>2</sup>	A2C	ZOV 4N										•	•
	A3C											•	•
	A4C											•	•
	ADT 2C											•	•
	AFS 2C											•	•

Possible combinations

In one cross-connection channel



In two cross-connection channels



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type	Cross-section	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
Standard terminals	mm <sup>2</sup>							
A ... C	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T	1.5	ZQV 1.5N/...	•	•	•	•	•	
A2T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	
A3T	1.5	ZQV 1.5N/...	•	•	•	•	•	
A3T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	
APGTB	1.5	ZQV 1.5N/...	•	•	•	•	•	
APGTB 2T	1.5	ZQV 1.5N/...	•	•	•	•	•	
APGTB 2T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	
A ... C	2.5	ZQV 2.5N/...	•	•	•	•	•	
A2T	2.5	ZQV 2.5N/...	•	•	•	•	•	
A2T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	
A3T	2.5	ZQV 2.5N/...	•	•	•	•	•	
A3T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	
ADT	2.5	ZQV 2.5N/...	•	•	•	•	•	
AFS	2.5	ZQV 2.5N/...	•	•	•	•	•	
APGTB	2.5	ZQV 2.5N/...	•	•	•	•	•	
APGTB 2T	2.5	ZQV 2.5N/...	•	•	•	•	•	
APGTB 2T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	
A ... C	4	ZQV 4N/...	•	•	•	•	•	
A2T	4	ZQV 4N/...	•	•	•	•	•	
A2T PE	4	ZQV 4N/...	•	•	•	•	•	
ADT	4	ZQV 4N/...	•	•	•	•	•	
AFS	4	ZQV 4N/...	•	•	•	•	•	
APGTB	4	ZQV 4N/...	•	•	•	•	•	
APGTB 2T	4	ZQV 4N/...	•	•	•	•	•	
APGTB 2T PE	4	ZQV 4N/...	•	•	•	•	•	
A ... C	6	ZQV 6N/...	•	•	•	•	•	
A ... C	10	ZQV 10N/...	•	•	•	•	•	
A ... C	16	ZQV 16N/...	•	•	•	•	•	



Cross-connections according to dimensions

Universal range

A

ZQV 1.5N



ZQV 2.5N



ZQV 4N



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
41-poles	
50-pole	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2	60	1985410000	
ZQV 1.5N/3	60	1985480000	
ZQV 1.5N/4	60	1985490000	
ZQV 1.5N/5	20	1985500000	
ZQV 1.5N/6	20	1985510000	
ZQV 1.5N/7	20	1985520000	
ZQV 1.5N/8	20	1985540000	
ZQV 1.5N/9	20	1985560000	
ZQV 1.5N/10	20	1985580000	
ZQV 1.5N/20	20	1985600000	
ZQV 1.5N/50	5	1985620000	

24			
Type	Qty.	Order No.	
ZQV 2.5N/2	60	1527540000	
ZQV 2.5N/3	60	1527570000	
ZQV 2.5N/4	60	1527590000	
ZQV 2.5N/5	20	1527620000	
ZQV 2.5N/6	20	1527630000	
ZQV 2.5N/7	20	1527640000	
ZQV 2.5N/8	20	1527670000	
ZQV 2.5N/9	20	1527680000	
ZQV 2.5N/10	20	1527690000	
ZQV 2.5N/20	20	1527720000	
ZQV 2.5N/50	5	1527730000	

32			
Type	Qty.	Order No.	
ZQV 4N/2	60	1527930000	
ZQV 4N/3	60	1527940000	
ZQV 4N/4	60	1527970000	
ZQV 4N/5	60	1527980000	
ZQV 4N/6	20	1527990000	
ZQV 4N/7	20	1528020000	
ZQV 4N/8	20	1528030000	
ZQV 4N/9	20	1528070000	
ZQV 4N/10	20	1528090000	
ZQV 4N/20	20	2883800000	
ZQV 4N/41		2883810000	
ZQV 4N/50	5	1528130000	



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
41-poles	
50-pole	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2 BL	60	1985530000	
ZQV 1.5N/3 BL	60	1985550000	
ZQV 1.5N/4 BL	60	1985570000	
ZQV 1.5N/5 BL	20	1985590000	
ZQV 1.5N/6 BL	20	1985610000	
ZQV 1.5N/7 BL	20	1985630000	
ZQV 1.5N/8 BL	20	1985640000	
ZQV 1.5N/9 BL	20	1985660000	
ZQV 1.5N/10 BL	20	1985680000	
ZQV 1.5N/20 BL	20	1985700000	
ZQV 1.5N/50 BL	5	1985720000	

24			
Type	Qty.	Order No.	
ZQV 2.5N/2 BL	60	1527740000	
ZQV 2.5N/3 BL	60	1527770000	
ZQV 2.5N/4 BL	60	1527780000	
ZQV 2.5N/5 BL	20	1527790000	
ZQV 2.5N/6 BL	20	1527820000	
ZQV 2.5N/7 BL	20	1527830000	
ZQV 2.5N/8 BL	20	1527840000	
ZQV 2.5N/9 BL	20	1527870000	
ZQV 2.5N/10 BL	20	1527880000	
ZQV 2.5N/20 BL	20	1527890000	
ZQV 2.5N/50 BL	5	1527920000	

32			
Type	Qty.	Order No.	
ZQV 4N/2 BL	60	1528040000	
ZQV 4N/3 BL	60	1528080000	
ZQV 4N/4 BL	60	1528120000	
ZQV 4N/5 BL	60	1528140000	
ZQV 4N/6 BL	20	1528170000	
ZQV 4N/7 BL	20	1528180000	
ZQV 4N/8 BL	20	1528190000	
ZQV 4N/9 BL	20	1528220000	
ZQV 4N/10 BL	20	1528230000	
ZQV 4N/20 BL	20	2810850000	
ZQV 4N/41 BL		2883820000	
ZQV 4N/50 BL	5	1528240000	



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
41-poles	
50-pole	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2 RD	60	1985650000	
ZQV 1.5N/3 RD	60	1985670000	
ZQV 1.5N/4 RD	60	1985690000	
ZQV 1.5N/5 RD	20	1985710000	
ZQV 1.5N/6 RD	20	1985730000	
ZQV 1.5N/7 RD	20	1985750000	
ZQV 1.5N/8 RD	20	1985770000	
ZQV 1.5N/9 RD	20	1985790000	
ZQV 1.5N/10 RD	20	1985800000	
ZQV 1.5N/20 RD	20	1985810000	
ZQV 1.5N/50 RD	5	1985820000	

24			
Type	Qty.	Order No.	
ZQV 2.5N/2 RD	60	2108470000	
ZQV 2.5N/3 RD	60	2108690000	
ZQV 2.5N/4 RD	60	2108700000	
ZQV 2.5N/5 RD	20	2108710000	
ZQV 2.5N/6 RD	20	2108720000	
ZQV 2.5N/7 RD	20	2108810000	
ZQV 2.5N/8 RD	20	2108870000	
ZQV 2.5N/9 RD	20	2108900000	
ZQV 2.5N/10 RD	20	2108910000	
ZQV 2.5N/20 RD	20	2108920000	
ZQV 2.5N/50 RD	5	2109000000	

32			
Type	Qty.	Order No.	
ZQV 4N/2 RD	60	2460450000	
ZQV 4N/3 RD	60	2460810000	
ZQV 4N/4 RD	60	2460800000	
ZQV 4N/5 RD	60	2460790000	
ZQV 4N/6 RD	20	2460780000	
ZQV 4N/7 RD	20	2460770000	
ZQV 4N/8 RD	20	2460760000	
ZQV 4N/9 RD	20	2460750000	
ZQV 4N/10 RD	20	2460740000	
ZQV 4N/20 RD	20	2810860000	
ZQV 4N/41 RD		2883840000	
ZQV 4N/50 RD	5	2460730000	

ZQV 6N



41		
Type	Qty.	Order No.
ZQV 6N/2	60	1985740000
ZQV 6N/3	60	1985760000
ZQV 6N/4	60	1985780000
ZQV 6N/6	20	2733950000
ZQV 6N/7	20	2733960000
ZQV 6N/10	20	2733970000
ZQV 6N/20	20	2810820000

ZQV 10N/2



57		
Type	Qty.	Order No.
ZQV 10N/2	25	2497250000

ZQV 16N/2



76		
Type	Qty.	Order No.
ZQV 16N/2	25	2497290000

ZQV 35N/2



125		
Type	Qty.	Order No.
ZQV 35N/2	10	2634950000
<b>Reducing bridge</b>		
Type	Qty.	Order No.
ZQV 35N - 16	10	2562660000
ZQV 35N - 10	10	2562670000



41		
Type	Qty.	Order No.
ZQV 6N/2 BL	60	1985830000
ZQV 6N/3 BL	60	1985840000
ZQV 6N/4 BL	60	1985850000
ZQV 6N/6 BL	20	2786890000
ZQV 6N/7 BL	20	2786900000
ZQV 6N/10 BL	20	2786910000



Spring connection with PUSH IN technology (A-Series)  
Accessories

Cross-connections according to  
dimensions

ZQV 50/70N



ZQV 95/120N



ZQV 150/185N



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
Note	

150		
Type	Qty.	Order No.
ZQV 50/70N/2	10	2663400000

192		
Type	Qty.	Order No.
ZQV 95/120N/2	10	2694250000
ZQV 95/120N/3	10	2694260000

232		
Type	Qty.	Order No.
ZQV 150/185N/2	5	2728840000
ZQV 150/185N/3	5	2728850000

Universal range

A



Cross-connections according to dimensions

ZQV 2.5N



ZQV 4N



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
41-poles	
50-pole	
Note	

24			
Type	Qty.	Order No.	
ZQV 2.5N/2 WT	60	2831560000	
ZQV 2.5N/3 WT	60	2831570000	
ZQV 2.5N/4 WT	60	2831580000	
ZQV 2.5N/5 WT	20	2831590000	
ZQV 2.5N/6 WT	20	2831600000	
ZQV 2.5N/7 WT	20	2831610000	
ZQV 2.5N/8 WT	20	2831620000	
ZQV 2.5N/9 WT	20	2831630000	
ZQV 2.5N/10 WT	20	2831640000	
ZQV 2.5N/20 WT	20	2831650000	
ZQV 2.5N/50 WT	5	2831660000	

32			
Type	Qty.	Order No.	
ZQV 4N/2 WT	60	2831800000	
ZQV 4N/3 WT	60	2831810000	
ZQV 4N/4 WT	60	2831820000	
ZQV 4N/5 WT	60	2831830000	
ZQV 4N/6 WT	20	2831840000	
ZQV 4N/7 WT	20	2831850000	
ZQV 4N/8 WT	20	2831860000	
ZQV 4N/9 WT	20	2831870000	
ZQV 4N/10 WT	20	2831790000	



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
41-poles	
50-pole	
Note	

24			
Type	Qty.	Order No.	
ZQV 2.5N/2 BK	60	2831670000	
ZQV 2.5N/3 BK	60	2831680000	
ZQV 2.5N/4 BK	60	2831690000	
ZQV 2.5N/5 BK	20	2831700000	
ZQV 2.5N/6 BK	20	2831710000	
ZQV 2.5N/7 BK	20	2831720000	
ZQV 2.5N/8 BK	20	2831730000	
ZQV 2.5N/9 BK	20	2831740000	
ZQV 2.5N/10 BK	20	2831750000	
ZQV 2.5N/20 BK	20	2831760000	
ZQV 2.5N/50 BK	5	2831770000	

32			
Type	Qty.	Order No.	
ZQV 4N/2 BK	60	2810840000	
ZQV 4N/3 BK	60	2810880000	
ZQV 4N/4 BK	60	2810890000	
ZQV 4N/5 BK	60	2810900000	
ZQV 4N/6 BK	20	2810910000	
ZQV 4N/7 BK	20	2810920000	
ZQV 4N/8 BK	20	2810930000	
ZQV 4N/9 BK	20	2831780000	
ZQV 4N/10 BK	20	2810830000	
ZQV 4N/20 BK	20	2810870000	
ZQV 4N/41 BK	10	2831890000	



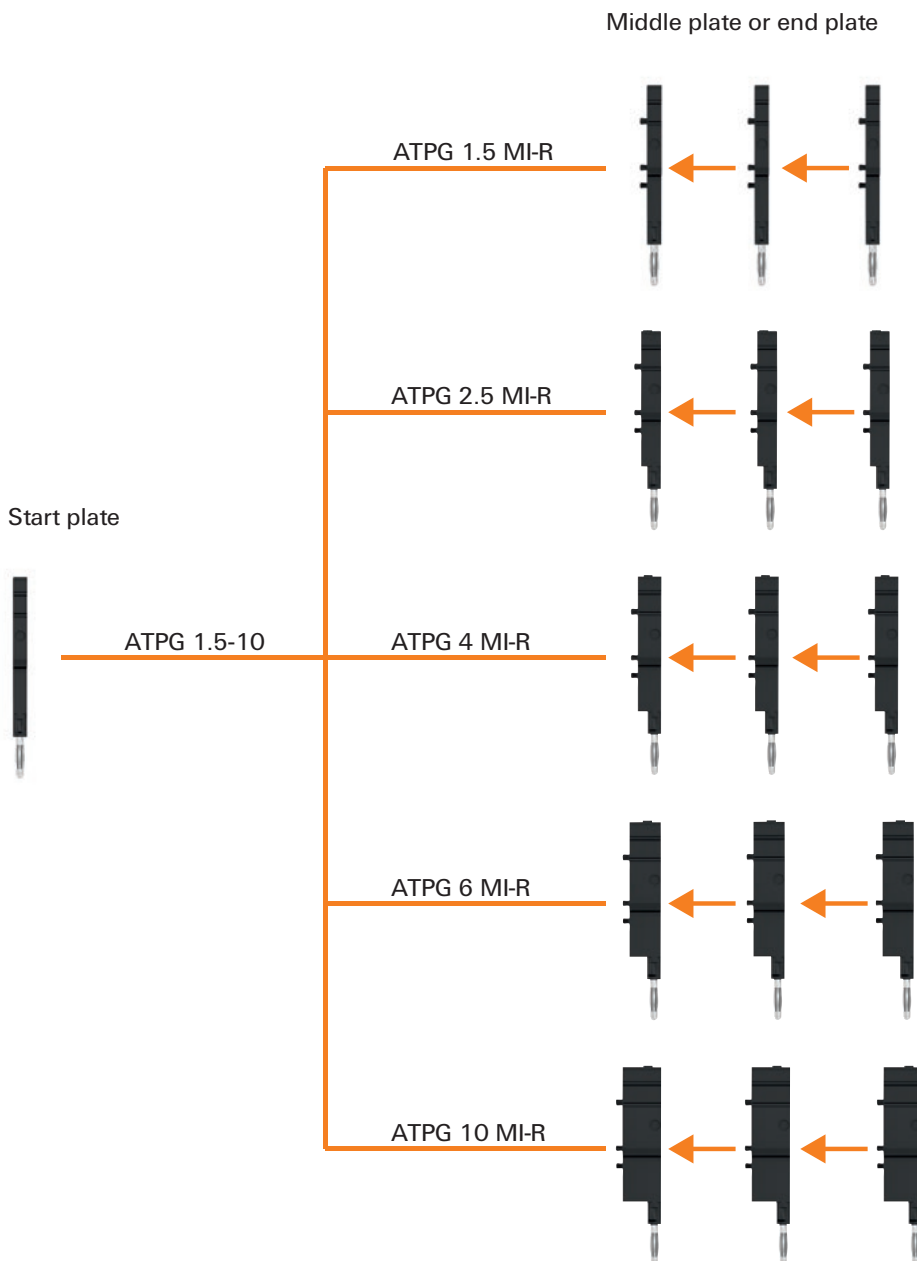
**Test adapters for self-assembly:**

The test adapters offer a flexible solution for every task - they can be connected by threading them together in accordance with the application to be fulfilled.

**Note:**

The start plate can only be combined with one size of expansion plate.

**Structure of the test adapter system**





### Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	3-pole
	5-pole
Note	

### ATPG 1.5-10

Start plate



Width / Length / Height	mm	3.5 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 1.5-10 L	50	1991890000
Note		

### ATPG 1.5 MI-R

Middle plate or end plate



Width / Length / Height	mm	3.5 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 1.5 MI-R	50	1991880000
Note		

### ATPG 2.5 MI-R

Middle plate or end plate



Width / Length / Height	mm	5.1 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 2.5 MI-R	50	1991960000
ATPG 2.5/3	25	2041190000
ATPG 2.5/5	25	2041180000
Note		

### Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	3-pole
	5-pole
Note	

### ATPG 4 MI-R-10

Middle plate or end plate



Width / Length / Height	mm	6.1 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 4 MI-R	50	1991860000
Note		

### ATPG 6 MI-R

Middle plate or end plate



Width / Length / Height	mm	7.9 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 6 MI-R	50	1991930000
Note		

### ATPG 10 MI-R

Middle plate or end plate



Width / Length / Height	mm	9.9 / / 18.5
Stripping length	mm	6
Rated data		
Rated voltage	V	0.2
Rated current	A	1.5
for wire cross-section	mm <sup>2</sup>	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1
Ordering data		
Type	Qty.	Order No.
ATPG 10 MI-R	50	1991870000
Note		



**AAM 1.5 YE FLASH**



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-40 °C
Continuous operating temp., max.	100 °C
Material	polyamide
UL 94 flammability rating	V-2
Ordering data	
	yellow
Note	

Dimensions			
2,5 / 52,67 / 36,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 1.5 YE FLASH	40	2635520000	

**AAM 2.5 YE FLASH**



Dimensions			
2,5 / 75,51 / 45,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 2.5 YE FLASH	40	2635550000	

**AAM 4 YE FLASH**



Dimensions			
2,5 / 52,67 / 36,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 4 YE FLASH	40	2635560000	

**AAM 6 YE FLASH**



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-40 °C
Continuous operating temp., max.	100 °C
Material	polyamide
UL 94 flammability rating	V-2
Ordering data	
	yellow
Note	

Dimensions			
2,5 / 75,51 / 45,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 6 YE FASH	40	2635570000	

**AAM 10 YE FLASH**

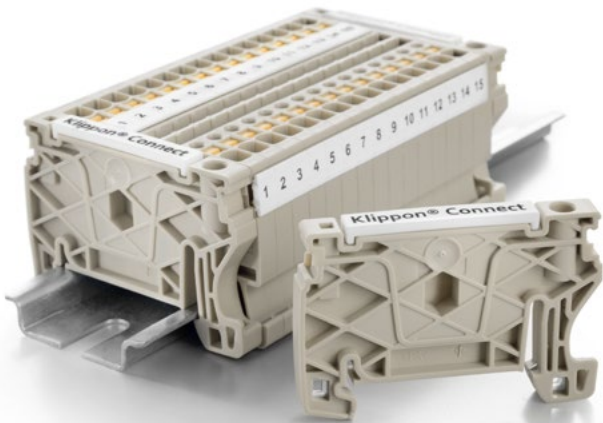


Dimensions			
2,5 / 52,67 / 36,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 10 YE FLASH	40	2635580000	

**AAM 16 YE FLASH**



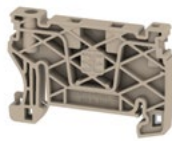
Dimensions			
2,5 / 75,51 / 45,15			
-40 °C			
100 °C			
polyamide			
V-2			
Type	Qty.	Order No.	
AAM 16 YE FLASH	40	2635590000	



### End bracket

### AEB 35 SCL/1 VO ...

### AEB 35 SCL/1 VO ... DL



#### Dimensions

Continuous operating temp., min.  
Continuous operating temp., max.  
Material  
UL 94 flammability rating

-40 °C  
100 °C  
polyamide  
V-0

#### Ordering data

dark beige  
light grey  
black

Type	Qty.	Order No.
AEB 35 SCL/1 VO	50	2661280000
AEB 35 SCL/1 VO GY	50	2661290000
AEB 35 SCL/1 VO BK	50	2661300000

#### Note

-40 °C  
100 °C  
Polyamid  
V-0

Type	Qty.	Order No.
AEB 35 SCL/1 VO DL	50	2570240000
AEB 35 SCL/1 VO GY DL	50	2570260000
AEB 35 SCL/1 VO BK DL	50	2570250000

### SnapMark- Marker for multi-tier terminals

### SNAPMARK 1

### SNAPMARK 1.5



#### Dimensions

width / height / depth mm  
Continuous operating temperature, min.  
Continuous service temperature, max.  
Material  
Flammability class according to UL 94

3.5 / 6.2 / 4.8  
-40 °C  
100 °C  
polyamide  
V-2

#### Ordering data

Type	Qty.	Order No.
SNAPMARK I	50	1805880000

#### Note

5.1 / 8 / 5.8  
-40 °C  
100 °C  
polyamide  
V-2

Type	Qty.	Order No.
SNAPMARK I.5	40	2682080000

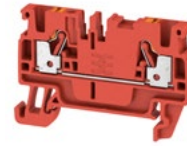
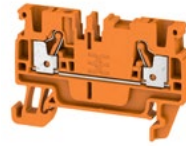
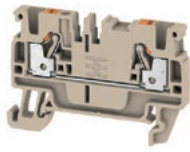


# Spring connection with PUSH IN technology (A-Series)

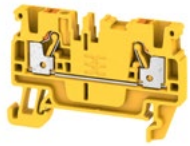
## Overview

Universal range

A



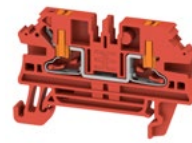
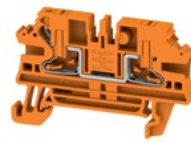
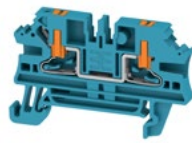
Type	Order No. beige	Order No. blue BL	Order No. orange OR	Order No. red RD
1.5 mm <sup>2</sup>	A2C	1552790000	1552820000	2508020000
	A3C	1552740000	1552770000	2534500000
	A4C	1552690000	1552700000	2534430000
2.5 mm <sup>2</sup>	A2C	1521850000	1521880000	1521900000
	A3C	1521740000	1521780000	1521800000
	A4C	1521690000	1521700000	1521710000
4 mm <sup>2</sup>	A2C	2051180000	2051210000	2051220000
	A3C	2051240000	2051280000	2051300000
	A4C	2051500000	2051520000	2051530000
6 mm <sup>2</sup>	A2C	1992110000	1991790000	-
	A3C	1991820000	1991830000	-



Type	Order No. yellow YL	Order No. green GN	Order No. white WT	Order No. black BK
1.5 mm <sup>2</sup>	A2C	2508190000	2508210000	2508170000
	A3C	2534520000	2534480000	2534230000
	A4C	2534450000	2534410000	2534260000
2.5 mm <sup>2</sup>	A2C	1521940000	1521950000	1521980000
	A3C	1521840000	1521870000	1521920000
	A4C	1521730000	1521770000	1521820000
4 mm <sup>2</sup>	A2C	2051250000	2051260000	2051310000
	A3C	2051340000	2051350000	2051400000
	A4C	2051550000	2051580000	2051660000
6 mm <sup>2</sup>	A2C	-	-	-
	A3C	-	-	-



Type	Order No. light grey LTGY	Order No. dark blue DBL	Order No. brown BR	Order No. violet VT
1.5 mm <sup>2</sup>	A2C	2508220000	2508180000	-
	A3C	2534490000	2534540000	-
	A4C	2534420000	2534470000	-
2.5 mm <sup>2</sup>	A2C	2003110000	2508000000	2876640000
	A3C	2003120000	2534690000	-
	A4C	2003130000	2534740000	-
4 mm <sup>2</sup>	A2C	2051330000	2534380000	-
	A3C	2051460000	2534360000	-
	A4C	2051670000	2534400000	-
6 mm <sup>2</sup>	A2C	-	-	-
	A3C	-	-	-



Type	
2.5 mm <sup>2</sup>	AL2C
	AL3C
	AL4C
4 mm <sup>2</sup>	AL2C
	AL3C
	AL4C

Order No. beige	
	2847200000
	2847330000
	2847460000
	2847710000
	2847720000
	2847730000

Order No. blue BL	
	2847210000
	2847340000
	2847470000
	2871870000
	2871990000
	2872110000

Order No. orange OR	
	2847240000
	2847370000
	2847500000
	2871900000
	2872020000
	2872140000

Order No. red RD	
	2847230000
	2847360000
	2847490000
	2871890000
	2872010000
	2872130000



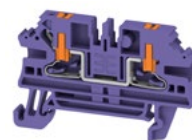
Type	
2.5 mm <sup>2</sup>	AL2C
	AL3C
	AL4C
4 mm <sup>2</sup>	AL2C
	AL3C
	AL4C

Order No. yellow YL	
	2847290000
	2847420000
	2847550000
	2871950000
	2872070000
	2872190000

Order No. green GN	
	2847250000
	2847380000
	2847510000
	2871910000
	2872030000
	2872150000

Order No. white WT	
	2847280000
	2847410000
	2847540000
	2871940000
	2872060000
	2872180000

Order No. black BK	
	2847270000
	2847400000
	2847530000
	2871930000
	2872050000
	2872170000



Type	
2.5 mm <sup>2</sup>	AL2C
	AL3C
	AL4C
4 mm <sup>2</sup>	AL2C
	AL3C
	AL4C

Order No. light grey LTGY	
	2847300000
	2847430000
	2847560000
	2871960000
	2872080000
	2872200000









Order No. dark blue DBL	
	2847220000
	2847350000
	2847480000
	2871880000
	2872000000
	2872120000

Order No. brown BR	
	2847310000
	2847440000
	2847570000
	2871970000
	2872090000
	2872210000

Order No. violet VT	
	2847260000
	2847390000
	2847520000
	2871920000
	2872040000
	2872160000



# Application range

<b>Application range</b>	Application fields in the panel	B.2
	Power feed-in	B.4
	PUSH IN connection	B.6
	Power distribution	B.26
	Hybrid connection	B.28
	PUSH IN connection	B.30
	Control voltage distribution	B.32
	PUSH IN connection	B.34
	Instrument transformer wiring	B.60
	TTB Range	B.62
	Signal wiring	B.84
	PUSH IN connection	B.86
	Signal marshalling	B.88
	PUSH IN connection	B.90
	Shielding and earthing	B.94
	Functional earth	B.97
	Building installation wiring	B.106
	PUSH IN connection	B.108

# Panel building requires innovative ideas

## Klippon® Connect delivers pioneering connectivity solutions

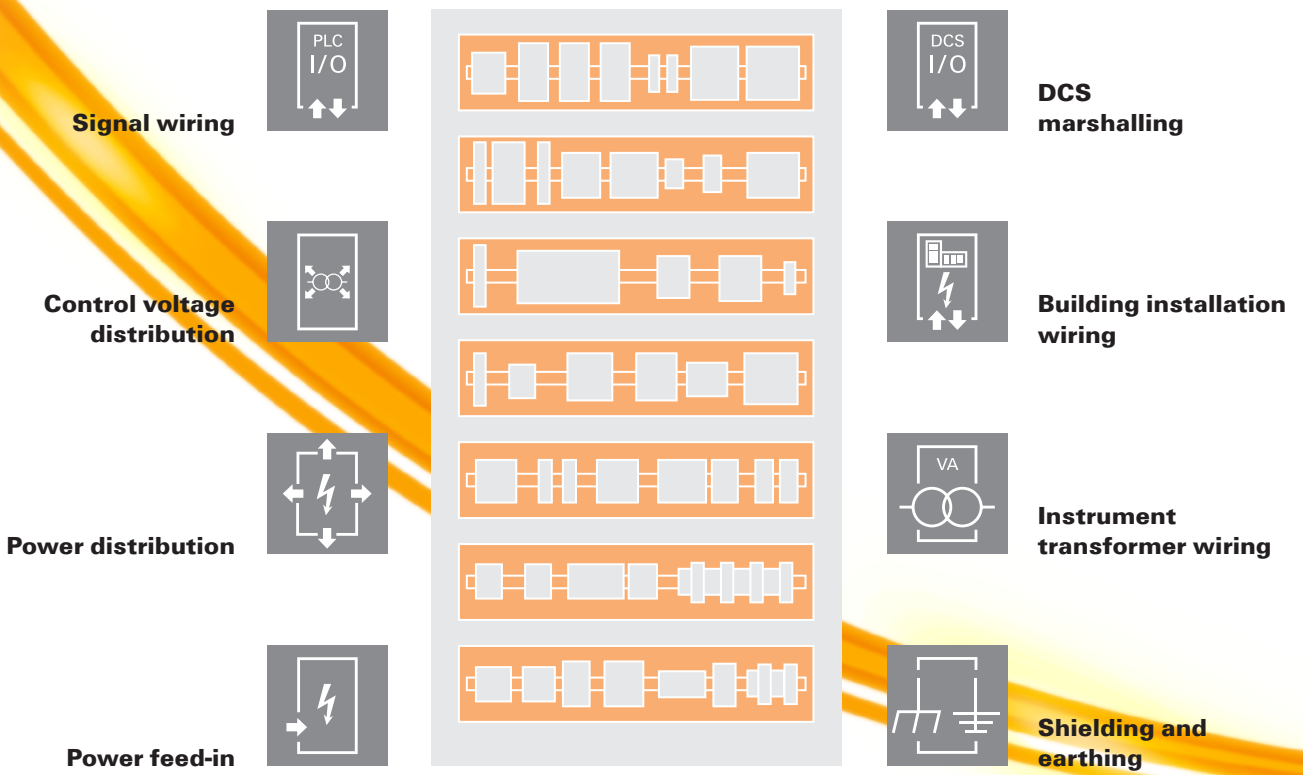
While panels are indeed configured individually, various recurring application fields within the panel are a permanent fixture in almost all industries.

We have identified and developed special solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, our needs-based application products decisively help to boost your productivity, efficiency and safety at all stages of the panel building process.

### Our promise

Our tailored application range guarantees substantial efficiency benefits at every individual stage of the process and leads to unbeatable productivity gains in your panel building operations.

# B







### Power feed-in

Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.



### Power distribution

Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.



### Control voltage distribution

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.



### Instrument transformer wiring

The wiring of current and voltage transformers can be carried out particularly easily and safely with the TTB Range. The prevention of operating errors during operation increases plant availability and extends the life cycle of the entire switchgear.



### Signal wiring

Our sensor-actuator terminal blocks (AIO) are specially designed to meet the requirements that automation demands of signal wiring. Wiring of initiator and actuator signals with the input and output modules of a control system (PLC) can be realized in a simple and structured way.



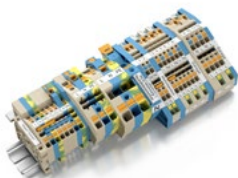
### Signal marshalling

Our modular terminal blocks for signal marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.



### Shielding and earthing

Our protective earth conductor and shielding terminals allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.



### Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

## Reliable and efficient power supply

### Really convenient with Klippon® Connect

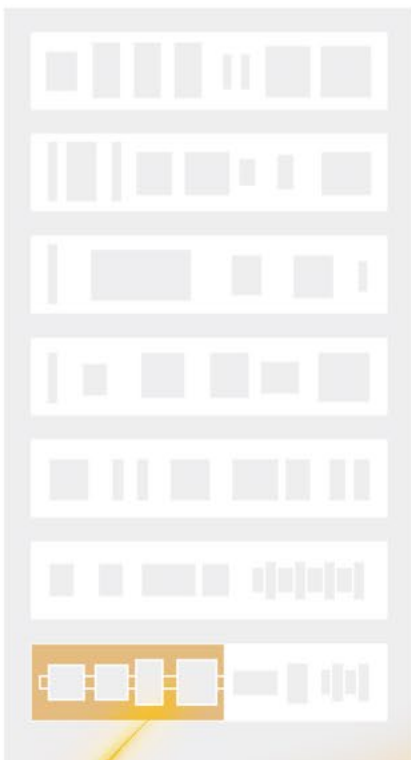


More and more components need to be housed in switchgear and panels within a confined space. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient and space-saving.

#### Our promise

The feed-in of power to switchgear and panels is much easier with Klippon® Connect: our connection solutions ensure reduced wiring work and efficient processes. The compact design means you save space and money, whilst increasing productivity on a sustainable basis.

B

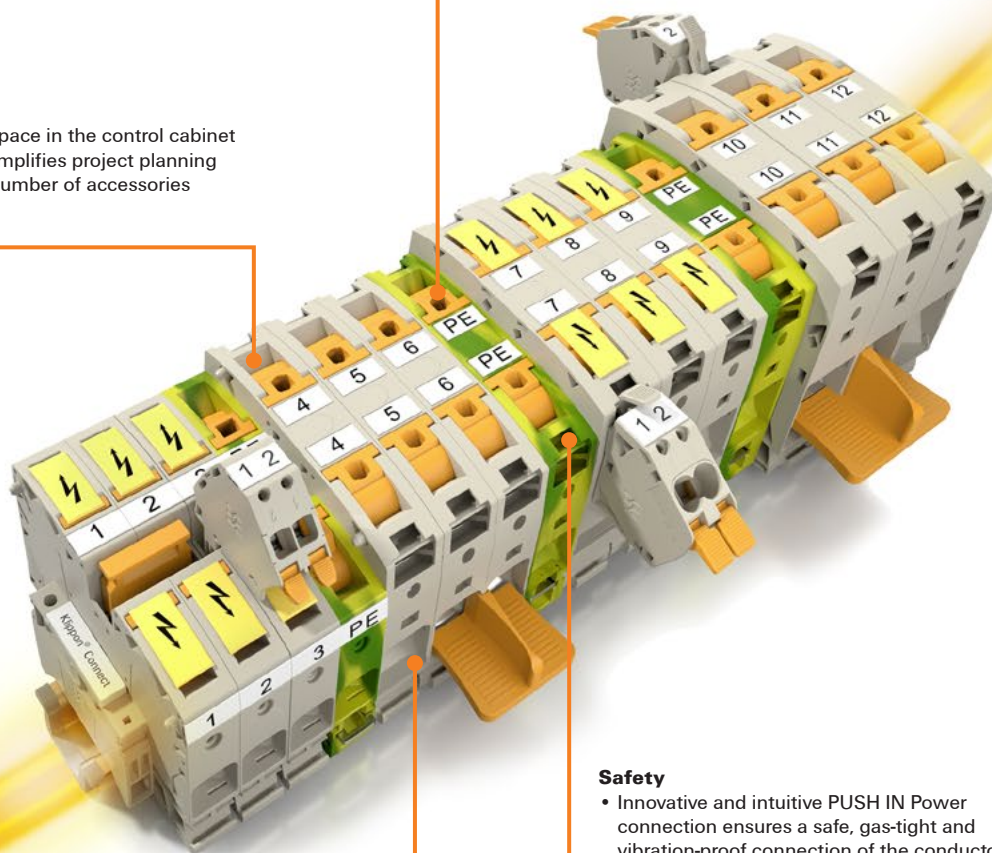


**Space saving**

- Small sizes save space in the control cabinet
- Uniform design simplifies project planning and reduces the number of accessories required

**Flexibility**

- Pre-assembled feed-in blocks for each network system
- Uniform accessories for multiple cross-sections



**Time saving**

- Reduced wiring effort, as the terminal blocks are always delivered with open connection points
- Innovative and intuitive PUSH IN Power connection

**Safety**

- Innovative and intuitive PUSH IN Power connection ensures a safe, gas-tight and vibration-proof connection of the conductor
- Marking of external voltage with additional markers



# Reliable and efficient power supply

## Klippon® Connect A2C 35 high-current terminal blocks

The industrial environment requires more and more flexible and efficient wiring of power consumers, without compromising a consistently high level of process reliability.

Our new A2C 35 high-current terminal blocks meet these requirements. The PUSH IN-Power connection and many other features enable safe and efficient wiring. They are available in a wide range of variants, including for the DIN rail, for direct mounting on mounting plates, and pre-assembled blocks for different network systems.



### Find out more:

Discover all the details in the video. The new high-current terminal blocks A2C 35 with PUSH IN-Power connection:  
[www.weidmueller.com/pushin-power](http://www.weidmueller.com/pushin-power)

More on the benefits Klippon® Connect provides in planning, installation and operation:  
[www.klippon-connect.com](http://www.klippon-connect.com)

### Pre-assembled blocks

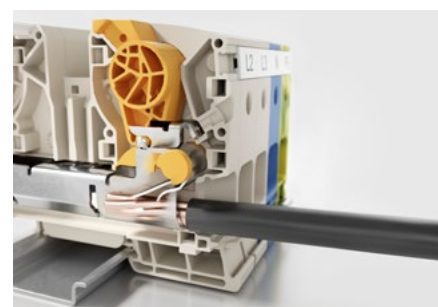
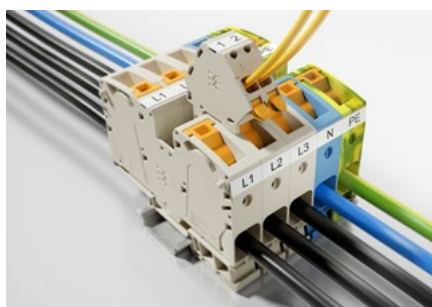
Pre-assembled feed-in blocks for each network system reduce the number of variants and storage costs. This supports installation on the standard DIN rail or direct fixation on the mounting plate using an integrated foot bracket.

### Additional connection for emergency power supply

The additional connection enables a separate voltage tap. One possible use is as an emergency power supply upstream of the main switch. The lever mechanism enable toolless wiring of flexible conductors.

### Innovative PUSH IN-Power connection

With the innovative PUSH IN-Power connection several compression springs provide a safe, gas-tight and vibration-proof Connection of the conductor. The mechanism provides high clamping forces with low operation forces for optimal operation. A uniformly scaled system, which can be found in the cross-sections of 35 mm<sup>2</sup> to 185 mm<sup>2</sup> ensures maximum contact forces.





#### Efficient potential distribution

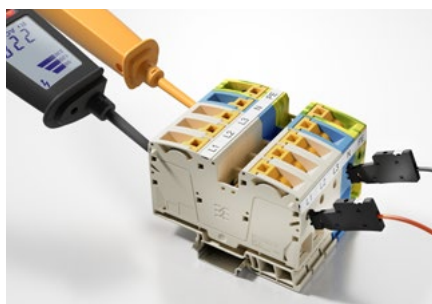
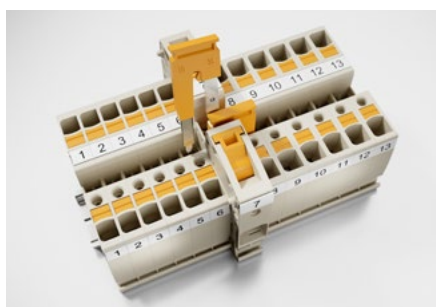
Step-down bridges allow potential distribution to cross-sections of 10 mm<sup>2</sup> and 16 mm<sup>2</sup>. Additional power distributions implement quickly into the panel while avoiding additional wiring.

#### Standardised testing options

A standard 2.0 mm diameter test tap allows easy and fast testing. Standardised accessories guarantee use in the cross-section ranges from 1.5 mm<sup>2</sup> to 185 mm<sup>2</sup> and ensure a streamline portfolio of accessories.

#### Identification of external voltage

Large-area marker tags direct attention to an external voltage applied. The attachment of the flash markers in the connection ranges from 35 mm<sup>2</sup> to 185 mm<sup>2</sup> additionally prevent wiring in live condition. This ensures greater safety for man and machine.



**Power feed-in  
PUSH IN connection**

Application range

**Terminal blocks for rail mounting**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
	Green/yellow
	yellow/black
<b>Note</b>	

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	2-pole
	2-pole
<b>Additional tap</b>	
	dark beige
	blue
	black/yellow
	green/yellow
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Warning labels</b>	
<b>Marking tags</b>	

For detailed information on other accessories and application in the online catalogue

**A2C 35**

**35 mm<sup>2</sup>**



16 x 101.5 x 71.5
<b>125 / 35</b>
<b>2.5...35</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>

8 kV / 3

/ V-0

CC CE cRU us KEUR Ex TUEV16ATEX7909U

**Rated connection**

2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35	10	2551510000
A2C 35 BL	10	2552090000

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	2634950000
ZQV 35N-10	57 A 10	2562670000
ZQV 35N-16	76 A 10	2562660000
AAC 35 2X6	41 A 5	2583090000
AAC 35 2X6 BL	41 A 5	2583170000
AAC 35 2X6 BK-YL	41 A 5	2583190000
AAC 35 2X6 GN-YL	41 A 5	2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

**A2C 35 FE**

**35 mm<sup>2</sup>**



16 x 101.5 x 71.5
<b>125 / 35</b>
<b>2.5...35</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000		880
125			105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>

8 kV / 3

/ V-0

CC CE cRU us KEUR Ex TUEV16ATEX7909U

**Rated connection**

2.5...16 / 10...35
10...35 / 2.5...35
25 / 1.0 x 5.5 mm

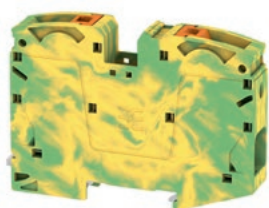
Type	Qty.	Order No.
A2C 35 FE	10	2551530000

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	2634950000
ZQV 35N-10	57 A 10	2562670000
ZQV 35N-16	76 A 10	2562660000
AAC 35 2X6	41 A 5	2583090000
AAC 35 2X6 BL	41 A 5	2583170000
AAC 35 2X6 BK-YL	41 A 5	2583190000
AAC 35 2X6 GN-YL	41 A 5	2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

A2C 35 PE

35 mm<sup>2</sup>



16 x 101 x 71.5  
/ 35  
2.5...35



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000		
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
/ 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 PE	10	2551520000

Type	Qty.	Order No.	
AAC 35 2X6 GN-YL	41 A	5	2583180000
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

A2C 35 DM

35 mm<sup>2</sup>



16 x 135 x 71.5  
125 / 35  
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 DM	10	2551550000
A2C 35 BL DM	10	2552150000

Type	Qty.	Order No.	
ZQV 35N/2	125 A	10	2634950000
ZQV 35N-10	57 A	10	2562670000
ZQV 35N-16	76 A	10	2562660000
AAC 35 2X6	41 A	5	2583090000
AAC 35 2X6 BL	41 A	5	2583170000
AAC 35 2X6 BK-YL	41 A	5	2583190000
AAC 35 2X6 GN-YL	41 A	5	2583180000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

A2C 35 FE DM

35 mm<sup>2</sup>



16 x 135 x 71.5  
125 / 35  
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000		880
125			105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 FE DM	10	2552160000

Type	Qty.	Order No.	
ZQV 35N/2	125 A	10	2634950000
ZQV 35N-10	57 A	10	2562670000
ZQV 35N-16	76 A	10	2562660000
AAC 35 2X6	41 A	5	2583090000
AAC 35 2X6 BL	41 A	5	2583170000
AAC 35 2X6 BK-YL	41 A	5	2583190000
AAC 35 2X6 GN-YL	41 A	5	2583180000
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	



**Power feed-in  
PUSH IN connection**

**Terminal blocks for rail mounting**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	dark beige, blue
	dark beige, black/yellow
	dark beige, blue, black/yellow
	dark beige, green/yellow
	dark beige, blue, green/yellow

**Note**

**Accessories**

Plug-in cross-connection	
	2-pole
	2-pole
	2-pole
Additional tap	
	dark beige
	blue
	black/yellow
	green/yellow
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	

For detailed information on other accessories and application in the online catalogue

**A2C 35 3FT**

**35 mm<sup>2</sup>**



48 x 101.5 x 71.5	
<b>125 / 35</b>	
<b>2.5...35</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			
TUEV16ATEX7909U			
Rated connection			
2.5...16 / 10...35			
10...35 / 2.5...35			
25 / 1.0 x 5.5 mm			

Type	Qty.	Order No.
A2C 35 3FT	1	2552100000
A2C 35 3FT-N	1	2552130000

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	2634950000
ZQV 35N-10	57 A 10	2562670000
ZQV 35N-16	76 A 10	2562660000
AAC 35 2X6	41 A 5	2583090000
AAC 35 2X6 BL	41 A 5	2583170000
AAC 35 2X6 BK-YL	41 A 5	2583190000
AAC 35 2X6 GN-YL	41 A 5	2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

**A2C 35 3FT-FE**

**35 mm<sup>2</sup>**



64 x 101.5 x 71.5	
<b>125 / 35</b>	
<b>2.5...35</b>	

IEC 60947-7-1, IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			
TUEV16ATEX7909U			
Rated connection			
2.5...16 / 10...35			
10...35 / 2.5...35			
25 / 1.0 x 5.5 mm			

Type	Qty.	Order No.
A2C 35 3FT-FE	1	2552110000
A2C 35 3FT-N-FE	1	2552140000

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	2634950000
ZQV 35N-10	57 A 10	2562670000
ZQV 35N-16	76 A 10	2562660000
AAC 35 2X6	41 A 5	2583090000
AAC 35 2X6 BL	41 A 5	2583170000
AAC 35 2X6 BK-YL	41 A 5	2583190000
AAC 35 2X6 GN-YL	41 A 5	2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue



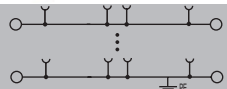


A2C 35 3FT-PE

35 mm<sup>2</sup>



80 x 101.5 x 71.5  
125 / 35  
2.5...35



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 3FT-PE	1	2552120000
A2C 35 3FT-NPE	1	2551540000

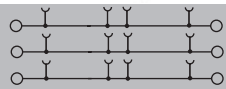
Type	Qty.	Order No.
ZQV 35N/2	125 A	10 2634950000
ZQV 35N-10	57 A	10 2562670000
ZQV 35N-16	76 A	10 2562660000
AAC 35 2X6	41 A	5 2583090000
AAC 35 2X6 BL	41 A	5 2583170000
AAC 35 2X6 BK-YL	41 A	5 2583190000
AAC 35 2X6 GN-YL	41 A	5 2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

A2C 35 3FT DM

35 mm<sup>2</sup>



48 x 135 x 71.5  
125 / 35  
2.5...35



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 3FT DM	1	2552170000
A2C 35 3FT-N DM	1	2552190000

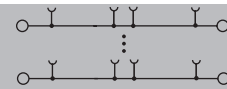
Type	Qty.	Order No.
ZQV 35N/2	125 A	10 2634950000
ZQV 35N-10	57 A	10 2562670000
ZQV 35N-16	76 A	10 2562660000
AAC 35 2X6	41 A	5 2583090000
AAC 35 2X6 BL	41 A	5 2583170000
AAC 35 2X6 BK-YL	41 A	5 2583190000
AAC 35 2X6 GN-YL	41 A	5 2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

A2C 35 3FT-FE DM

35 mm<sup>2</sup>



64 x 135 x 71.5  
125 / 35  
2.5...35



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	880
125	113	101	105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3 / V-0			



TUEV16ATEX7909U

Rated connection

2.5...16 / 10...35  
10...35 / 2.5...35  
25 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 35 3FT-FE DM	1	2552180000
A2C 35 3FT-NFE DM	1	2552200000

Type	Qty.	Order No.
ZQV 35N/2	125 A	10 2634950000
ZQV 35N-10	57 A	10 2562670000
ZQV 35N-16	76 A	10 2562660000
AAC 35 2X6	41 A	5 2583090000
AAC 35 2X6 BL	41 A	5 2583170000
AAC 35 2X6 BK-YL	41 A	5 2583190000
AAC 35 2X6 GN-YL	41 A	5 2583180000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

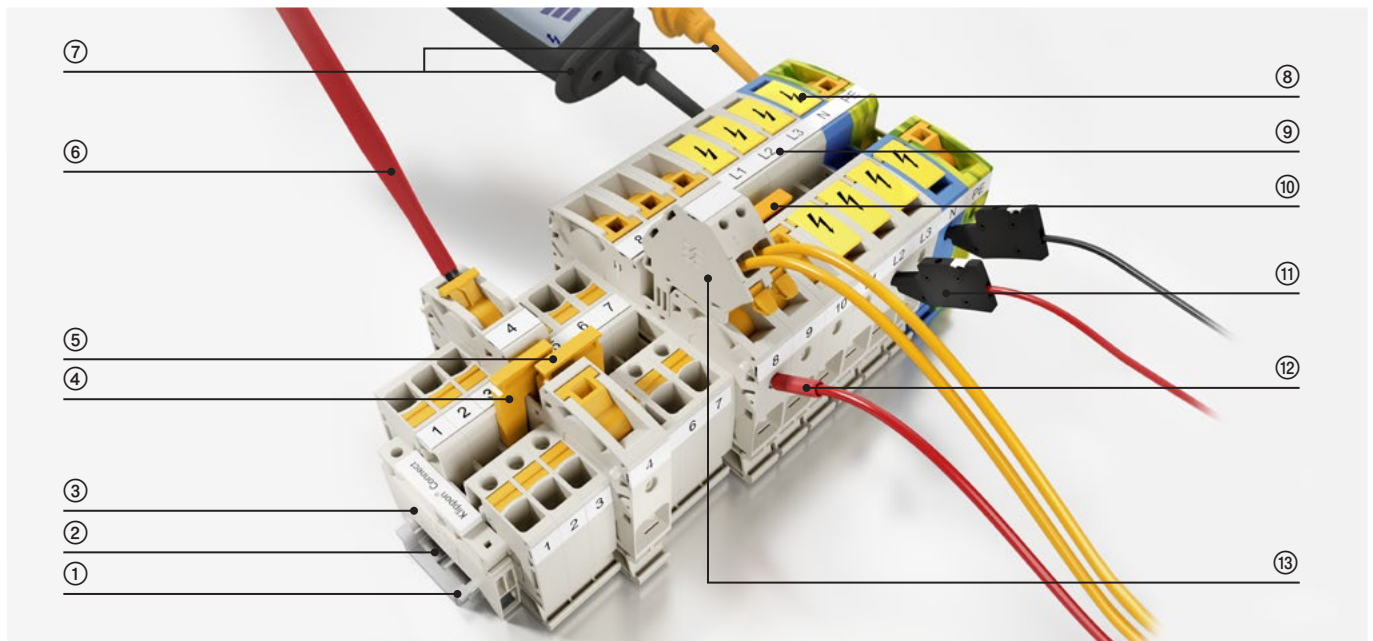


# Mounting in compliance with norms

## Thanks to precisely matched accessories

When assembling terminal blocks and equipping panels you must be able to rely on the fact, that the accessories are also perfectly matched. Only then can the processes run smoothly and productively. Correspondingly there are high requirements for mounting rails, cross-connections and cover plates as well as additional connections. They must comply with numerous norms and protective provisions.

The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms.



Number	Description	Type	Rated voltage	Rated current	Dimensions	Colour	Qty.	Order No.
1	End plate terminal rail	TS END CAP 35X7.5			35 x 7.5 x 4 mm	grey	100	1283470000
2	Terminal rail	TS 35X7.5/LL 2M/ST/ZN			35 x 7.5 x 2000 mm	silver	2	0514500000
3	End bracket	AEB 35 SC/1			8 x 58 x 36 mm	dark beige	50	1991920000
4	Step-down bridges	ZQV 35N-10	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	2562670000
5	Step-down bridges	ZQV 35N-16	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	2562660000
6	Screwdriver	SDS 1.0X5.5X150			1.0 x 5.5 x 150 mm	black/orange	1	2749380000
7	Voltage tester	VT DIGI PRO	1000 V AC / 1000 V DC		264 x 33 x 67 mm	black/orange	1	9918870000
8	Warning cover	AAM 35-185 YE FLASH			55 x 55 x 55 mm	yellow	40	2635600000
9	Terminal marker	WS-A 8/16 MM WS			8 x 16 mm	white	200	2619910000
10	Cross-connector	ZQV 35N/2	1000 V AC / 1500 V DC	70 A	55 x 55 x 55 mm	orange	20	2634950000
11	Test adapter	ATPG 1.5-10 L	250 V AC / 250 V DC	0.2 A	55 x 55 x 55 mm	black	50	1991890000
12	Test probes	PS 2.0 MC	250 V AC / 250 V DC	0.2 A	55 x 55 x 55 mm	red	20	0310000000
13	Additional voltage tap	AAC 35 2X6	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	dark beige	10	2583090000
13	Additional voltage tap	AAC 35 2X6 BL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	blue	10	2583170000
13	Additional voltage tap	AAC 35 2X6 BK-YL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	black/yellow	10	2583190000
13	Additional voltage tap	AAC 35 2X6 GN-YL	1000 V AC / 1500 V DC	42 A	55 x 55 x 55 mm	green/yellow	10	2583180000



## Reliable and efficient power subbly

# Klippon® Connect high current terminal blocks for optimal energy supply

The industrial environment requires more and more flexible and efficient wiring of power consumers, without compromising a consistently high level of process reliability.

Our new high-current terminal blocks meet these requirements. The PUSH IN-Power connection and many other features enable safe and efficient wiring. They are available in a wide range of variants, including for the DIN rail, for direct mounting on mounting plates, and pre-assembled blocks for different network systems.

B



### Innovative PUSH IN-Power connection

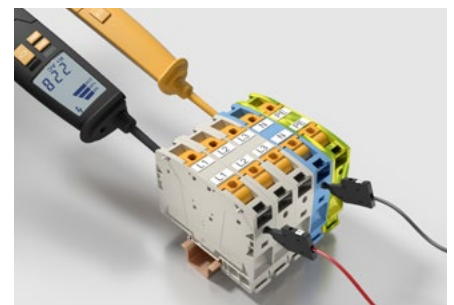
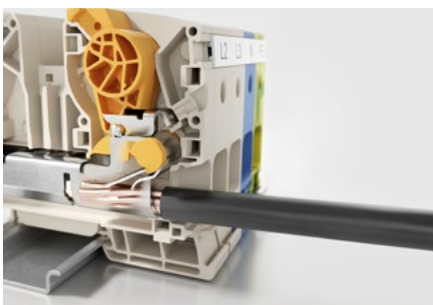
With the innovative PUSH IN-Power connection several compression springs provide a safe, gas-tight and vibration-proof Connection of the conductor. The mechanism provides high clamping forces with low operation forces for optimal operation. A uniformly scaled system, which can be found in the cross-sections of 35 mm<sup>2</sup> to 185 mm<sup>2</sup> ensures maximum contact forces.

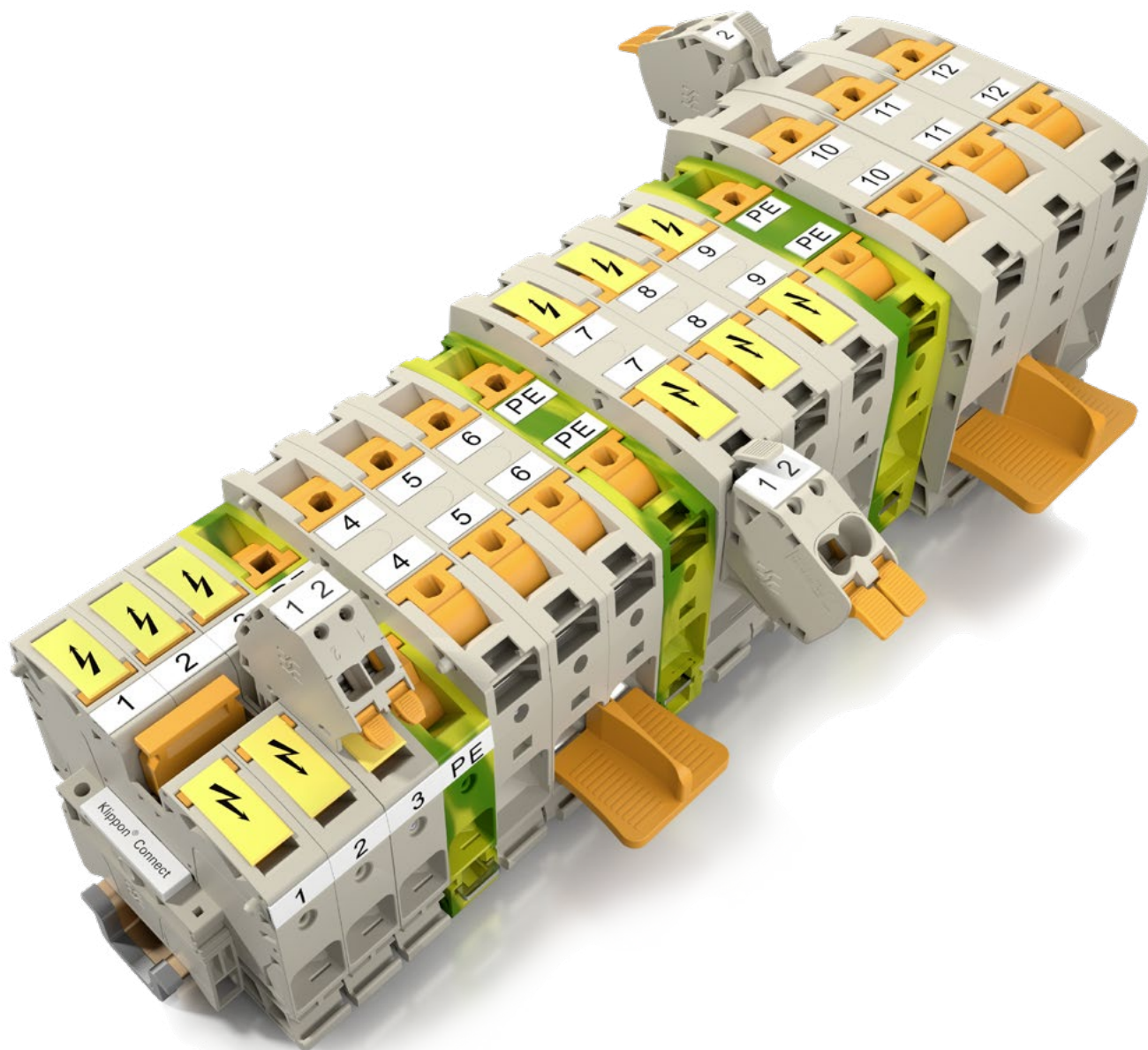
### Pre-assembled blocks

Pre-assembled feed-in blocks for each network system reduce the number of variants and storage costs. This supports installation on the standard DIN rail or direct fixation on the mounting plate using an integrated foot bracket.

### Standardised testing options

A standard 2.0 mm diameter test tap allows easy and fast testing. Standardized accessories guarantee use in the cross-section ranges from 1.5 mm<sup>2</sup> to 185 mm<sup>2</sup> and ensure a streamline portfolio of accessories.





#### Identification of external voltage

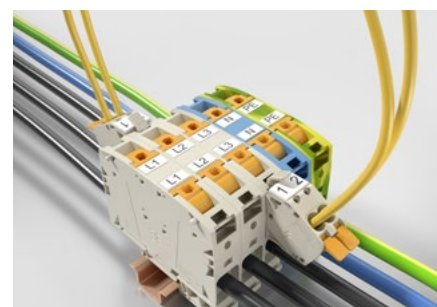
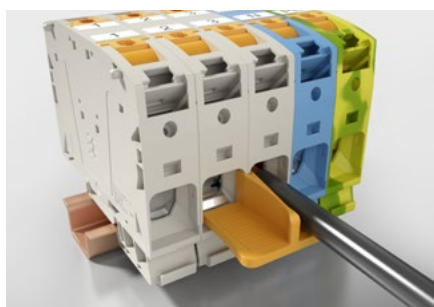
Large-area marker tags direct attention to an external voltage applied. Fixation of the flash markers in the connection areas of 35 mm<sup>2</sup> to 185 mm<sup>2</sup> also prevents circuitry in the live state. This ensures greater safety for man and machine.

#### Efficient potential distribution

The cross connections could be installed tool less by latching the wire inside the connection point. The electrical contact will be given with or without a cable inside the connection point. Thanks to their special design, they could be easily identified with or without any conductor connection.

#### Additional connection for emergency power supply

The additional connection for the cross section from 50 mm<sup>2</sup> up to 185 mm<sup>2</sup> enables a separate voltage tap. One possible use is as an emergency power supply upstream of the main switch. The lever mechanism enable tool less wiring of flexible conductors.



**Power feed-in  
PUSH IN connection**

**Terminal blocks for rail mounting**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	Blue
	Green/yellow
	yellow/black
Note	

**Accessories**

Cross connections insertable	
	2-pole
Additional tap	
	dark beige
	blue
	black/yellow
	green/yellow
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	

For detailed information on other accessories and application in the online catalogue

**A2C 50/70**

**50 mm<sup>2</sup>**



20 x 101.5 x 80.5
<b>150 / 70</b>
<b>10...70</b>

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
8 kV / 3			
/ V-0			
Rated connection			
10...70 / 10...70			
10...70 / 10...50			
30 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

Type	Qty.	Order No.
A2C 50/70	5	2663250000
A2C 50/70 BL	5	2663260000

Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	2663400000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

**A2C 50/70 FE**

**50 mm<sup>2</sup>**



20 x 101.5 x 80.5
<b>150 / 70</b>
<b>10...70</b>

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150			
50	AWG 8...0	AWG 8...NaN	
8 kV / 3			
/ V-0			
Rated connection			
10...16 / 10...70			
10...70 / 10...50			
30 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

Type	Qty.	Order No.
A2C 50/70 FE	5	2663270000

Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	2663400000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

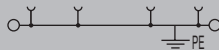


A2C 50/70 PE

50 mm<sup>2</sup>



20 x 101.5 x 80.5  
/ 70  
10...70



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
/ 1500	1000	1000	
50	AWG 8...0	AWG 8...NaN	
	/ 3		
	/ V-0		



Rated connection

10...70 / 10...70  
10...70 / 10...50  
30 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 50/70 PE	5	2663280000

For 50 - 185 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

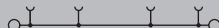
Type	Qty.	Order No.
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

A2C 50/70-DM

50 mm<sup>2</sup>



20 x 134 x 80.5  
150 / 70  
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
	8 kV / 3		
	/ V-0		



Rated connection

10...70 / 10...70  
10...70 / 10...50  
30 / 1.0 x 5.5 mm

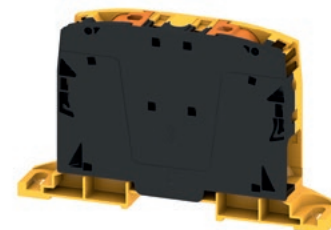
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 50/70-DM	5	2663330000
A2C 50/70 BL-DM	5	2663340000

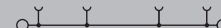
Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	2663400000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

A2C 50/70 FE-DM

50 mm<sup>2</sup>



20 x 134 x 80.5  
150 / 70  
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150			
50	AWG 8...0	AWG 8...NaN	
	8 kV / 3		
	/ V-0		



Rated connection

10...16 / 10...70  
10...70 / 10...50  
30 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 50/70 FE-DM	5	2663350000

Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	2663400000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000



**Power feed-in  
PUSH IN connection**

**Terminal blocks for rail mounting**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	Blue
	Green/yellow
	yellow/black
Note	

**Accessories**

Cross connections insertable	
	2-pole
	3-pole
Additional tap	
	dark beige
	blue
	black/yellow
	green/yellow
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	

For detailed information on other accessories and application in the online catalogue

**A2C 95/120**

**95 mm<sup>2</sup>**



25 x 101.5 x 90
<b>232 / 120</b>
<b>25...120</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	600		
232	255		
95	AWG 4...250		
8 kV / 3			
/ V-0			



**Rated connection**

25...120 / 25...120
25...120 / 25...95
40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120	5	2694060000
A2C 95/120 BL	5	2694070000

Type	Qty.	Order No.
ZQV 95/120N/2	192 A 10	2694250000
ZQV 95/120N/3	192 A 10	2694260000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

**A2C 95/120 FE**

**95 mm<sup>2</sup>**



25 x 101.5 x 90
<b>232 / 120</b>
<b>25...120</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500			
232			
95	AWG 4...0		
8 kV / 3			
/ V-0			



**Rated connection**

25...120 / 25...120
25...120 / 25...95
40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

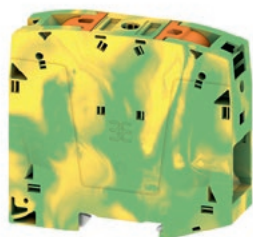
Type	Qty.	Order No.
A2C 95/120 FE	5	2694080000

Type	Qty.	Order No.
ZQV 95/120N/2	192 A 10	2694250000
ZQV 95/120N/3	192 A 10	2694260000
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

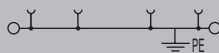


A2C 95/120 PE

95 mm<sup>2</sup>



25 x 101.5 x 90  
/ 120  
25...120



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1000 / 1500			
95	AWG 4...0		
	/ 3		
	/ V-0		



Rated connection

25...120 / 25...120  
25...120 / 25...95  
40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120 PE	5	2694090000

For 50 - 185 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

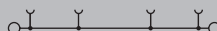
Type	Qty.	Order No.	
AAC 50-185 2X10 GN-YL	57 A	5	2663440000
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

A2C 95/120-DM

95 mm<sup>2</sup>



25 x 133.5 x 90  
232 / 120  
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	600		
232	255		
95	AWG 4...250		
	8 kV / 3		
	/ V-0		



Rated connection

25...120 / 25...120  
25...120 / 25...95  
40 / 1.0 x 5.5 mm

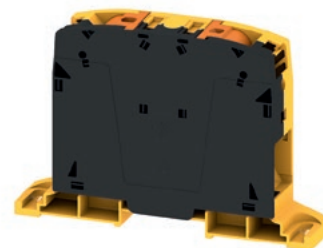
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120-DM	5	2694150000
A2C 95/120 BL-DM	5	2694160000

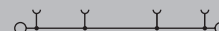
Type	Qty.	Order No.	
ZQV 95/120N/2	192 A	10	2694250000
ZQV 95/120N/3	192 A	10	2694260000
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL	57 A	5	2663440000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

A2C 95/120 FE-DM

95 mm<sup>2</sup>



25 x 133.5 x 90  
232 / 120  
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500			
232			
95	AWG 4...0		
	8 kV / 3		
	/ V-0		



Rated connection

25...120 / 25...120  
25...120 / 25...95  
40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120 FE-DM	5	2694170000

Type	Qty.	Order No.	
ZQV 95/120N/2	192 A	10	2694250000
ZQV 95/120N/3	192 A	10	2694260000
AAC 50-185 2X10	57 A	5	2663420000
AAC 50-185 2X10 BL	57 A	5	2663430000
AAC 50-185 2X10 BK-YL	57 A	5	2663450000
AAC 50-185 2X10 GN-YL	57 A	5	2663440000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	



**Power feed-in  
PUSH IN connection**

**Terminal blocks for rail mounting**

**A2C 150/185**

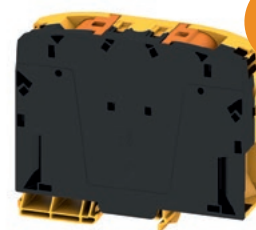
**150 mm<sup>2</sup>**

**A2C 150/185 FE**

**150 mm<sup>2</sup>**



Q3  
2023



Q3  
2023

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

34 x 118.5 x 98
<b>309 / 185</b>
<b>25...185</b>

34 x 118.5 x 98
<b>309 / 185</b>
<b>25...185</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000 / 1500			
309			
150			
	8 kV / 3		
	B13 / V-0		
<b>Rated connection</b>			
50...185 / 50...185			
50...185 / 50...150			
40 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000 / 1500			
309			
150			
	8 kV / 3		
	B13 / V-0		
<b>Rated connection</b>			
50...185 / 50...185			
50...185 / 50...150			
40 / 1.0 x 5.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	Blue
	yellow/black
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 150/185	5	2728700000
A2C 150/185 BL	5	2728710000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 150/185 FE	5	2728720000

**Accessories**

<b>Cross connections insertable</b>	
	2-pole
	3-pole
<b>Additional tap</b>	
	dark beige
	blue
	black/yellow
	green/yellow
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Warning labels</b>	
<b>Marking tags</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 150/185N/2	232 A	5 2728840000
ZQV 150/185N/3	232 A	5 2728850000
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 150/185N/2	232 A	5 2728840000
ZQV 150/185N/3	232 A	5 2728850000
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue



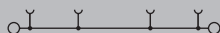
A2C 150/185-DM

150 mm<sup>2</sup>



Q3  
2023

34 x 151 x 98  
309 / 185  
25...185



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500			
309			
150			
	8 kV / 3		
	B13 / V-0		

Rated connection

50...185 / 50...185  
50...185 / 50...150  
40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 150/185-DM	1	2728770000
A2C 150/185 BL-DM	5	2728780000

Type	Qty.	Order No.
ZQV 150/185N/2	232 A	5 2728840000
ZQV 150/185N/3	232 A	5 2728850000
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

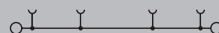
A2C 150/185 FE-DM

150 mm<sup>2</sup>



Q3  
2023

34 x 151 x 98  
309 / 185  
25...185



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500			
309			
150			
	8 kV / 3		
	B13 / V-0		

Rated connection

50...185 / 50...185  
50...185 / 50...150  
40 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 150/185 FE-DM	5	2728790000

Type	Qty.	Order No.
ZQV 150/185N/2	232 A	5 2728840000
ZQV 150/185N/3	232 A	5 2728850000
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
WEW 35/1	50	1059000000
ATPG 1.5-10 L	0.2 A	50 1991890000
PS 2.0 MC	20	0310000000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000



**Power feed-in  
PUSH IN connection**

Application range

**Terminal blocks for rail mounting**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V/V DC
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
Clamping range 50 mm <sup>2</sup> / 70 mm <sup>2</sup>	
	dark beige
	dark beige, blue
	dark beige, black/yellow
	dark beige, blue, black/yellow
Clamping range 95 mm <sup>2</sup> / 120 mm <sup>2</sup>	
	dark beige
	dark beige, blue
	dark beige, black/yellow
	dark beige, blue, black/yellow
Clamping range 150 mm <sup>2</sup> / 185 mm <sup>2</sup>	
	dark beige
	dark beige, blue
	dark beige, black/yellow
	dark beige, blue, black/yellow
Note	

**Accessories**

Additional tap	
	dark beige
	blue
	black/yellow
	green/yellow
End bracket	
	dark beige, screwable
Screwdriver	
	Standard
Warning labels	
Marking tags	

For detailed information on other accessories and application in the online catalogue

**A2C ... 3FT**

**50 mm<sup>2</sup>**



60 x 101.5 x 80.5	
<b>150 / 70</b>	
<b>10...70</b>	

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			
Rated connection			
10...70 / 10...70			
10...70 / 10...50			
30 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

Type	Qty.	Order No.
A2C 50/70 3FT	1	2663320000
A2C 50/70 3FT-N	1	2663300000
A2C 95/120 3FT	1	2694140000
A2C 95/120 3FT-N	1	2694120000
A2C 150/185 3FT	1	2728760000
A2C 150/185 3FT-N	1	2728740000
You will find the technical data on the individual products.		

Type	Qty.	Order No.
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

For detailed information on other accessories and application in the online catalogue

**A2C ... 3FT-FE**

**50 mm<sup>2</sup>**



80 x 101.5 x 80.5	
<b>150 / 70</b>	
<b>10...70</b>	

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			
Rated connection			
10...70 / 10...70			
10...70 / 10...50			
30 / 1.0 x 5.5 mm			
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.			

Type	Qty.	Order No.
A2C 50/70 3FT-FE	1	2663310000
A2C 50/70 3FT-N-FE	1	2663290000
A2C 95/120 3FT-FE	1	2694130000
A2C 95/120 3FT-N-FE	1	2694100000
A2C 150/185 3FT-FE	1	2728750000
A2C 150/185 3FT-N-FE	5	2728730000
You will find the technical data on the individual products.		

Type	Qty.	Order No.
AAC 50-185 2X10	57 A 5	2663420000
AAC 50-185 2X10 BL	57 A 5	2663430000
AAC 50-185 2X10 BK-YL	57 A 5	2663450000
AAC 50-185 2X10 GN-YL	57 A 5	2663440000
AEB 35 SC/1	50	1991920000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

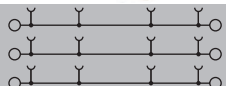
For detailed information on other accessories and application in the online catalogue

A2C ... 3FT DM

50 mm<sup>2</sup>



60 x 134 x 80.5  
150 / 70  
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			



Rated connection

10...70 / 10...70

10...70 / 10...50

30 / 1.0 x 5.5 mm

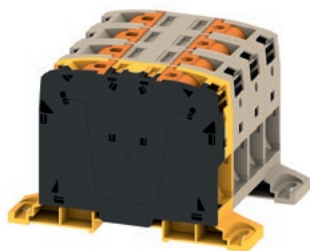
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 50/70 3FT-DM	1	2663390000
A2C 50/70 3FT-N-DM	1	2663370000
A2C 95/120 3FT-DM	1	2694230000
A2C 95/120 3FT-N-DM	1	2694200000
A2C 150/185 3FT-DM	1	2728830000
A2C 150/185 3FT-N-DM	1	2728810000
You will find the technical data on the individual products.		

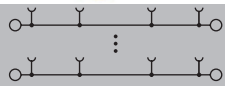
Type	Qty.	Order No.
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

A2C ... 3FT-FE DM

50 mm<sup>2</sup>



80 x 134 x 80.5  
150 / 70  
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000 / 1500	1000	1000	
150	175	175	
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			



Rated connection

10...70 / 10...70

10...70 / 10...50

30 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 50/70 3FT-FE-DM	1	2663380000
A2C 50/70 3FT-N-FE-DM	1	2663360000
A2C 95/120 3FT-FE-DM	1	2694220000
A2C 95/120 3FT-N-FE-DM	1	2694180000
A2C 150/185 3FT-FE-DM	1	2728820000
A2C 150/185 3FT-N-FE-DM	5	2728800000
You will find the technical data on the individual products.		

Type	Qty.	Order No.
AAC 50-185 2X10	57 A	5 2663420000
AAC 50-185 2X10 BL	57 A	5 2663430000
AAC 50-185 2X10 BK-YL	57 A	5 2663450000
AAC 50-185 2X10 GN-YL	57 A	5 2663440000
SDS 1.0X5.5X150	1	2749380000
AAM 35-185 YE FLASH	40	2635600000
WS-A 8/16 MM WS	200	2619910000

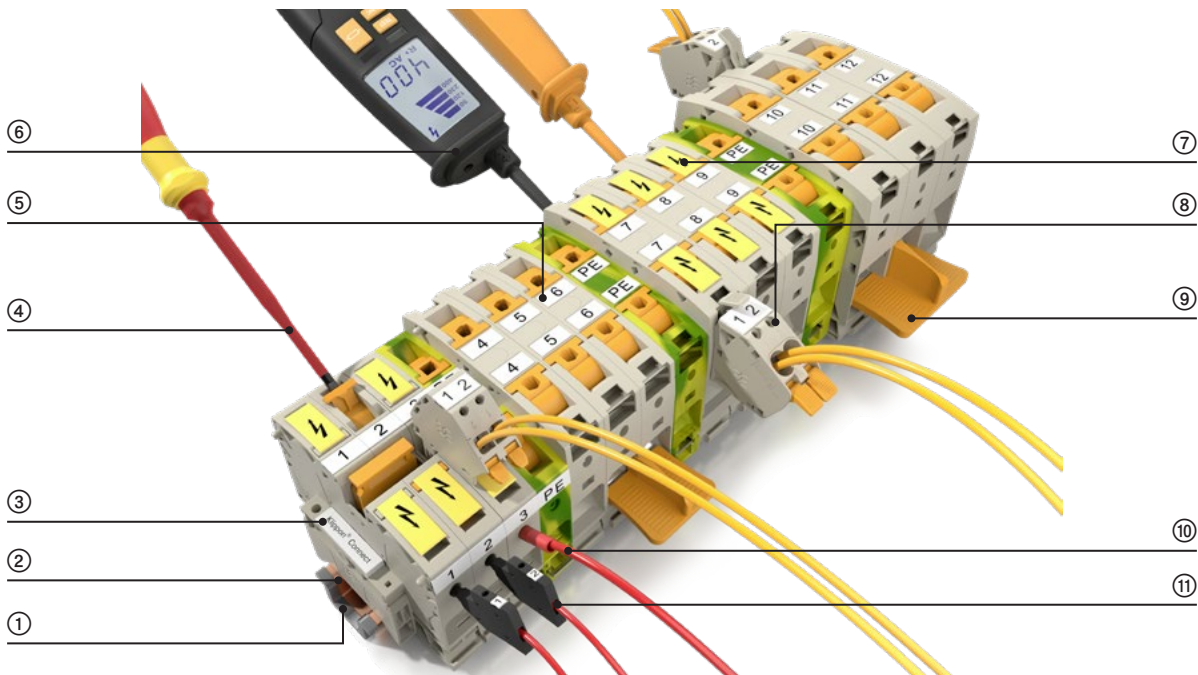


## Mounting in compliance with norms

Thanks to precisely matched accessories for the A2C 50/70 to A2C 150/185

When assembling terminal blocks and equipping panels you must be able to rely on the fact, that the accessories are also perfectly matched. Only then can the processes run smoothly and productively. Correspondingly there are high requirements for mounting rails, cross-connections and cover plates as well as additional connections. They must comply with numerous norms and protective provisions.

The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms.

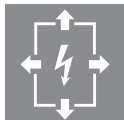


Number	Description	Type	Rated voltage	Rated Current	Dimensions	Colour	Qty.	Order No.
1	End cap mounting rail	TS END CAP 35X15			37.5 x 16.5 x 7 mm	grey	100	1283480000
2	Mounting rail	TS 35X15/2.3M/CU/BK			35 x 15 x 2000 mm		2	0270100000
3	End brackets	AEB 35 SC/1			8 x 58 x 36 mm	dark beige	50	1991920000
4	Screwdriver	SDS 1.0X5.5X150			1.0 x 5.5 x 150 mm	black/orange	1	2749380000
5	Terminal block marker	WS-A 8/16 MM WS			8 x 16 mm	white	200	2619910000
6	Voltage tester	VT DIGI PRO	1000 V AC / 1000 V DC		264 x 33 x 67 mm	black/orange	1	9918870000
7	Flash cover	AAM 35-185 YE FLASH			12 x 23.5 x 6.8 mm	yellow	40	2635600000
8	Additional voltage tap	AAC 50-185 2X10	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	dark beige	5	2749380000
8	Additional voltage tap	AAC 50-185 2X10 BK-YL	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	black/yellow	5	2663430000
8	Additional voltage tap	AAC 50-185 2X10 GN-YL	1000 V AC / 1500 V DC	57 A	20 x 50.5 x 42.5 mm	green/yellow	5	2663440000
9	Cross connection	ZQV 150/185N/2	1000 V AC / 1500 V DC	232 A	88.32 x 82.26 x 25.6 mm	orange	5	2728840000
9	Cross connection	ZQV 150/185N/3	1000 V AC / 1500 V DC	232 A	57.32 x 82.26 x 25.6 mm	orange	5	2728850000
9	Cross connection	ZQV 95/120N/2	1000 V AC / 1500 V DC	232 A	48.07 x 76.91 x 22.5 mm	orange	10	2694250000
9	Cross connection	ZQV 95/120N/3	1000 V AC / 1500 V DC	232 A	73.07 x 76.91 x 22.5 mm	orange	10	2694260000
9	Cross connection	ZQV 50/70N/2	1000 V AC / 1500 V DC	150 A	38.13 x 68.18 x 17.1 mm	orange	10	2663400000
10	Test probe	PS 2.0 MC	250 V AC / 250 V DC	0.2 A	4.3 x 4.3 x 27 mm	red	20	0310000000
11	Test probe	ATPG 1.5-10 L	250 V AC / 250 V DC	0.2 A	3.5 x 15.5 x 52 mm	black	50	1991890000



## The secure and efficient way of distributing power

### Klippon® Connect provides the required flexibility



Safe power supply to equipment such as motors is decisive for the availability of plants and machines. The use of increasingly large wire cross-sections and restricted space in the panel is increasing the demands on terminal blocks and distribution blocks and posing new challenges for panel planners. Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.

#### Our promise

Rapid installation and flexible combination options with Klippon® Connect, for simple, space-saving installation and increased productivity in the construction of switchgear and panel. This makes the design of your power distribution system noticeably more efficient.

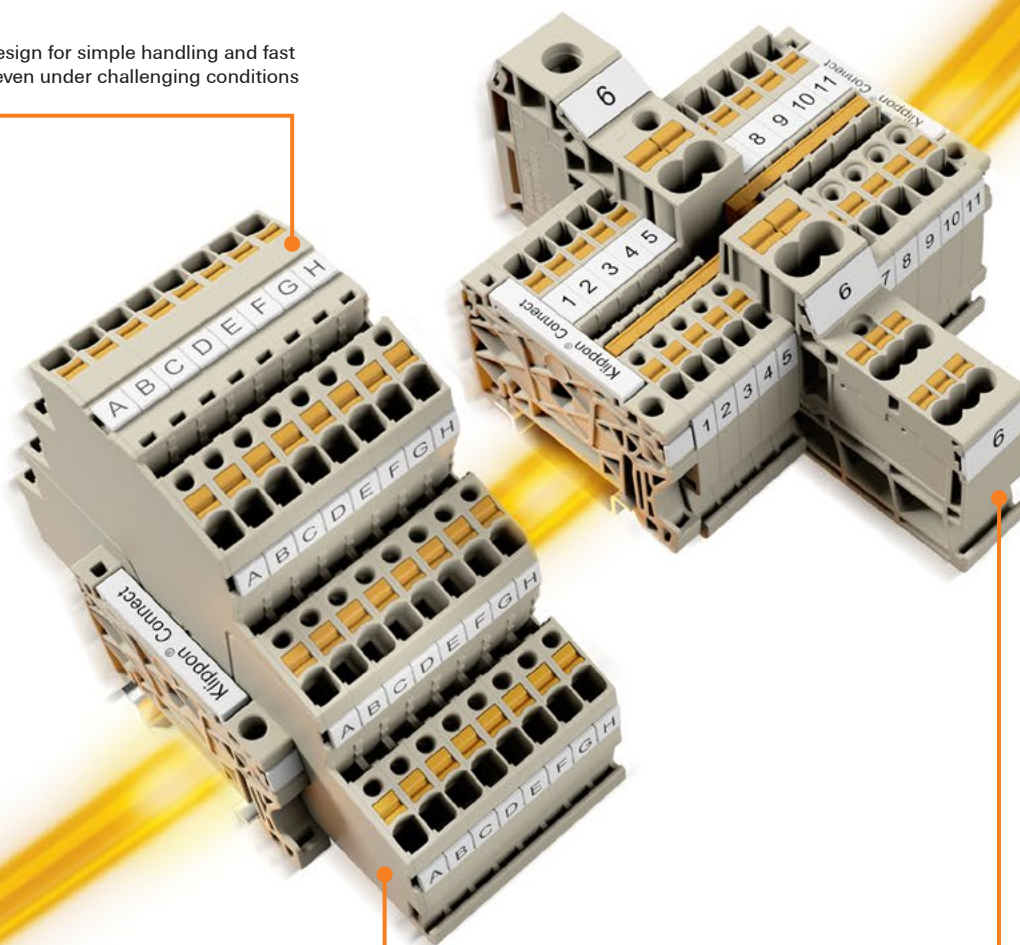
B





**Time saving**

- Optimised design for simple handling and fast installation, even under challenging conditions

**Flexibility**

- Range of possible combinations for each requirement
- Can be used around the world thanks to international approvals

**Space saving**

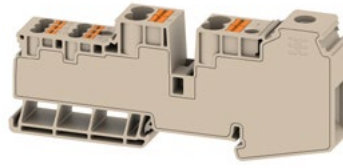
- Space-saving format and variety of functions in a single design
- Flexible expansion thanks to series arrangement and cross connection



Power distribution  
Hybrid connection

AWPD 35 4X6/6X2.5

35 mm<sup>2</sup>



AWPD 35 4X10

35 mm<sup>2</sup>



Width / Height / Depth	mm
max. current / max. conductor	A / mm <sup>2</sup>
max. clamping range	mm <sup>2</sup>

16.2 x 125 x 50

Screw 35 mm <sup>2</sup>	PUSH IN 35 mm <sup>2</sup>	PUSH IN 6 mm <sup>2</sup>
105 / 35	24 / 2.5	41 / 6
1.5...35	0.14...2.5	0.5...6

16.2 x 95 x 60

Screw 35 mm <sup>2</sup>	PUSH IN 10 mm <sup>2</sup>
105 / 35	50 / 10
1.5...35	1...10

Technical data

Rated voltage	Screw 35 mm <sup>2</sup>	V
	PUSH IN 2.5 mm <sup>2</sup>	V
	PUSH IN 6 mm <sup>2</sup>	V
	PUSH IN 10 mm <sup>2</sup>	V
Rated current	Screw 35 mm <sup>2</sup>	A
	PUSH IN 2.5 mm <sup>2</sup>	A
	PUSH IN 6 mm <sup>2</sup>	A
	PUSH IN 10 mm <sup>2</sup>	A
for wire cross-section	Screw 35 mm <sup>2</sup>	mm <sup>2</sup>
	PUSH IN 2.5 mm <sup>2</sup>	mm <sup>2</sup>
	PUSH IN 6 mm <sup>2</sup>	mm <sup>2</sup>
	PUSH IN 10 mm <sup>2</sup>	mm <sup>2</sup>

IEC 60947-1

IEC	UL	CSA
1000	600	
1000	600	
1000	600	
110	105	
24	40	
41	20	
35	AWG 14...2	
2.5	AWG 20...8	
6	AWG 22...12	

IEC 60947-1

IEC	UL	CSA
1000	600	
1000	600	
1000	600	
110	105	
57	50	
35	AWG 14...2	
10	AWG 20...6	

Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
flexible / flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm / mm
Tightening torque	Nm

Screw 35 mm <sup>2</sup>	PUSH IN 2.5 mm <sup>2</sup>	PUSH IN 6 mm <sup>2</sup>
8kV / 3	8kV / 3	8kV / 3
B9	A3	A5
V-0	V-0	V-0
<b>CE cULus</b>		
Screw 35 mm <sup>2</sup>	PUSH IN 2.5 mm <sup>2</sup>	PUSH IN 6 mm <sup>2</sup>
1.5...35 / 1.5...35	0.5...4 / 0.14...2.5	0.5...10 / 0.5...6
1.5...35 / 1.5...35	0.5...2.5 / 0.5...2.5	0.5...6 / 0.5...6
17 / 1 x 5.5	10 / 0.6 x 3.5	12 / 1 x 5.5
2.5		

Screw 35 mm <sup>2</sup>	PUSH IN 10 mm <sup>2</sup>
8kV / 3	8kV / 3
B9	A6
V-0	V-0
<b>CE cULus</b>	
Screw 35 mm <sup>2</sup>	PUSH IN 10 mm <sup>2</sup>
1.5...35 / 1.5...35	1...10 / 1...10
1.5...35 / 1.5...35	1...10 / 1...10
17 / 1 x 5.5	18 / 1 x 5.5
2.5	

Ordering data

Version	dark beige
	blue

Type	Qty.	Order No.
AWPD 35 4X6/6X2.5	20	2728620000
AWPD 35 4X6/6X2.5 BL	20	2860560000

Type	Qty.	Order No.
AWPD 35 4X10	20	2728630000
AWPD 35 4X10 BL	20	2860570000

Accessories

Pluggable cross-connection	
for 1.5 mm <sup>2</sup>	2-pole
	10-pole
for 2.5 mm <sup>2</sup>	2-pole
	10-pole
for 6 mm <sup>2</sup>	2-pole
	10-pole
for 6 mm <sup>2</sup>	2-pole
	10-pole
End bracket	
	dark beige
Test adapter	
	1-pole
	1-pole
Screwdriver	
for 2.5 mm <sup>2</sup> PUSH IN	Standard
for 6 mm <sup>2</sup> PUSH IN	Standard
for 10 mm <sup>2</sup> PUSH IN	Standard
for 35 mm <sup>2</sup> Schraube	Standard
Identification systems	

Type	Rated current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
ZQV 6N/10	41 A	20	1985780000
AEB 35 SCL/1 VO		50	2661280000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIS 0.6X3.5X100		1	2749810000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
DEK 8/5 MM WS	800		2007150000
WS-A 8/16 MM WS	200		2619910000

Type	Rated current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
ZQV 6N/10	41 A	20	1985780000
AEB 35 SCL/1 VO		50	2661280000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIS 0.6X3.5X100		1	2749810000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
SDIS 1.0X5.5X125		1	2749850000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
DEK 8/5 MM WS	800		2007150000
WS-A 8/16 MM WS	200		2619910000

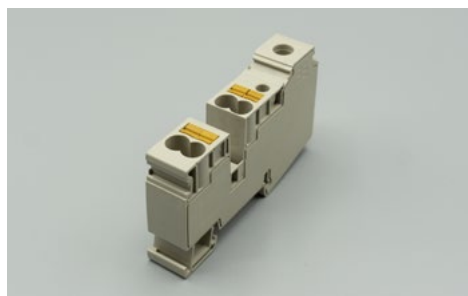
For detailed information on other accessories and application in the online catalogue

### AWPD potential distribution terminal block

The potential distribution terminal block AWPD 35 can be fed by wires of crosssection 1.5 - 35 mm<sup>2</sup>. Over standard cross-connections the potential is distributed over any number of terminals blocks of smaller crosssection. Some variants for potential distribution during feed-in are indicated in the table below, including the cross-connection which can be used and the maximum current allowed.



### Integrated into separation plate



#### Maximum current flow $I_{max}$ only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right
AWPD 35 4X10	ZQV 6N	35 mm <sup>2</sup>	82 A

#### Maximum current flow $I_{max}$ only with AWPD 35 4X6/6X2.5

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right
AWPD 35 4X6/6X2.5	ZQV 6N	35 mm <sup>2</sup>	82 A

#### Maximum current flow $I_{max}$ only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
AWPD 35 4X10	ZQV 6N	35 mm <sup>2</sup>	41 A	82 A

#### Maximum current flow $I_{max}$ only with AWPD 35 4X6/6X2.5

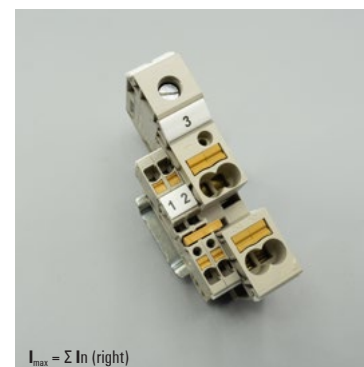
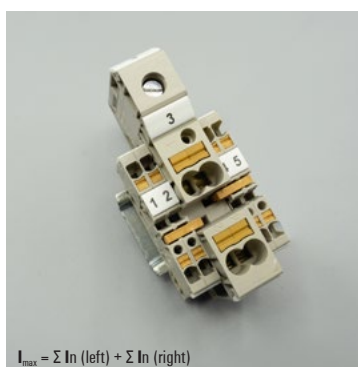
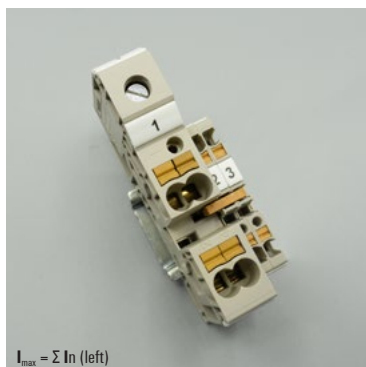
Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
AWPD 35 4X6/6X2.5	ZQV 6N	35 mm <sup>2</sup>	41 A	82 A

#### Maximum current flow $I_{max}$ only with AWPD 35 4X6/6X2.5

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A3C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A4C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A2C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A3C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A4C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A2C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A3C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A4C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A2C 6	ZQV 6N	35 mm <sup>2</sup>	76 A	82 A
A3C 6	ZQV 6N	35 mm <sup>2</sup>	76 A	82 A

#### Maximum current flow $I_{max}$ only with AWPD 35 4X10

Output terminal	Cross-connection	Wire cross-section Feed-in	Feed-in left or right	Feed-in centred
A2C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A3C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A4C 1.5	ZQV 1.5N	35 mm <sup>2</sup>	48 A	72 A
A2C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A3C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A4C 2.5	ZQV 2.5N	35 mm <sup>2</sup>	68 A	76 A
A2C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A3C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A4C 4	ZQV 4N	35 mm <sup>2</sup>	76 A	76 A
A2C 6	ZQV 6N	35 mm <sup>2</sup>	76 A	82 A
A3C 6	ZQV 6N	35 mm <sup>2</sup>	76 A	82 A





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

### Note

### Ordering data

<b>Version</b>	dark beige
<b>Note</b>	

### Accessories

<b>Plug-in cross-connection</b>	
	2-pole
	10-pole
<b>Vertical jumpers</b>	
	1-pole
<b>End plate</b>	
	dark beige
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

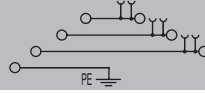
For detailed information on other accessories and application in the online catalogue

### AMC 2.5

2.5 mm<sup>2</sup>



5.1 x 107.5 x 88
<b>22 / 2.5</b>
<b>0.14...2.5</b>



DIN EN 60947-7-1, DIN EN 60947-7-2

Ex eb II  
C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
690	150	150	440
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

TUEV16ATEX7909U

<b>Rated connection</b>	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
AMC 2.5	50	2434340000

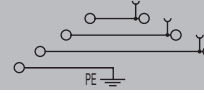
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ZVQ 2.5/1.5	24 A 50	1720700000
AEP MC 2.5	25	2433820000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000

### AMC 2.5 800 V

2.5 mm<sup>2</sup>



6.1 x 107.5 x 88
<b>22 / 2.5</b>
<b>0.14...2.5</b>



DIN EN 60947-7-1, DIN EN 60947-7-2

Ex eb II  
C Gb II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	440
22	20	20	19
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

TUEV16ATEX7909U

<b>Rated connection</b>	
0.5...2.5 / 0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

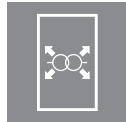
Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

Type	Qty.	Order No.
ZVQ 2.5/1.5	24 A 50	1720700000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000
SNAPMARK I	50	1805880000



## Safe supply to equipment in the panel

### Klippon® Connect for optimum control voltage distribution



For power supplies to equipment in the panel, there is an increased risk of incorrect connections because of the large number of conductors. Our tailored AAP potential distribution terminal blocks and the maxGUARD modular system with built-in electronic load monitoring offer ideal solutions for surge current protection and clear, structured power distribution within control voltage circuits. The considerable space saving and reduced wiring means you can guarantee supply to your panel equipment simply and effectively.

#### Our promise

For complex wiring projects in confined spaces, we offer a future-oriented strategy for central potential distribution with direct wiring option for all the device's plus and minus potentials. This means that Klippon® Connect makes planning and implementing your control voltage distribution system considerably more productive.

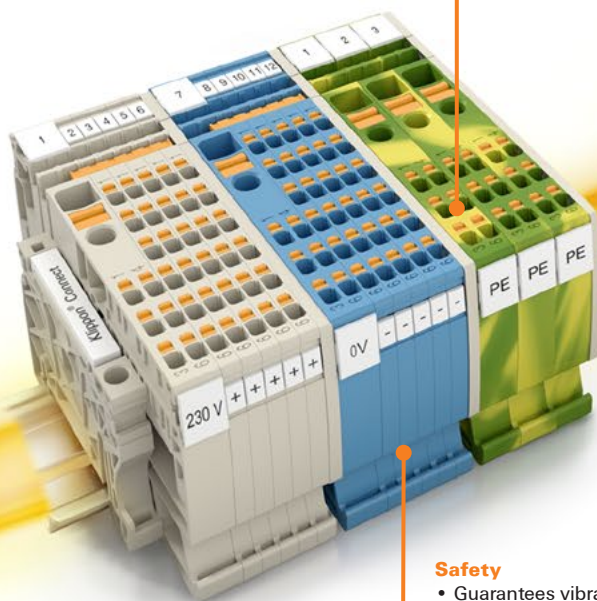


**Space saving**

- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads

**Time saving**

- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator

**Safety**

- Guarantees vibration-resistant and gas-tight connections
- Pusher and clear design to prevent mis-connection

**Flexibility**

- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

# Individual configuration for each control cabinet type

## The modular terminal block system for control voltage distribution

### Professional marking

Large marking areas in combination with our marking solutions ensure precise identification of the individual terminal blocks.

### Convenient feed-in terminal block

A distinguishable power terminal offers a simple powersupply into the system.

### Integrated test point

The integrated test and inspection tap enables quick and easy testing with standard size 2.0 probes and test plugs.

### Double connection on power feed in terminal block

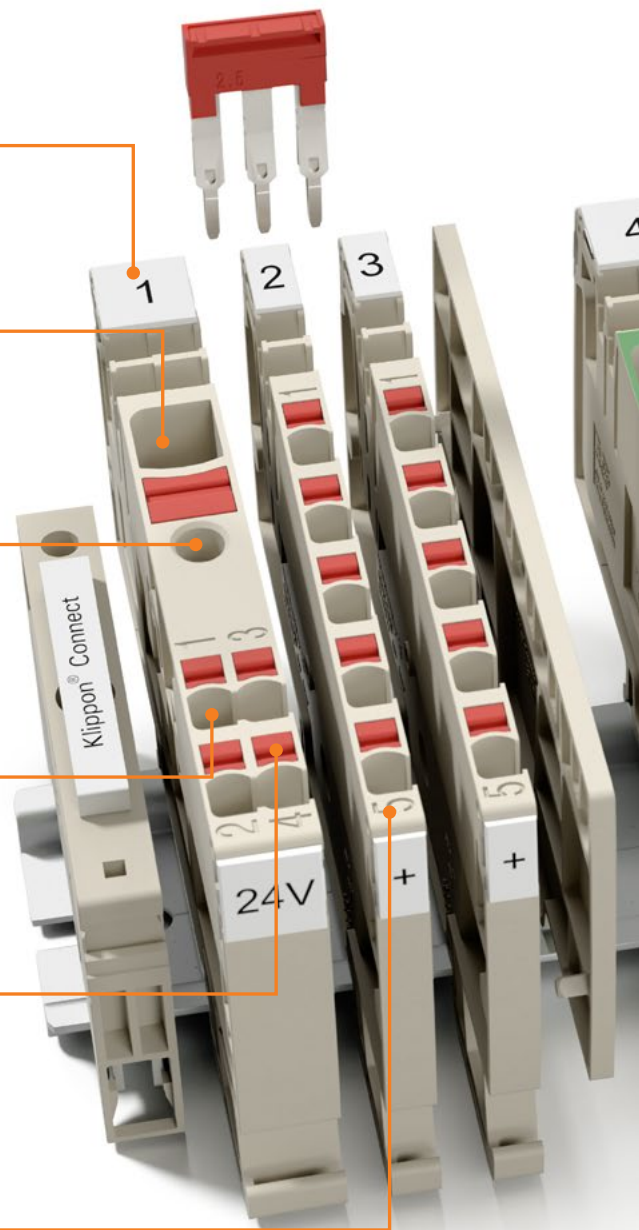
Additional connections on the feed in terminal block save components and assembly time. Depending on the system structure, additional space savings of 3.5 or 5.1 mm can be achieved.

### Coloured pushers

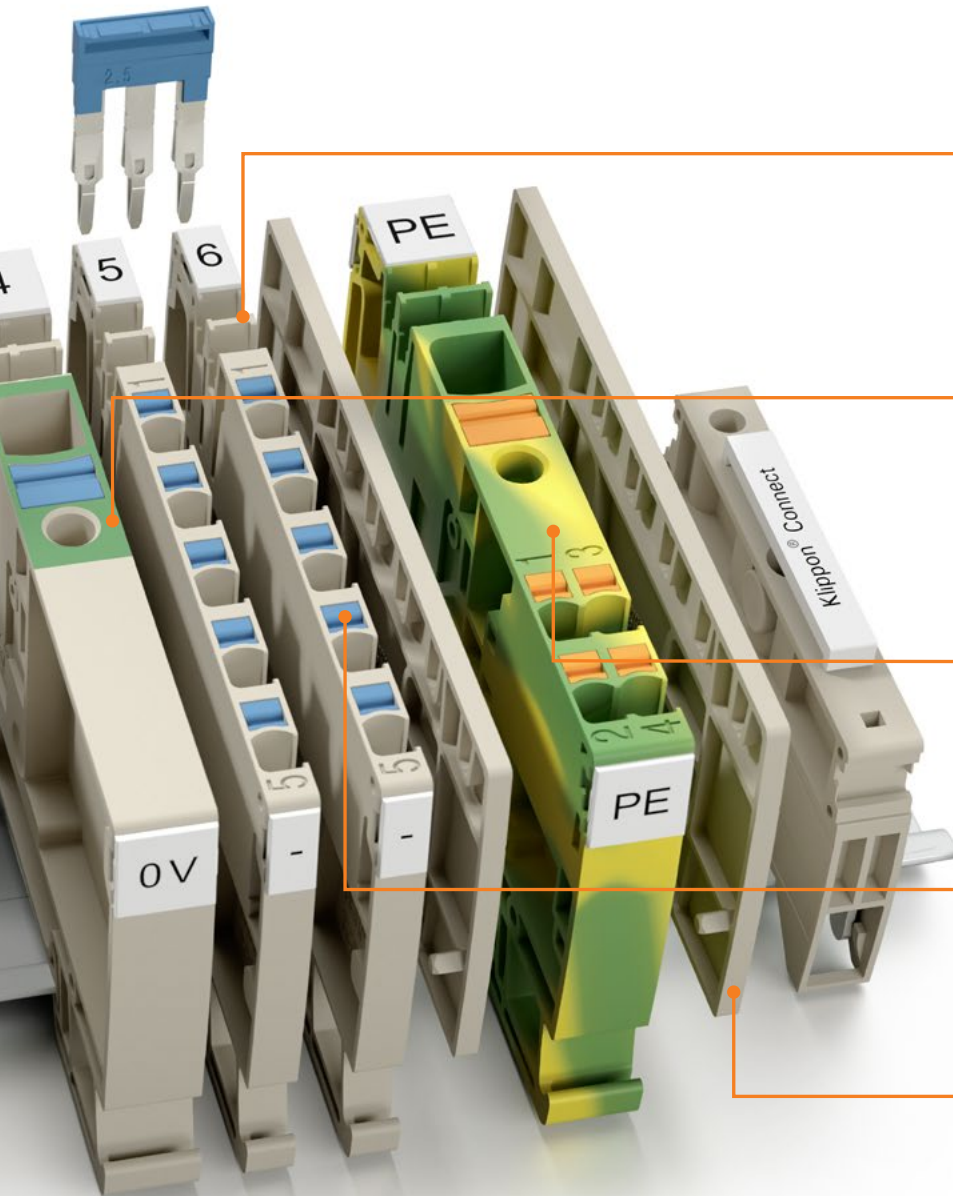
The colour coding can easily distinguish the different potentials. Oversight saves time and costs for maintenance and troubleshooting.

### Distinct contact identification

Each contact point on the terminal block has a distinct mark such that it can be assigned unambiguously to the connection point in the circuit diagram.







**Two cross-connection channels**

The modular system allows an additional terminal block to be attached and expanded via an additional cross-connection in the second cross-connection channel.

**Optional FE variants**

The FE terminals have a contact to the DIN rail underneath, which serves as zero adjustment of the potentials.

**PE - Protective earth terminal block**

Terminal blocks for connecting protective earth conductors completes the AAP system (plus, minus and PE). The power terminals with protective conductor functions comply with the IEC 60947-7-2 standard.

**Clear distribution terminal block**

Easily identifiable terminals to distribute power to individual branch circuits.

**Robust end plates**

The end plates ensure finger safety and separation of the different potentials.

B



**Control voltage distribution**  
**PUSH IN connection**

**AAP - potential distribution terminal blocks**

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

Version	
	beige / red pusher
	beige / blue pusher
	beige / orange pusher
	beige / white pusher
	green-yellow / orange pusher
	blue / orange pusher
	green / orange pusher
<b>Note</b>	

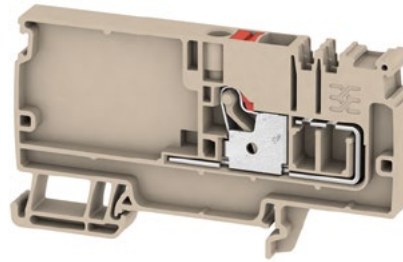
**Accessories**

Plug-in cross-connection	
	2-pole/ red
	10-pole/ red
	2-pole/ blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

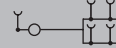
For detailed information on other accessories and application in the online catalogue

**AAP11 6 LO**

**6 mm<sup>2</sup>**



8.1 x 85.5 x 47
<b>41 / 6</b>
<b>0.34...6</b>



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
41	36	36	
6	AWG 22...8	AWG 22...8	
6 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
<b>Note</b>			

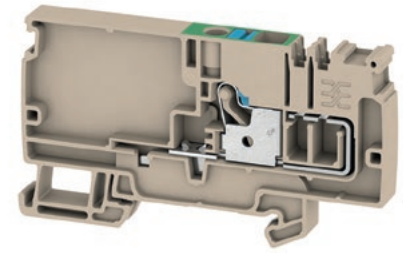
Type	Qty.	Order No.
AAP11 6 LO RD	20	1989780000
AAP11 6 LO BL	20	1988130000
AAP11 6 LO OR	20	2503650000
AAP11 6 LO WT	20	2683430000
AAP11 6 LO BL/OR	20	2522720000
AAP11 6 LO GN/OR	20	2718300000
<b>Note</b>		

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP11	20	1988320000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000
<b>Note</b>		

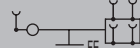
For detailed information on other accessories and application in the online catalogue

**AAP11 6 FE**

**6 mm<sup>2</sup>**



8.1 x 85.5 x 47
<b>/ 6</b>
<b>0.34...6</b>



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	300	300	
6	AWG 22...8	AWG 22...8	
6 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
<b>Note</b>			

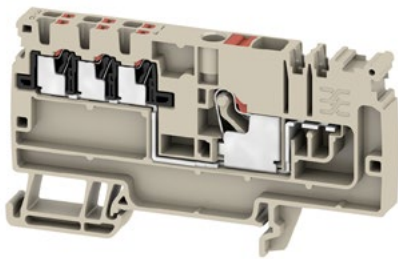
Type	Qty.	Order No.
AAP11 6 FE	20	1988140000
<b>Note</b>		

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP11	20	1988320000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000
<b>Note</b>		

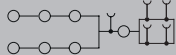
For detailed information on other accessories and application in the online catalogue

AAP11 6/6X1.5 LO-LI

6 mm<sup>2</sup>



8.1 x 85.5 x 47  
41 / 6  
0.34...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
41	38	38	
6	AWG 26...8	AWG 26...8	
6 kV / 3			
A5 / V-0			

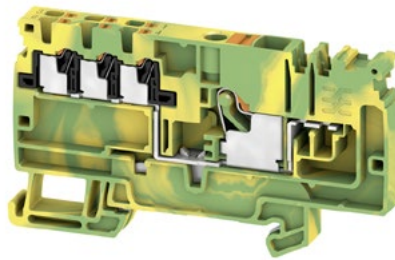


Rated connection

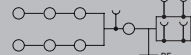
0.5...6 / 0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5 mm

AAP11 6/6X1.5 PE-LI

6 mm<sup>2</sup>



8.1 x 85.5 x 47  
/ 6  
0.34...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	300		
6	AWG 26...8	AWG 26...8	
6 kV / 3			
A5 / V-0			

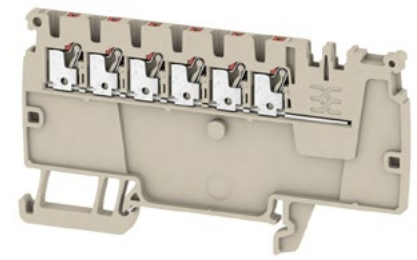


Rated connection

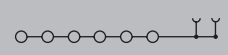
0.5...6 / 0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5 mm

AAP11 1.5 LI

1.5 mm<sup>2</sup>



3.5 x 85.5 x 47  
17.5 / 1.5  
0.14...1.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
17.5	13	13	
1.5	AWG 26...14	AWG 26...14	
6 kV / 3			
A1 / V-0			



Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AAP11 6/6X1.5 LO-LI RD	20	2464690000
AAP11 6/6X1.5 LO-LI BL	20	2464750000
AAP11 6/6X1.5 LO-LI OR	20	2503870000
AAP11 6/6X1.5 LO-LI WT	20	2712960000
AAP11 6/6X1.5 LO-LI BL/OR	20	2522830000

Type	Qty.	Order No.
AAP11 6/6X1.5 PE-LI	20	2464740000

Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000
AAP11 1.5 LI OR	50	2503910000
AAP11 1.5 LI WT	50	2683440000
AAP11 1.5 LI BL/OR	50	2522870000
AAP11 1.5 LI GN/OR	50	2614100000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP11	20	1988320000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP11	20	1988320000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP11	20	1988320000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
SDIS 0.4X2.0X60	1	2749780000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	beige / red and blue pusher
	beige / orange and orange pusher
Note	

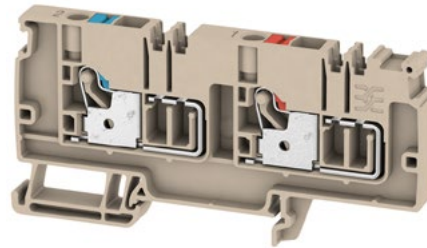
#### Accessories

Plug-in cross-connection	
	2-pole/ red
	10-pole/ red
	2-pole/ blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

For detailed information on other accessories and application in the online catalogue

### AAP13 6 LO-LO

6 mm<sup>2</sup>



8.1 x 96 x 47	
41 / 6	
0.34...6	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	
41	36	36	
6	AWG 22...8	AWG 22...8	
4 kV / 3			
A5 / V-0			



#### Rated connection

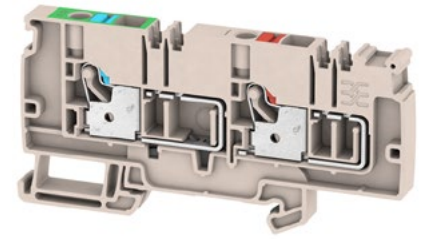
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP13 6 LO-LO	20	1988260000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP13	20	1990140000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

### AAP13 6 FE-LO

6 mm<sup>2</sup>



8.1 x 96 x 47	
41 / 6	
0.34...6	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250	150	150	
41	36	36	
6	AWG 22...8	AWG 22...8	
4 kV / 3			
A5 / V-0			



#### Rated connection

0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP13 6 FE-LO	20	1988270000

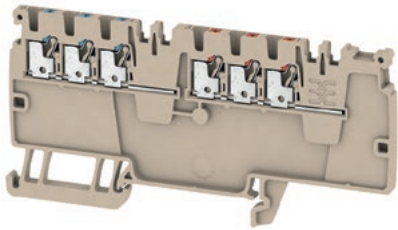
Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP AP13	20	1990140000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK-A 5/8 MM WS	500	2448860000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

For detailed information on other accessories and application in the online catalogue



**AAP13 1.5 LI-LI**

**1.5 mm<sup>2</sup>**



3.5 x 96 x 47  
**16 / 1.5**  
**0.14...1.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	
16	13	13	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A1 / V-0			



**Rated connection**

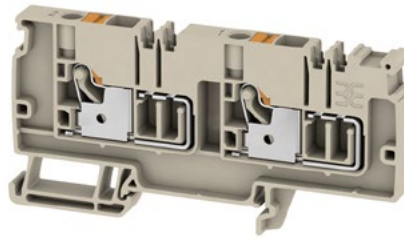
0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AAP13 1.5 LI-LI	50	<b>1988280000</b>

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A 20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A 60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A 20	<b>1985680000</b>
AEP AP13	20	<b>1990140000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
SDIS 0.4X2.0X60	1	<b>2749780000</b>
WS 8/3.5 MM WS	1000	<b>2007140000</b>
DEK 5/3.5 MM WS	1000	<b>2007100000</b>
DEK 5/3.5 PLUS MC NE WS	1600	<b>2003750000</b>

**AAP13 6 LO-LO OR**

**6 mm<sup>2</sup>**



8.1 x 96 x 47  
**41 / 6**  
**0.34...6**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
4 kV / 3			
A5 / V-0			



**Rated connection**

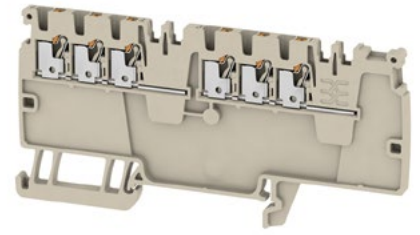
0.5...6 / 0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP13 6 LO-LO OR	20	<b>2623910000</b>

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A 20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A 60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A 20	<b>1985680000</b>
AEP AP13	20	<b>1990140000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
DEK-A 5/8 MM WS	500	<b>2448860000</b>
WS-A 8/8 MM WS	500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS	800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS	420	<b>1905950000</b>

**AAP13 1.5 LI-LI OR**

**1.5 mm<sup>2</sup>**



3.5 x 96 x 47  
**16 / 1.5**  
**0.14...1.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
16			
1.5			
A1 / V-0			



**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 /

Type	Qty.	Order No.
AAP13 1.5 LI-LI OR	50	<b>2623920000</b>

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A 20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A 60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A 20	<b>1985680000</b>
AEP AP13	20	<b>1990140000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
SDIS 0.4X2.0X60	1	<b>2749780000</b>
WS 8/3.5 MM WS	1000	<b>2007140000</b>
DEK 5/3.5 MM WS	1000	<b>2007100000</b>
DEK 5/3.5 PLUS MC NE WS	1600	<b>2003750000</b>



## Control voltage distribution PUSH IN connection

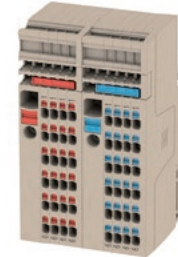
### AAP – potential distribution terminal blocks

#### SET AAP11 6/1.5/12C

6 mm<sup>2</sup>

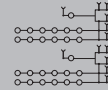
#### SET AAP11 6/1.5/24C

6 mm<sup>2</sup>

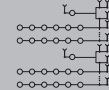


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

35 x 85.5 x 47  
**35 / 6**  
**0.34...6**



49 x 85.5 x 47  
**41 / 6**  
**0.34...6**



### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
35			
6			
		6 kV / 3	
		A5 / V-0	
CE			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
		6 kV / 3	
		A5 / V-0	
CE			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			

### Ordering data

Version
Note

Type	Qty.	Order No.
SET AAP11 6/1.5/12C	1	2506090000
Note		

Type	Qty.	Order No.
SET AAP11 6/1.5/24C	1	2506370000
Note		

### Accessories

Plug-in cross-connection	
	2-pole / red
	10-pole / red
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Tools	
	Tester
Marking tags	

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
AEB 35 SC/1		
	50	1991920000
AEB 35 SCL/1 VO		
	20	2661280000
ZUB MULTIMETER		
	1	9205270000
WS 8/3.5 MM WS		
	1000	2007140000
DEK 5/3.5 PLUS MC NE WS		
	1600	2003750000
WS-A 8/8 MM WS		
	500	2448930000
DEK 5/8 PLUS MC NE WS		
	800	1046350000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
AEB 35 SC/1		
	50	1991920000
AEB 35 SCL/1 VO		
	20	2661280000
ZUB MULTIMETER		
	1	9205270000
WS 8/3.5 MM WS		
	1000	2007140000
DEK 5/3.5 PLUS MC NE WS		
	1600	2003750000
WS-A 8/8 MM WS		
	500	2448930000
DEK 5/8 PLUS MC NE WS		
	800	1046350000

For detailed information on other accessories and application in the online catalogue

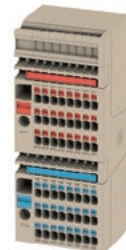
AAP – potential distribution terminal blocks

SET AAP13 6/1.5/12C

6 mm<sup>2</sup>

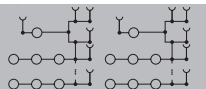
SET AAP13 6/1.5/24C

6 mm<sup>2</sup>

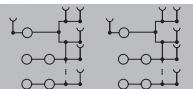


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

24.5 x 96 x 47  
41 / 6  
0.34...6



38.5 x 96 x 47  
41 / 6  
0.34...6



Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
		4 kV / 3	
		A5 / V-0	

CE

Rated connection	
0.5...6 / 0.5...6	
0.5...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
		4 kV / 3	
		A5 / V-0	

CE

Rated connection	
0.5...6 / 0.5...6	
0.5...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

Note

Ordering data

Version
Note

Type	Qty.	Order No.
SET AAP13 6/1.5/12C	1	2506340000

Type	Qty.	Order No.
SET AAP13 6/1.5/24C	1	2506380000

Accessories

Plug-in cross-connection	
	2-pole / red
	10-pole / red
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Tools	
	Tester
Marking tags	

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ZUB MULTIMETER	1	9205270000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ZUB MULTIMETER	1	9205270000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000
WS-A 8/8 MM WS	500	2448930000
DEK 5/8 PLUS MC NE WS	800	1046350000

For detailed information on other accessories and application in the online catalogue

## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	beige / red pusher
	beige / blue pusher
	beige / orange pusher
	beige / white pusher
	green-yellow / orange pusher
	blue / orange pusher
	green / orange pusher

Note

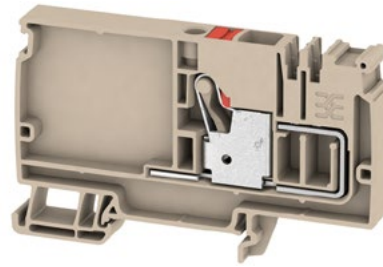
#### Accessories

<b>Plug-in cross-connection</b>	
	2-pole/ red
	10-pole/ red
	2-pole/ blue
	10-pole/ blue
<b>End plate / Partition plate</b>	
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

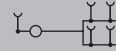
For detailed information on other accessories and application in the online catalogue

### AAP12 10 LO

10 mm<sup>2</sup>



10 x 89 x 53.5
57 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	51	51	
10	AWG 20...6	AWG 20...6	
8 kV / 3			
A6 / V-0			



#### Rated connection

0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

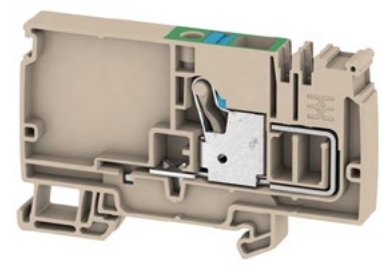
Type	Qty.	Order No.
AAP12 10 LO RD	20	1988190000
AAP12 10 LO BL	20	1988180000
AAP12 10 LO OR	20	2503900000
AAP12 10 LO WT	20	2683450000
AAP12 10 LO BL/OR	20	2522860000
AAP12 10 LO GN/OR	20	2619410000

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP12	20	1988300000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

For detailed information on other accessories and application in the online catalogue

### AAP12 10 FE

10 mm<sup>2</sup>



10 x 89 x 53.5
/ 10
0.5...10



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600	600	
10	AWG 20...6	AWG 20...6	
8 kV / 3			
A6 / V-0			



#### Rated connection

0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AAP12 10 FE	20	1988200000

Type	Qty.	Order No.
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP12	20	1988300000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

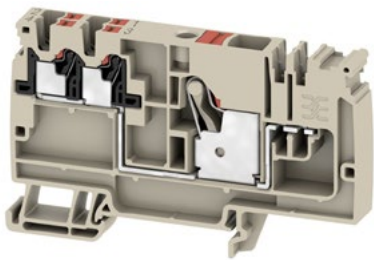
For detailed information on other accessories and application in the online catalogue



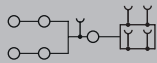


**AAP12 10/4X2.5 10 LO-LI**

**10 mm<sup>2</sup>**



10 x 89 x 53.5  
**57 / 10**  
**0.5...10**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	55	55	
10	AWG 28...6	AWG 28...6	
8 kV / 3			
A6 / V-0			

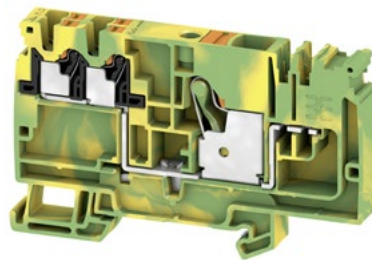


**Rated connection**

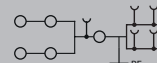
0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

**AAP12 10/4X2.5 PE-LI**

**10 mm<sup>2</sup>**



10 x 89 x 53.5  
**/ 10**  
**0.5...10**



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600		
10	AWG 28...8	AWG 28...8	
8 kV / 3			
A6 / V-0			

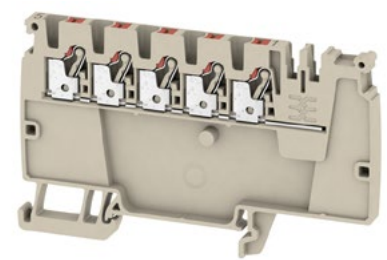


**Rated connection**

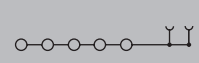
0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

**AAP12 2.5 LI**

**2.5 mm<sup>2</sup>**



5.1 x 89 x 53.5  
**24 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AAP12 10/4X2.5 LO-LI RD	20	2464730000
AAP12 10/4X2.5 LO-LI BL	20	2464720000
AAP12 10/4X2.5 LO-LI OR	20	2503890000
AAP12 10/4X2.5 LO-LI WT	20	2712970000
AAP12 10/4X2.5 LO-LI BL/OR	20	2522850000

Type	Qty.	Order No.
AAP12 10/4X2.5 PE-LI	20	2464710000

Type	Qty.	Order No.
AAP12 2.5 LI RD	50	1988290000
AAP12 2.5 LI BL	50	1988100000
AAP12 2.5 LI OR	50	2503880000
AAP12 2.5 LI WT	50	2683460000
AAP12 2.5 LI BL/OR	50	2522840000
AAP12 2.5 LI GN/OR	50	2614110000

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP12	20	1988300000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP12	20	1988300000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP12	20	1988300000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 10/5 M PLUS MC NE WS	600	2003770000
WS 8/5 MM WS	800	2007150000

## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	beige / red and blue pusher
Note	

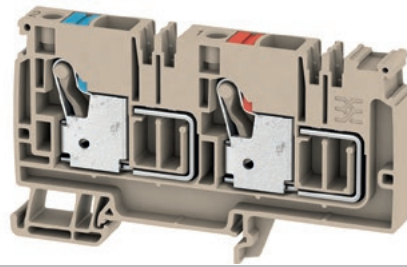
#### Accessories

Plug-in cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

For detailed information on other accessories and application in the online catalogue

### AAP14 10 LO-LO

10 mm<sup>2</sup>



10 x 94 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	150	150	
57	51	51	
10	AWG 20...6	AWG 20...6	
6 kV / 3			
A6 / V-0			



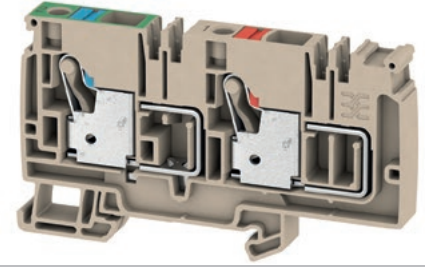
Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
AAP14 10 LO-LO	20	<b>1988250000</b>

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A 20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A 60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A 20	<b>1527880000</b>
AEP AP14	20	<b>1988340000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/8 PLUS MC NE WS	800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS	420	<b>1905950000</b>

### AAP14 10 FE-LO

10 mm<sup>2</sup>



10 x 94 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500	150	300	
57	51	51	
10	AWG 20...6	AWG 20...6	
6 kV / 3			
A6 / V-0			



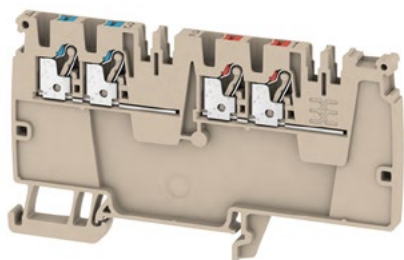
Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
AAP14 10 FE-LO	20	<b>1988240000</b>

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A 20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A 60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A 20	<b>1527880000</b>
AEP AP14	20	<b>1988340000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/8 PLUS MC NE WS	800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS	420	<b>1905950000</b>

AAP14 2.5 LI-LI

2.5 mm<sup>2</sup>



5.1 x 94 x 53.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	150	150	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

®

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AAP14 2.5 LI-LI	50	1988230000

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
ZQV 2.5N/2 BL	24 A 60	1527740000
ZQV 2.5N/10 BL	24 A 20	1527880000
AEP AP14	20	1988340000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 10/5 M PLUS MC NE WS	600	2003770000
WS 8/5 MM WS	800	2007150000

**Control voltage distribution  
PUSH IN connection**

**AAP – potential distribution terminal blocks**

**SET AAP12 10/2.5/10C**

**10 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

45.2 x 89 x 53.5  
**48 / 10**  
**0.5...10**

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
48			
10			
		8 kV / 3	
		A6 / V-0	

**CE**

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

**Note**

**Ordering data**

Version
Note

Type	Qty.	Order No.
SET AAP12 10/2.5/10C	1	<b>2506350000</b>

**Accessories**

Plug-in cross-connection	
	2-pole/ red
	10-pole / red
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Tools	
	Tester
Marking tags	

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A 20	<b>2108910000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ZUB MULTIMETER	1	<b>9205270000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/8 PLUS MC NE WS	800	<b>1046350000</b>
WS 8/5 MM WS	800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

AAP – potential distribution terminal blocks

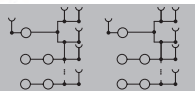
SET AAP14 10/2.5/10C

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

36.5 x 89 x 53.5  
**57 / 10**  
**0.5...10**



Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
57			
10			
		8 kV / 3	
		A6 / V-0	

CE

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Note

Ordering data

Version
Note

Type	Qty.	Order No.
SET AAP14 10/2.5/10C	1	2506360000

Accessories

Plug-in cross-connection	2-pole/ red
	10-pole / red
End bracket	dark beige, screwable
	dark beige, direct mounting
Tools	Tester
Marking tags	

Type	Qty.	Order No.
ZQV 2.5N/2 RD	24 A 60	2108470000
ZQV 2.5N/10 RD	24 A 20	2108910000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ZUB MULTIMETER	1	9205270000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 8/5 MM WS	800	2007150000

For detailed information on other accessories and application in the online catalogue



## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	

Note

#### Ordering data

Version	
	beige / red pusher
	beige / blue pusher
	beige / orange pusher
	blue / orange pusher

Note

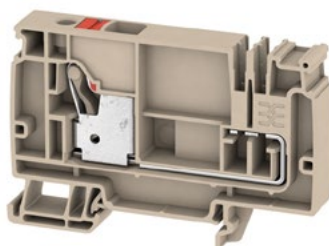
#### Accessories

Plug-in cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige, screwable
	dark beige, direct mounting
	dark beige
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

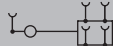
For detailed information on other accessories and application in the online catalogue

### AAP21 10 LO

10 mm<sup>2</sup>



12 x 82 x 53.5
57 / 10
0.5...10



Ex ec II C Gc II  
2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	600 (C)	600 (C)	
57	51	51	57
10	AWG 20...6	AWG 20...6	10

4 kV / 3  
V-0

CE CB cRU us Ex TÜEV17ATEX8063U

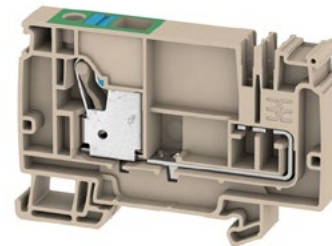
Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 mm	
1.0 x 5.5 mm	

Type	Qty.	Order No.
AAP21 10 LO RD	20	2428910000
AAP21 10 LO BL	20	2428940000
AAP21 10 LO OR	20	2581690000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

### AAP21 10 FE

10 mm<sup>2</sup>



12 x 82 x 53.5
/ 10
0.5...10



Ex ec II C Gc II  
2 G D



In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600 (C)	600 (C)	
			57
10	AWG 20...6	AWG 20...6	10 mm <sup>2</sup>

4 kV / 3  
V-0

CE CB cRU us TÜEV17ATEX8063U

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 mm	
1.0 x 5.5 mm	

Type	Qty.	Order No.
AAP21 10 FE	20	2428920000

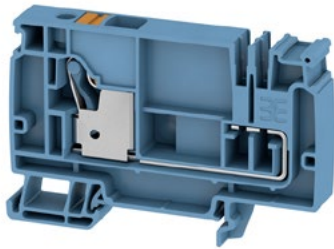
Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

For detailed information on other accessories and application in the online catalogue

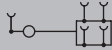


AAP21 10 LO

10 mm<sup>2</sup>



12 x 82 x 53.5  
57 / 10  
0.5...10



Ex ec II C Gc II

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	600 (C)	600 (C)	
57	51	51	57
10	AWG 20...6	AWG 20...6	10

4 kV / 3

V-0



TUEV17ATEX8063U

Rated connection

0.5...10 / 0.5...10

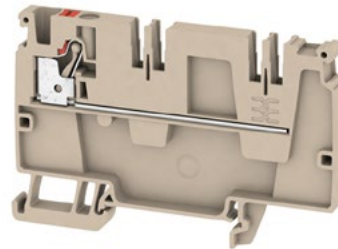
0.5...10 / 0.5...10

18 mm

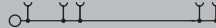
1.0 x 5.5 mm

AAP21 4 LI

4 mm<sup>2</sup>



6.1 x 82 x 53.5  
32 / 4  
0.14...4



Ex ec II C Gc II

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
32	20	20	32
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

4 kV / 3

V-0



TUEV17ATEX8063U

Rated connection

0.5...4 / 0.5...4

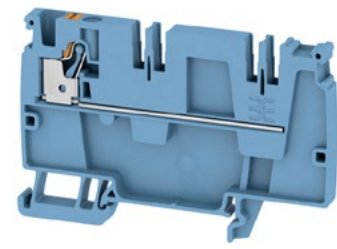
0.5...4 / 0.5...4

12 mm

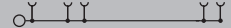
0.6 x 3.5 mm

AAP21 4 LI

4 mm<sup>2</sup>



6.1 x 82 x 53.5  
32 / 4  
0.14...4



Ex ec II C Gc II

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
32	20	20	32
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

4 kV / 3

V-0



TUEV17ATEX8063U

Rated connection

0.5...4 / 0.5...4

0.5...4 / 0.5...4

12 mm

0.6 x 3.5 mm

Type	Qty.	Order No.
AAP21 10 LO BL/OR	20	2581800000

Type	Qty.	Order No.
AAP21 4 LI RD	50	2428930000
AAP21 4 LI BL	50	2428960000
AAP21 4 LI OR	50	2581700000

Type	Qty.	Order No.
AAP21 4 LI BL/OR	50	2582530000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
ZEW 35/2	20	8630740000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 8/6 MM WS	600	2007160000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
ZEW 35/2	20	8630740000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
DEK 5/6 PLUS MC NE WS	1000	1011320000
WS 8/6 MM WS	600	2007160000

**Control voltage distribution**  
**PUSH IN connection**

**AAP – potential distribution terminal blocks**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	

**Note**

**Ordering data**

Version	
	beige / red pusher, 250 V AC/DC, without LED
	beige / red pusher, 10-36 V AC/DC, with LED
	beige / red pusher, 30-70 V AC/DC, with LED
	beige / red pusher, 60-150 V AC/DC, with LED
	beige / red pusher, 100-250 V AC/DC, with LED
	beige / orange pusher, 250 V AC/DC, without LED
	beige / orange pusher, 100-250 V AC/DC, with LED
	beige / blue pusher
	beige / orange pusher
	blue / orange pusher

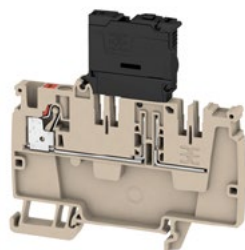
**Note**

**Accessories**

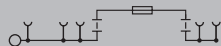
<b>Plug-in cross-connection</b>	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
<b>End plate / Partition plate</b>	
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Marking tags</b>	
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>For detailed information on other accessories and application in the online catalogue</b>	

**AAP21 4 FS**

**4 mm<sup>2</sup>**



6.1 x 82 x 82
<b>6.3 / 4</b>
<b>0.14...4</b>



In accordance with IEC 60947-7-3 2 G D **Ex ec II C Gc II**

IEC	UL	CSA	EN 60079-7
250	150 (C)		
6.3	10		6.3
4	AWG 26...10		4 mm <sup>2</sup>
4 kV / 3			
V-0			

CCC CE cRU us Ex TÜEV17ATEX8064U

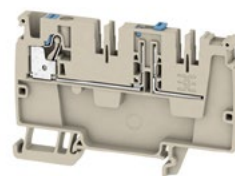
<b>Rated connection</b>	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...4
	12 mm
	0.6 x 3.5 mm

Type	Qty.	Order No.
AAP21 4 FS	50	2428950000
AAP21 4 FS 10-36V	50	2458990000
AAP21 4 FS 30-70V	50	2460200000
AAP21 4 FS 60-150V	50	2460190000
AAP21 4 FS 100-250V	50	2460180000
AAP21 4 FS OR	50	2581720000
AAP21 4 FS 100-250V OR	50	2581790000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

**AAP21 4 DT**

**4 mm<sup>2</sup>**



6.1 x 82 x 55
<b>20 / 4</b>
<b>0.14...4</b>



In accordance with IEC 60947-7-1 2 G D **Ex ec II C Gc II**

IEC	UL	CSA	EN 60079-7
250	150 (C)	150 (C)	
20	20	20	19
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
4 kV / 3			
V-0			

CCC CE cRU us Ex TÜEV16ATEX7939U

<b>Rated connection</b>	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...4
	12 mm
	0.6 x 3.5 mm

Type	Qty.	Order No.
AAP21 4 DT	50	2428980000
AAP21 4 DT OR	50	2581710000
AAP21 4 DT BL/OR	50	2582520000

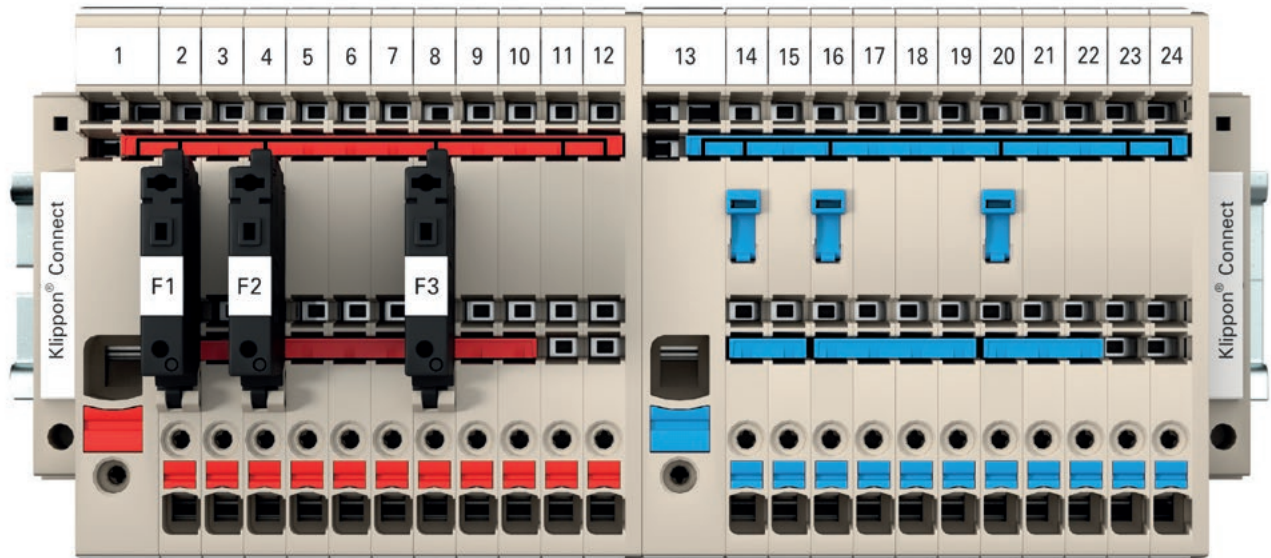
Type	Qty.	Order No.
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000





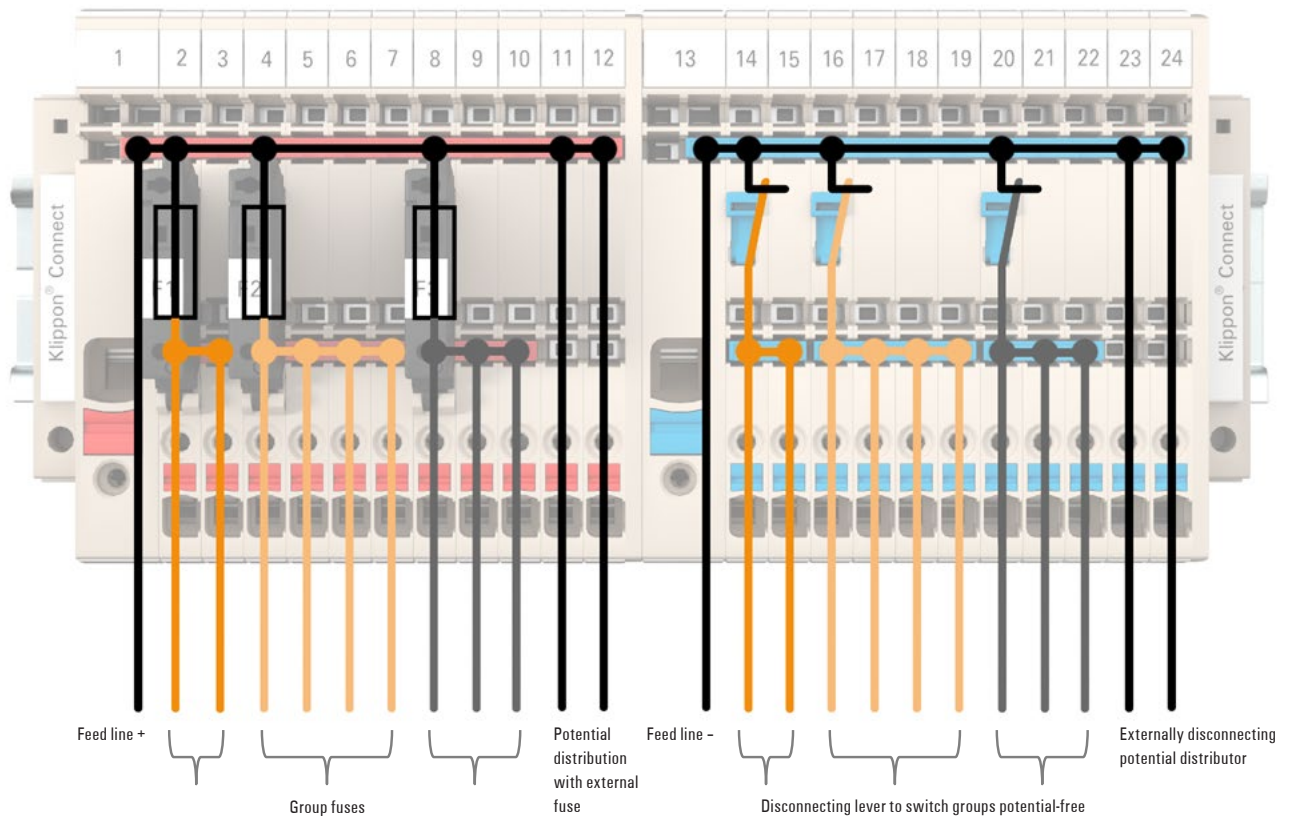
**Clear, compact construction of control voltage distribution**

Example configuration of potential distribution terminal block with fusing



- Group fusing through breakaway of individual poles in the cross-connections
- Groups can be switched potential-free via a disconnecter
- Direct potential distribution possible without fusing within the structure

**Schematic representation of circuit diagram**



## Control voltage distribution PUSH IN connection

### AAP - potential distribution terminal blocks

Potential distribution with integrated fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	beige / red and blue pusher
Note	

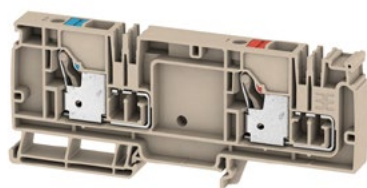
#### Accessories

Plug-in cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test plug	
Screwdriver	
	Standard
Marking tags	

For detailed information on other accessories and application in the online catalogue

### AAP22 10 LO-LO

10 mm<sup>2</sup>



12 x 129 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

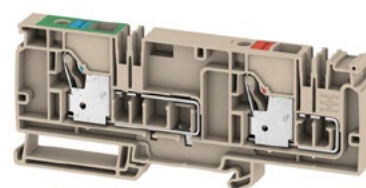
IEC	UL	CSA	EN 60079-7
250	150	150	
57	51	51	
10	AWG 20...6	AWG 20...6	
4 kV / 3			
A6 / V-0			



Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

### AAP22 10 FE-LO

10 mm<sup>2</sup>



12 x 129 x 53.5	
<b>17 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250	150	150	
57	51	51	
10	AWG 20...6	AWG 20...6	
4 kV / 3			
A6 / V-0			



Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
AAP22 10 FE-LO	20	242900000

Type	Qty.	Order No.
AAP22 10 LO-LO	20	242899000

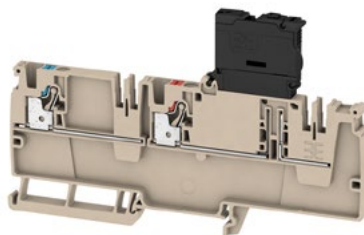
Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP22	20	2429040000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

Type	Qty.	Order No.
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
AEP AP22	20	2429040000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/8 PLUS MC NE WS	800	1046350000
WS 10/8 PLUS MC NE WS	420	1905950000

AAP - potential distribution terminal blocks

AAP22 4 LI-FS

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 129 x 82
<b>6.3 / 4</b>
<b>0.14...4</b>

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	

In accordance with IEC 60947-7-1, Ex ec II C Gc II  
In accordance with IEC 60947-7-3 2 G D

IEC	UL	CSA	EN 60079-7
500	300 (D)		
6.3	10		6.3
4	AWG 26...10		4 mm <sup>2</sup>
4 kV / 3			
V-0			

TUEV17ATEX8064U

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 mm	
0.6 x 3.5 mm	

Note

Ordering data

Version	250 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100 - 250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
AAP22 4 LI-FS	50	2429010000
AAP22 4 LI-FS 10-36V	50	2459010000
AAP22 4 LI-FS 30-70V	50	2460140000
AAP22 4 LI-FS 60-150V	50	2460130000
AAP22 4 LI-FS 100-250V	50	2460120000

Accessories

Plug-in cross-connection	2-pole / blue
	10-pole/ blue
	2-pole/ red
	10-pole / red
End plate / Partition plate	
End bracket	dark beige, screwable
	dark beige, direct mounting
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
ZQV 4N/2 BL	32 A 60	1528040000
ZQV 4N/10 BL	32 A 20	1528230000
ZQV 4N/2 RD	32 A 60	2460450000
ZQV 4N/10 RD	32 A 20	2460740000
AEP AP22	20	2429040000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
SDIL 0,6X3,5X100	1	2749140000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast

Type	Qty.	Order No.
G 20/0.25A/F	0.25 A 10	0430500000
G 20/0.50A/F	0.5 A 10	0430600000
G 20/1.00A/F	1 A 10	0430700000
G 20/2.00A/F	2 A 10	0430900000

For detailed information on other accessories and application in the online catalogue

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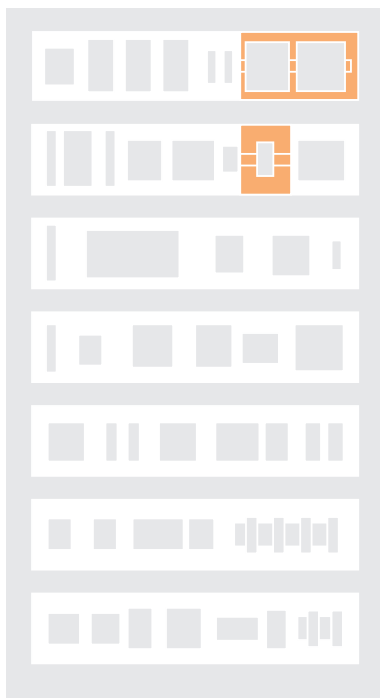
# Control current distribution further developed

## Load monitoring and potential distribution in one overall solution

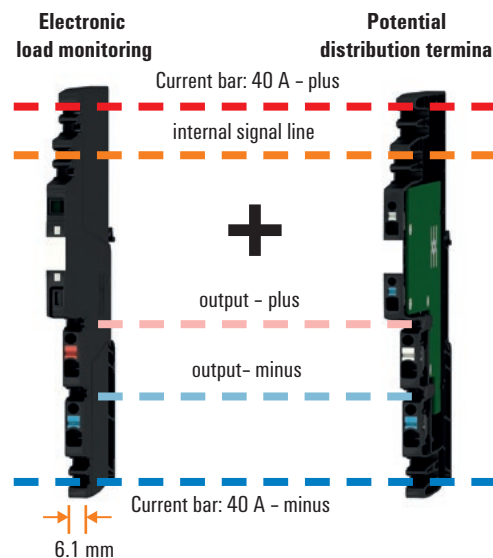
New ways in the control current distribution increase the efficiency in the operation of machines and plants. The combination of load monitoring and potential distribution terminals saves up to 50 % space and up to 20 % wiring costs, while the free combinability of numerous single-channel and four-channel variants optimizes material costs. Benefit from the advantages of a modular system that offers you high flexibility and adapts optimally to any application.



B



### Combination of load monitoring and potential distribution



- Three main connection channels: positive, negative and internal signals
- Simple to increase the number of contacts thanks to crossconnection option in the potential distribution terminals



# Intelligent protection of DC loads

## topGUARD load monitoring system with communication via IO-LINK

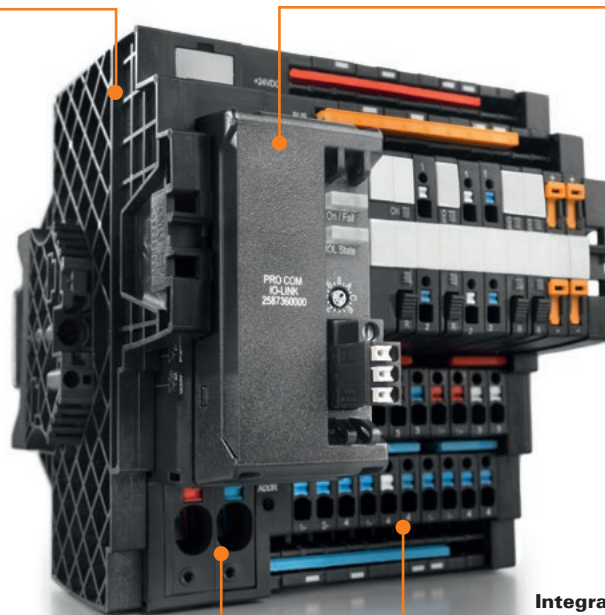
Modern machines and plants require load monitoring systems capable of communication. The IO-Link-capable load monitoring system topGUARD offers remote control options, full data transparency, and reliable protection of the 24 V system voltage.

topGUARD is an outstanding supplement to the IO-LINK-capable PROtop power supplies for innovative power management systems. It saves space and time during device installation through an innovative approach to integrated distribution of potential. Parameterisation, control, and provision of all operating data are carried out by plugging in the IO-Link module and integrating an IODD file. The module can be used for PROtop power supplies as well as for topGUARD load monitoring.

### IO-LINK capable

The IO-Link-capable load monitoring system topGUARD offers remote control options, provides operating data for optimal condition monitoring, and enables entirely new control solutions.

Data transparency and remote control thanks to IO-Link.



### Modular and innovative

The modular concept enables custom-fit solutions. The first of its kind, voltage-adaptive class 2 load monitoring allows the continued use of 18 to 30 V DC operating voltage.

### Integrated distribution of potential

The integrated distribution of potential, well known from the maxGUARD concept, takes up significantly less space and saves valuable time during installation.



# Load monitoring and potential distribution in one complete solution

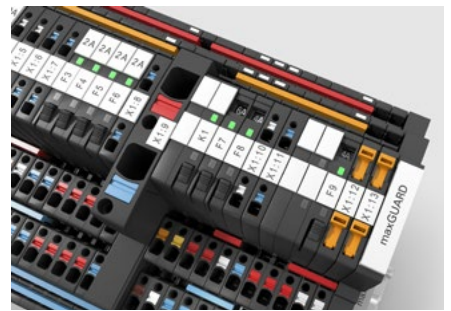
## maxGUARD – taking control voltage distribution to a new level

Fail-safe and maintenance-friendly control voltage distributions that can be installed in a time- and space-saving manner are a must for efficient machine and facility operation. With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution solution. The new combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50 %.



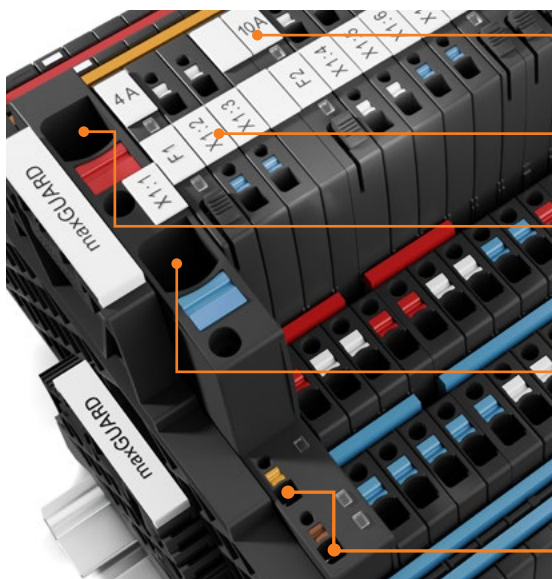
### Extreme ease of servicing

Sophisticated operating, testing and connection elements permit safe access to all voltage potentials and load circuits during commissioning and maintenance.



IECEX

### Sophisticated arrangement of connections and markers ensures clarity



Markers for current strength

Continuous marker channel for equipment ID

Supply terminal (positive): 16 mm<sup>2</sup>

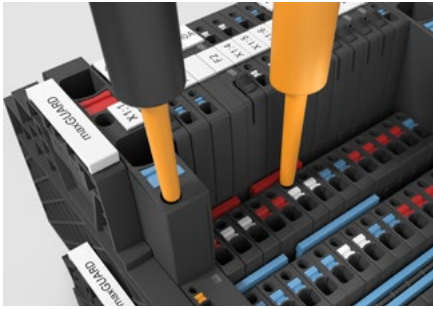
Supply terminal (negative): 16 mm<sup>2</sup>

Reset input and alarm output for connecting to the PLC

now up to  
**70°C**  
usable

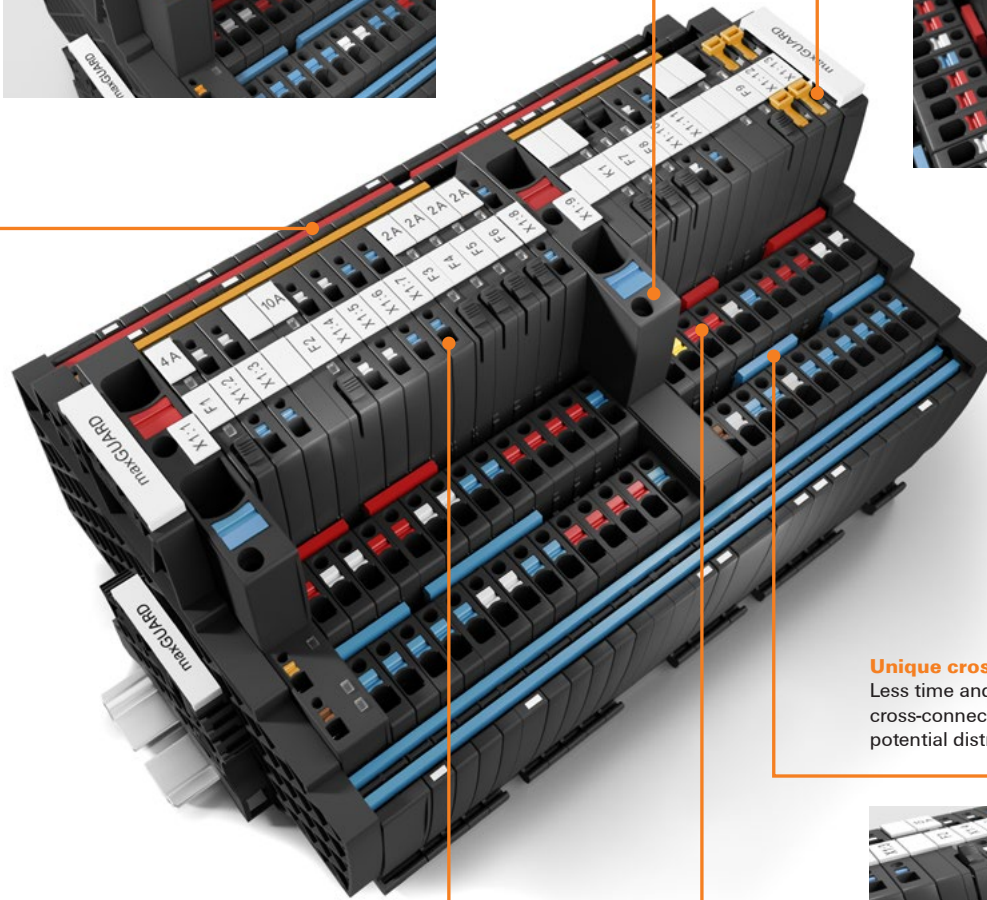
**Integrated test point**

Consistently integrated test points in the maxGUARD control voltage distribution's input and output speed up troubleshooting operations.



**Practical disconnecting lever**

Potential distributor with a disconnecting lever for simple galvanic isolation of the load circuit for testing and checking purposes.



**B**

**Unique cross-connectors**

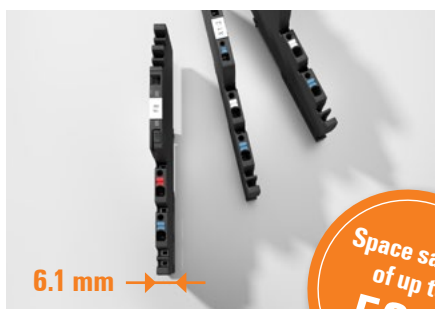
Less time and effort needed for wiring due to cross-connections between load monitoring and potential distribution terminals.



Time saving  
of up to  
**20%**

**Particularly space-saving**

Electronic load monitors and potential distributors with a 6.1 mm pitch.



Space saving  
of up to  
**50%**

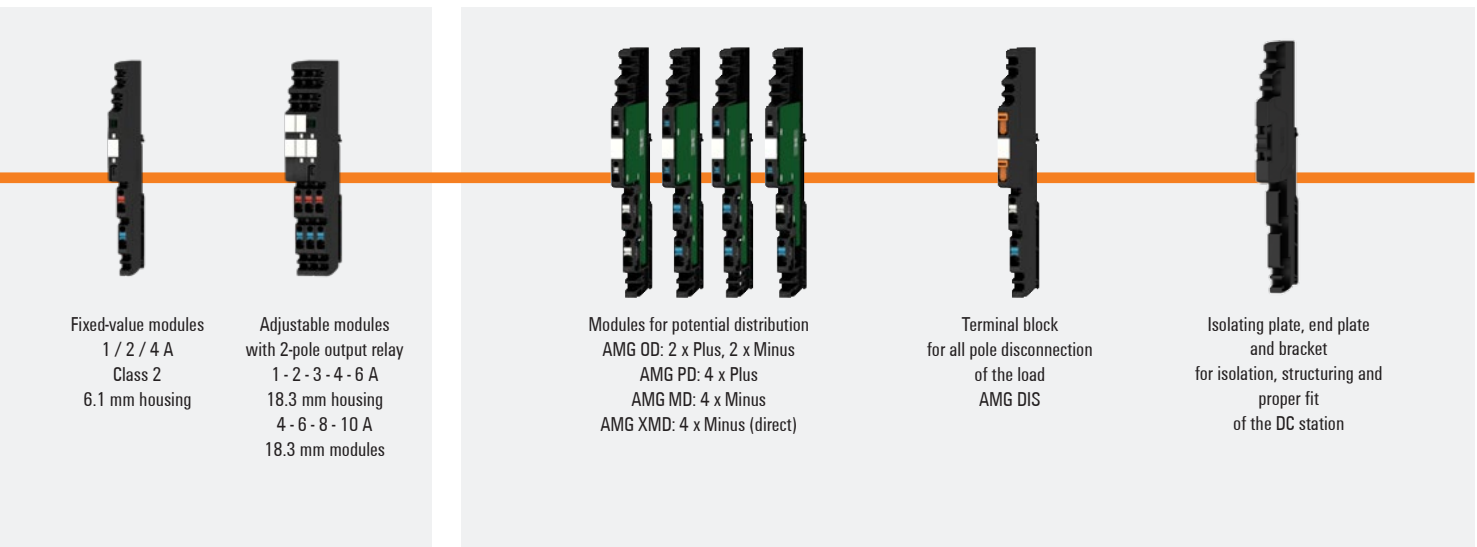
**Can be used in a customised way**

The sheer range of variants and the very different potential distribution terminals and additional components enable customised solutions at all times.





### Potential distribution and accessories



Fixed-value modules  
1 / 2 / 4 A  
Class 2  
6.1 mm housing

Adjustable modules  
with 2-pole output relay  
1 - 2 - 3 - 4 - 6 A  
18.3 mm housing  
4 - 6 - 8 - 10 A  
18.3 mm modules

Modules for potential distribution  
AMG OD: 2 x Plus, 2 x Minus  
AMG PD: 4 x Plus  
AMG MD: 4 x Minus  
AMG XMD: 4 x Minus (direct)

Terminal block  
for all pole disconnection  
of the load  
AMG DIS

Isolating plate, end plate  
and bracket  
for isolation, structuring and  
proper fit  
of the DC station

#### Load monitoring (fixed value) Class 2

Electronic load monitoring with fixed rated current  
(without I > 90 % pre warning)  
Class 2 Approval

Type	Order No.
AMG ELM-1F CL2	2491270000
AMG ELM-2F CL2	2491280000
AMG ELM-4F CL2	2491290000

#### Load monitoring with relay

Electronic load monitoring with 2-pole output relay for allpole load disconnection; triggering current and triggering characteristic adjustable  
(with I > 90 % function)

Type	Order No.
AMG ELM-6D CO	2082440000
AMG ELM-10D CO	2082470000

#### Potential distributor

Flexible application through various potential distributor.

Type	Order No.
AMG MD	2122930000
AMG MD EX	2495040000
AMG OD	2122910000
AMG OD EX	2495090000
AMG PD	2122920000
AMG PD EX	2495070000
AMG XMD	2122940000
AMG XMD EX	2495080000
AMG DIS	2123050000
AMG DIS EX	2495100000

#### End plate and Separation plate

End plate for mechanical stabilization.  
Separation plate for logical subdivision.

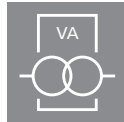
Type	Order No.
AMG PP	2123000000
AMG EP	2495380000
AMG EP KIT	2500760000

B



# Efficient implementation of testing and measurement switchgear

## Safe and thorough with Klippon® Connect

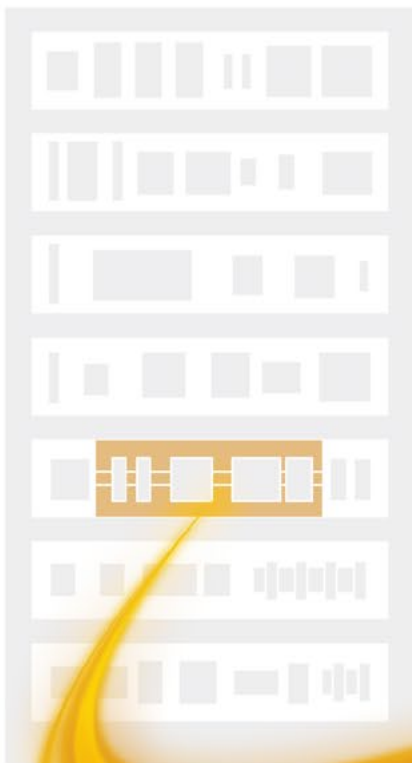


In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.

### Our promise

The sophisticated features and proven connection technologies means Klippon® Connect solves testing and measurement issues more safely and efficient. Our extensive portfolio provides flexibility and productivity at all stages of the process.

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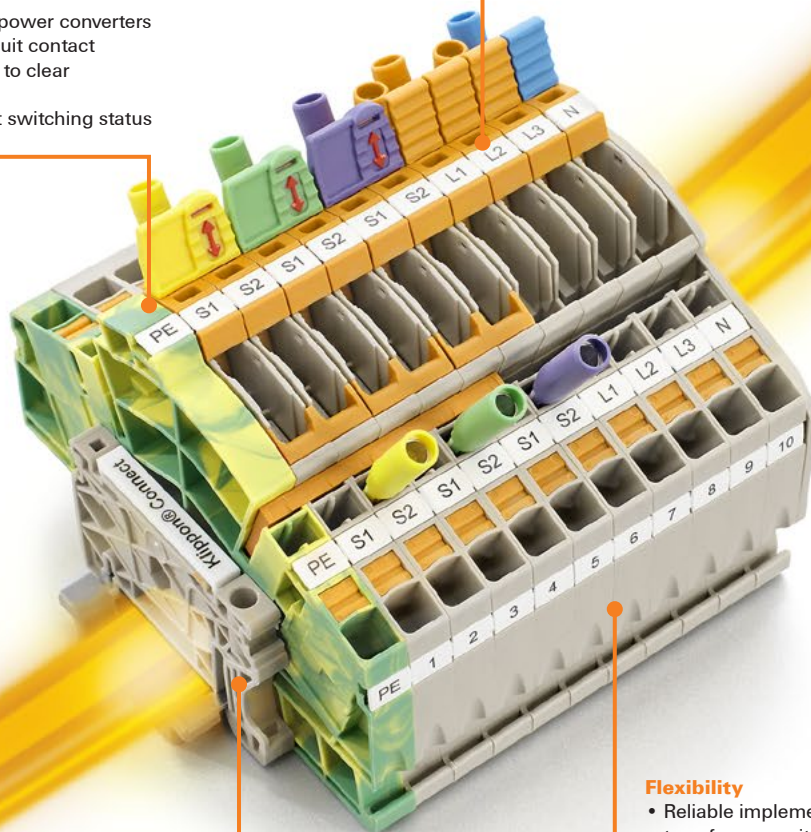


**Safety**

- Highest possible protection of measuring instruments against destruction by avoiding incorrect wiring
- Safe protection of connected power converters thanks to integrated short-circuit contact
- Simple, safe operation thanks to clear identification of switch status
- Lockout to secure the relevant switching status

**Space saving**

- Modular setup of transformer switching thanks to test-disconnect terminal blocks
- Design of a simple current transformer test circuit with just two terminal blocks



**Flexibility**

- Reliable implementation of all standard transformer switching applications
- Specially developed for all conceivable requirements

**Time saving**

- Extensive range of accessories consisting of test adapters, cross-connections and markers
- PUSH IN technology for quick, safe wiring
- Make before break function exclusive to the TTB family

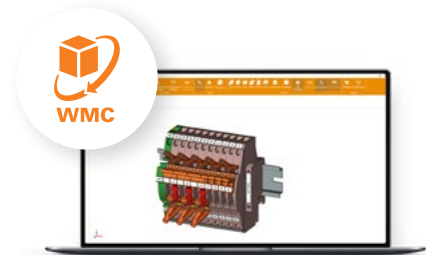
**B**



## Unique features giving added value throughout the complete process From planning through installation and operation

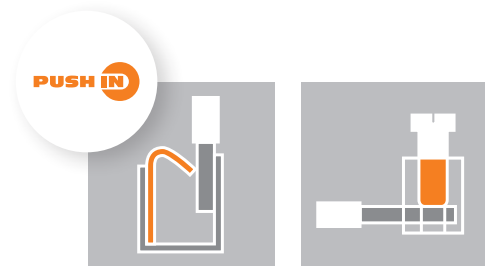
### Data-supported accessory selection via WMC

The complete provision of data in the Weidmüller Configurator (WMC) enables a particularly simple selection of safety-critical accessories as well as safe and rational product configuration.



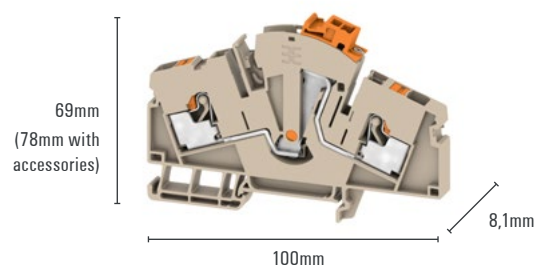
### Free choice of connection technology

The TTB range terminal blocks and their accessories are highly standardised. All features can be used regardless of the chosen connection solution – whether PUSH IN or screw connection.



### Maximum function density

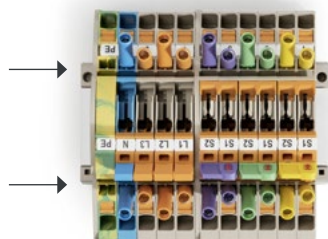
The new transformer terminal blocks of the TTB range are particularly compact and offer an outstanding functional density compared to other solutions on the market.



### PE terminal with identical contour

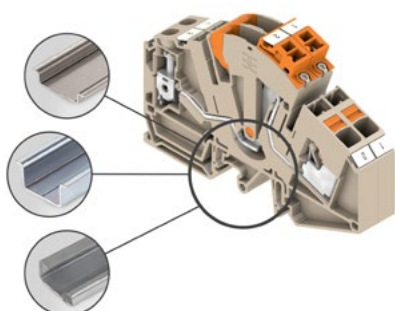
The new TTB range includes a PE terminal block having the same contour. It can be connected to the current or voltage transformer terminal via standard cross-connections. This simplifies and accelerates the earthing of star points in the control cabinet.





### Dedicated cross-connection channel

A cross-connection channel, upstream and downstream the disconnect point, ensures maximum flexibility during installation. Neither the short-circuit function of current transformers nor the testing possibilities are limited. In this way, even more complex circuit requirements can be realised with the same standardised accessories.



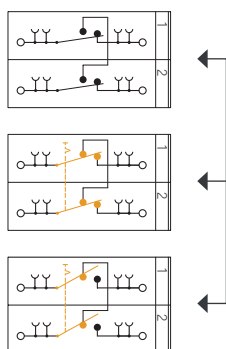
### Easy to install (for WTTB 6 and HTTB 6)

The integrated combi-foot simplifies flexible mounting on the common G32 and TH35 mounting rail profiles. The product replacement therefore can be carried out without the cost-intensive exchange of the mounting rails.



### Unique lever mechanism

The unique lever mechanism is particularly user-friendly. It offers maximum contact reliability and can be optimally operated under all lighting conditions. The disconnect lever can be operated either manually or with a standard screwdriver. It also offers an easy possibility to implement multi-pole actuations.



### New forced short circuit functionality

The combination of isolating lever, short circuit bridge, and lever link in a single system guarantees that the secondary wiring of a current transformer is short-circuited before the longitudinal disconnection takes place. This „Make Before Break“ contact can be realised for up to four terminals.

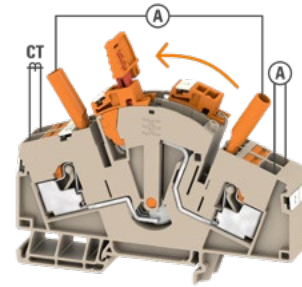
B



## Unique features giving added value throughout the complete process From planning through installation and operation

### Reliable comparative measurement

A patented CM (Comparative Measurement) lever link allows two terminal blocks to be selectively separated to connect a calibrated measuring device. After the measurement, the captive lever is returned to its original position, with the „make before break“ contact remaining active. This is a unique feature of the TTB range which guarantees maximum safety for personnel and asset preservation.



### Captive components

All function- and safety-relevant components are captively connected to the terminal block. This increases the reliability of the current and voltage transformer circuits during installation and maintenance work.



### Clear marking

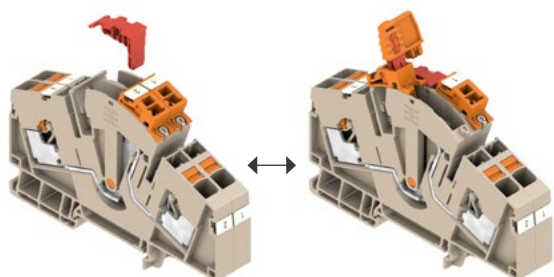
To identify circuits unambiguously is extremely important for safety. For this reason, the new instrument transformer terminal blocks have large marking areas which are clearly visible from any angle.



### Angled test sockets

The angled test sockets enable the connection of 4.0 plugs in widths of up to 10 mm. Due to the alternating arrangement, all standard measurements can be done without fanning-out despite the reduced width of the terminal.





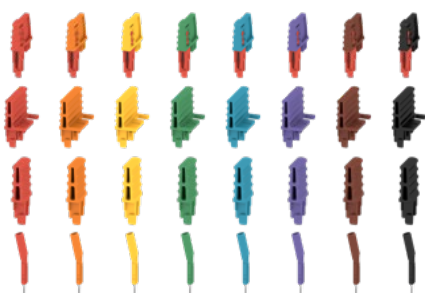
#### Reliable switch lock

The switch lock prevents the disconnect lever from being moved out of the set position. This avoids unauthorised opening and closing of circuits.



#### Enhanced safety cover hood system

The transparent cover hood system protects and seals the entire assembly. It is available either as a full-length profile or as an individual cover. It can only be fixed when all connection components are in their initial position. The assembly is optimally protected against unauthorised access without impairing visual inspection.



#### Distinct colour coding

In order to guarantee maximum safety in installation and maintenance, an extensive colour range is available for the requested colour-coding of terminals, accessories, test sockets and lever links.



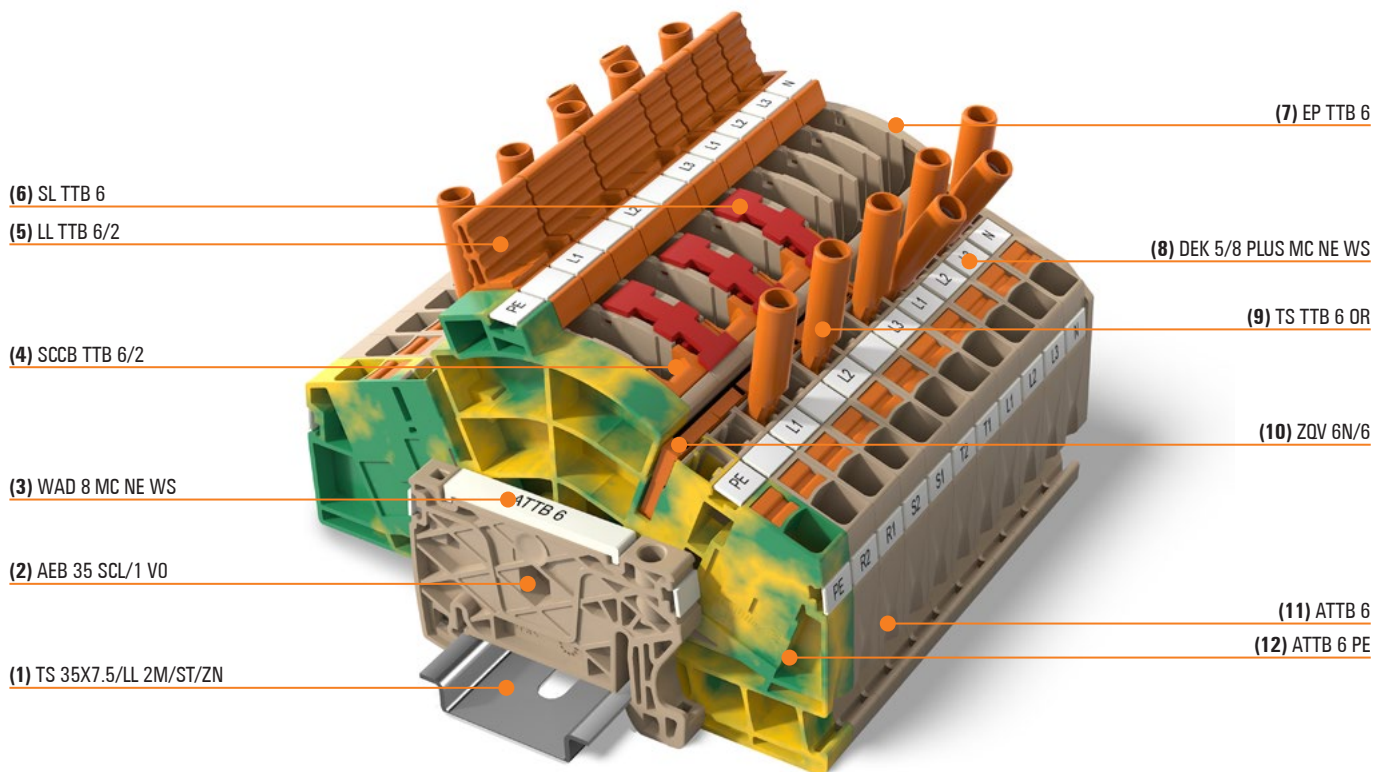
#### IEC CB Scheme Certification

Klippon® Connect TTB range instrument transformer terminal blocks are certified by third party according to the requirements of IEC 60947-7-1 – Annex D Standard. Such certification grants the safe use of TTB range terminals throughout time and is a recognised qualified reference worldwide.



Klippon® Connect TTB-Range

Technical details and order numbers



Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
1	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	0514500000
2	End bracket	AEB 35 SCL/1 V0	6 x 52.6 x 36.5 mm	dark beige*	50	2661280000
3	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	1112910000
4	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	2710190000
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	2710200000
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	2710210000
5	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	2710230000
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	2710300000
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	2710440000
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	2710450000
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	2710460000
	Lever link for comparative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	2710370000
	Lever link for comparative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	2726100000
	Lever link for comparative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	2726110000
6	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	2710220000
7	Endplate	EP TTB 6	2.1 x 34 x 61 mm	dark beige	20	2710170000
8	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	1046350000
9	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	2710470000
10	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	2733950000
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	2733960000
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	2733970000
11	Instrument transformer wiring terminal block	ATTB 6	8.1 x 69 x 100 mm	dark beige*	50	2710090000
12	Instrument transformer wiring terminal block PE	ATTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	2710100000

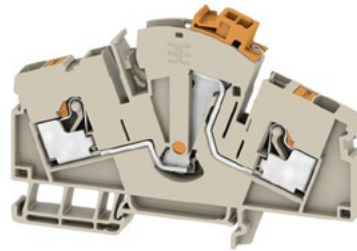
\* More colored version you will find inside our online catalogue





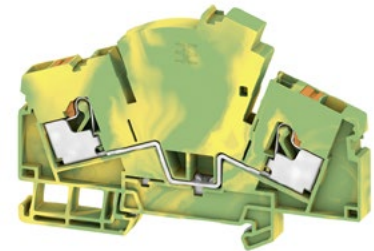
ATTB 6

6 mm<sup>2</sup>



ATTB 6 PE

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 100 x 68	
<b>30 / 10</b>	
<b>0.5...10</b>	

8.1 x 100 x 68	
<b>/ 10</b>	
<b>0.5...10</b>	

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Short-time withstand current resistance	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		600	
30		29	
6	AWG 22...8	AWG 22...8	
6 kV / 3			
A5 / V-0			

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	
/ 3			
A5 / V-0			



Rated connection

0.5...6 / 0.5...6
0.5...10 / 0.5...6
12 / 0.8 x 4.0 mm



Rated connection

0.5...6 / 0.5...6
0.5...10 / 0.5...6
12 / 0.8 x 4.0 mm

Note

Ordering data

Version	dark beige Green/yellow
Note	

Type	Qty.	Order No.
ATTB 6	50	2710070000

Type	Qty.	Order No.
ATTB 6 PE	50	2710080000

Accessories

<b>Short circuit bridge</b>	
2-pole	
3-pole	
4-pole	
<b>Cross-connector</b>	
6-pole	
7-pole	
10-pole	
<b>End plate</b>	dark beige
<b>Lever link</b>	
1-pole	
2-pole	
for comparative measurement 2-pole	
<b>Test plug</b>	
orange	
blue	
green	
yellow	
Black	
violet	
<b>Switch Lock</b>	
<b>Cover</b>	
Textile cover	
Cover profile	
Cover support	
<b>Marking tags</b>	

Type	Qty.	Order No.
SCCB TTB 6/2	30 A 25	2710190000
SCCB TTB 6/3	30 A 25	2710200000
SCCB TTB 6/4	30 A 25	2710210000
ZQV 6N/6	41 A 20	2733950000
ZQV 6N/7	41 A 20	2733960000
ZQV 6N/10	41 A 20	2733970000
EP TTB 6	20	2710170000
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000
TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 GN	48	2710490000
TS TTB 6 YL	48	2710500000
TS TTB 6 BK	48	2710520000
TS TTB 6 VT	48	2710530000
SL TTB 6	50	2710220000
CH TTB	1	2710130000
CP TTB	10	2710140000
CS TTB	10	2710150000
DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000

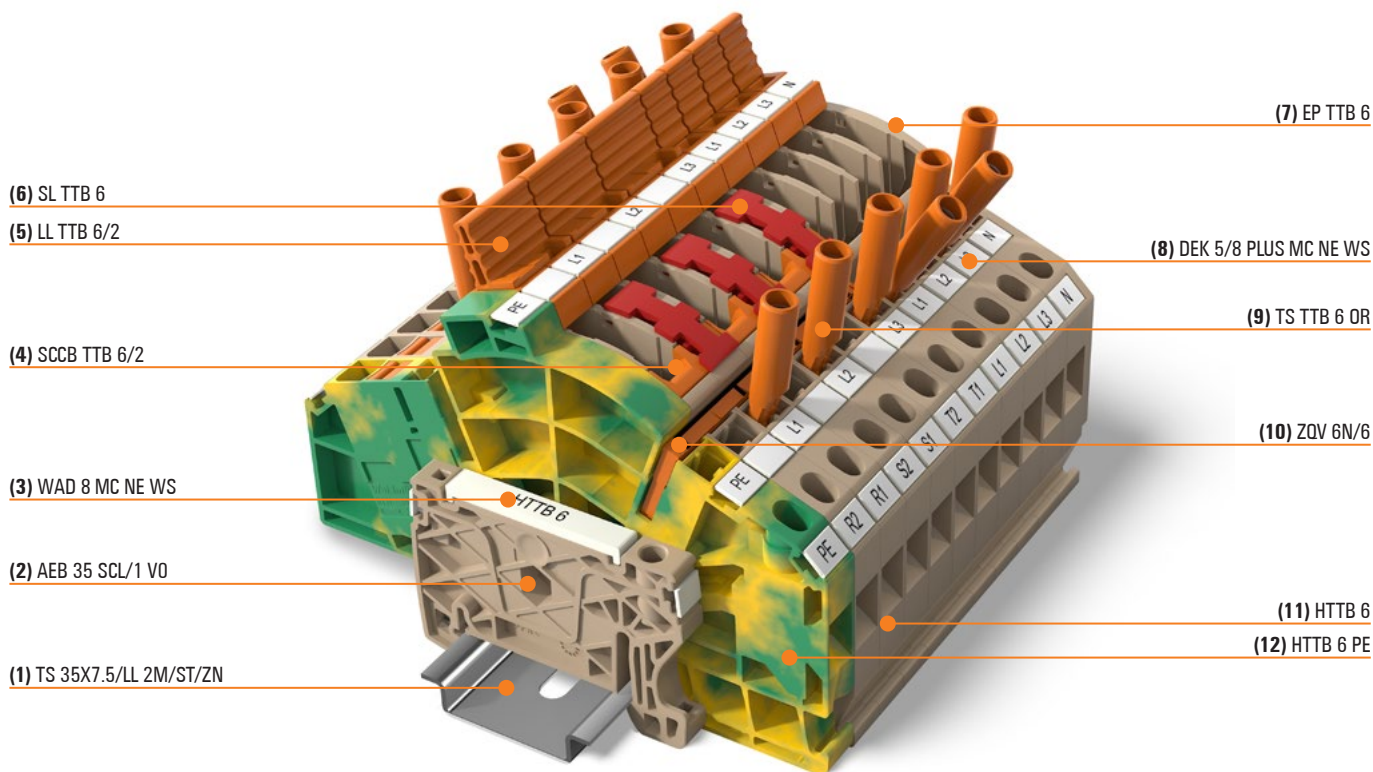
Type	Qty.	Order No.
SCCB TTB 6/2	30 A 25	2710190000
SCCB TTB 6/3	30 A 25	2710200000
SCCB TTB 6/4	30 A 25	2710210000
ZQV 6N/6	41 A 20	2733950000
ZQV 6N/7	41 A 20	2733960000
ZQV 6N/10	41 A 20	2733970000
EP TTB 6	20	2710170000
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000
TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 GN	48	2710490000
TS TTB 6 YL	48	2710500000
TS TTB 6 BK	48	2710520000
TS TTB 6 VT	48	2710530000
SL TTB 6	50	2710220000
CH TTB	1	2710130000
CP TTB	10	2710140000
CS TTB	10	2710150000
DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000

For detailed information on other accessories and application in the online catalogue



Klippon® Connect TTB-Range

Technical details and order numbers



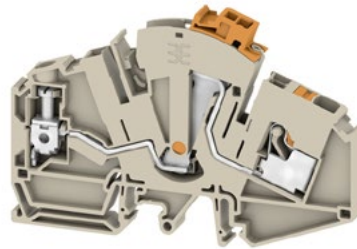
Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
1	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	051450000
2	End bracket	AEB 35 SCL/1 V0	6 x 52.6 x 36.5 mm	dark beige*	50	266128000
3	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	111291000
4	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	271019000
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	271020000
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	271021000
5	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	271023000
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	271030000
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	271044000
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	271045000
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	271046000
	Lever link for comparative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	271037000
	Lever link for comparative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	272610000
	Lever link for comparative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	272611000
6	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	271022000
7	Endplate	EP TTB 6	2.1 x 34 x 61 mm	dark beige	20	271017000
8	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	104635000
9	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	271047000
10	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	273395000
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	273396000
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	273397000
11	Instrument transformer wiring terminal block	HTTB 6	8.1 x 69 x 100 mm	dark beige*	50	271011000
12	Instrument transformer wiring terminal block PE	HTTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	271012000

\* More colored version you will find inside our online catalogue

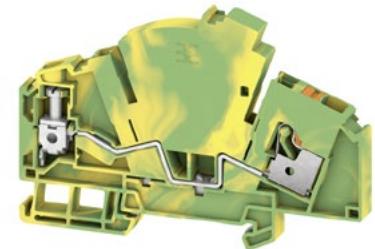
HTTB 6

6 mm<sup>2</sup>



HTTB 6 PE

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 100 x 68	
<b>30 / 10</b>	
<b>0.5...10</b>	

8.1 x 100 x 68	
<b>/ 10</b>	
<b>0.5...10</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>

Short-time withstand current resistance  
Rated impulse withstand voltage / Pollution severity  
Gauge to IEC 60947-1 / UL 94 flammability rating

Approvals

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque	Nm
Stripping length / Blade size	mm/-

Note

Ordering data

Version	dark beige Green/yellow
---------	----------------------------

Note

Accessories

Short circuit bridge

2-pole
3-pole
4-pole

Cross-connector

6-pole
7-pole
10-pole

End plate

dark beige

Lever link

1-pole
2-pole

for comparative measurement 2-pole

Test plug

orange
blue
green
yellow
Black
violet

Switch Lock

Cover

Textile cover
Cover profile
Cover support

Marking tags

For detailed information on other accessories and application in the online catalogue

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		600	
30		29	
6	AWG 22...8	AWG 22...8	

6 kV / 3  
A4 / V-0

Rated connection

0.5...10 / 0.5...10
0.5...10 / 0.5...6
0.8...1.6
12 / 0.8 x 4.0 mm

Type	Qty.	Order No.
HTTB 6	50	2710110000

Type	Qty.	Order No.
SCCB TTB 6/2	30 A	25 2710190000
SCCB TTB 6/3	30 A	25 2710200000
SCCB TTB 6/4	30 A	25 2710210000

ZQV 6N/6	41 A	20 2733950000
ZQV 6N/7	41 A	20 2733960000
ZQV 6N/10	41 A	20 2733970000

EP TTB 6	20	2710170000
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LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000

TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 GN	48	2710490000
TS TTB 6 YL	48	2710500000
TS TTB 6 BK	48	2710520000
TS TTB 6 VT	48	2710530000

SL TTB 6	50	2710220000
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CH TTB	1	2710130000
CP TTB	10	2710140000
CS TTB	10	2710150000

DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	

6 kV / 3  
A4 / V-0

Rated connection

0.5...10 / 0.5...10
0.5...10 / 0.5...6
0.8...1.6
12 / 0.8 x 4.0 mm

Type	Qty.	Order No.
HTTB 6 PE	50	2710120000

Type	Qty.	Order No.
SCCB TTB 6/2	30 A	25 2710190000
SCCB TTB 6/3	30 A	25 2710200000
SCCB TTB 6/4	30 A	25 2710210000

ZQV 6N/6	41 A	20 2733950000
ZQV 6N/7	41 A	20 2733960000
ZQV 6N/10	41 A	20 2733970000

EP TTB 6	20	2710170000
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LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000

TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 GN	48	2710490000
TS TTB 6 YL	48	2710500000
TS TTB 6 BK	48	2710520000
TS TTB 6 VT	48	2710530000

SL TTB 6	50	2710220000
----------	----	------------

CH TTB	1	2710130000
CP TTB	10	2710140000
CS TTB	10	2710150000

DEK-A 5/8 MM WS	500	2448860000
DEK 5/8 PLUS MC NE WS	800	1046350000

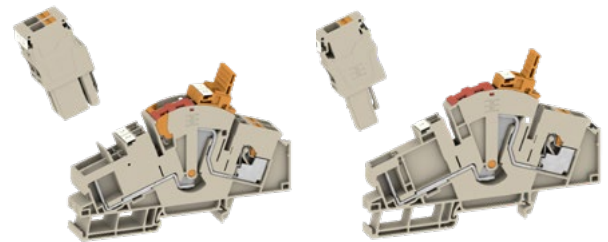
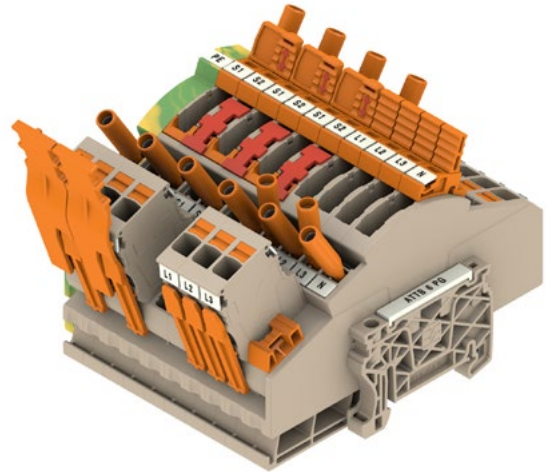


# Simple, fast and safe wiring of current and voltage transformers

## Klippon® Connect ATTB 6 PG range with pluggable connection for instrument transformer wiring

Where instrument transformer wiring requirements are coupled with enhanced wiring efficiency requests, all features of the TTB range can be exploited.

With the pluggable connection option located on the field side and directly connected to the instrument transformers, transformer circuits can now be wired even more securely.

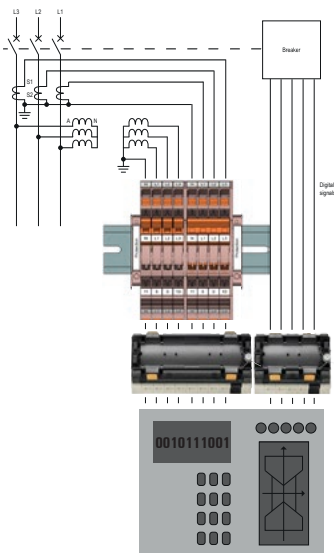


**B**

In current transformer circuits, the ATTB 6 PG CT is equipped with a specially designed 2 and 3 pole self-shorting plug able to guarantee a Make Before Break (MTB) contact under every handling condition. For voltage circuits a simple feed-through plug offered with the ATTB 6 PG VT guarantees the same handling easiness and safety required also for voltage circuits. Both CT and VT plugs are equipped with full coding possibility to avoid any dangerous exchange.

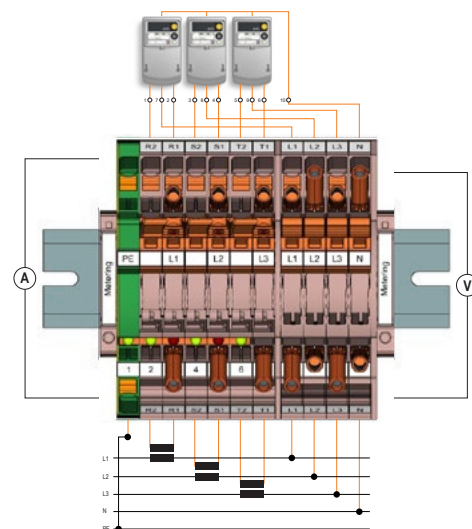
**Protection relay application**

The increased wiring effort required by protective relay circuits can be optimally managed with the ATTB 6 PG. Thanks to its pluggable interface, tangible operational advantages are made possible without compromising safety.

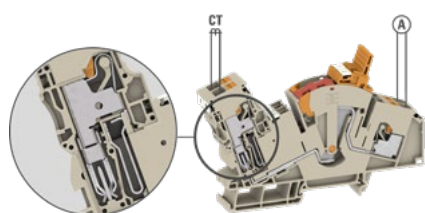


**Metering application**

ATTB 6 PG terminal blocks can be easily configured onto a rail in order to form a complete and functional connectivity interface in any metering cabinet. This allows intuitive, fast and safe handling for any operator.

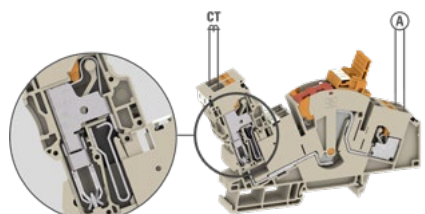
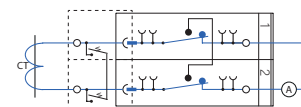
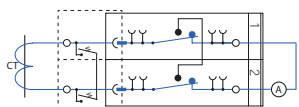
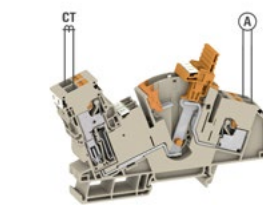


Voltage circuits do not require special operational safety other than avoiding short circuit on the secondary wiring if a VT is used. For current transformer assisted circuits, it is on the other hand of paramount importance to perform a preliminary shorting of a CT prior to any circuit opening.



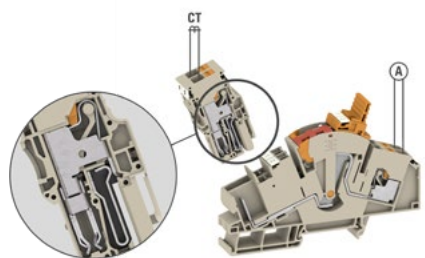
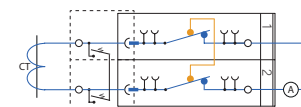
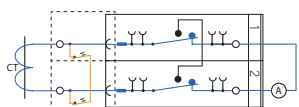
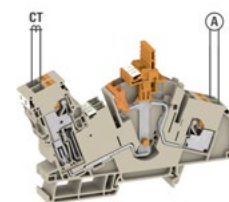
### Normal operation – CT circuits

In normal operation, the plug is fully inserted. The circuit is closed and the current flows via the terminal blocks and the plug.



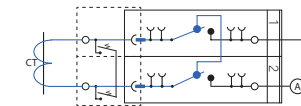
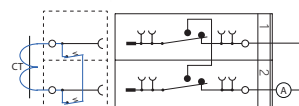
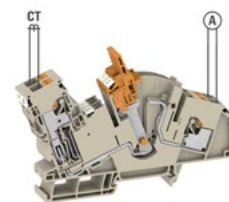
### Make Before Break (MBB)– CT circuits

Throughout cabinet operational life or during assembly verifications, the circuit must be disconnected to allow further operations. To do so, the plug is partially extracted from the terminals. Before extraction is fully completed, a short circuit is established between its two poles. In a likewise manner, the same circuit status can be obtained by bringing the lever into its middle position.



### Disconnect & short circuit – CT circuits

To fully allow consequent operations, the plug is completely extracted from the base terminals, thus maintaining the previously established short circuit between its poles and subsequently opening the circuit. The circuit can be equally safely and completely opened completing the rotation of the lever to the left. As a result the system allows the operator to enjoy a redundant Make Before Break contact.

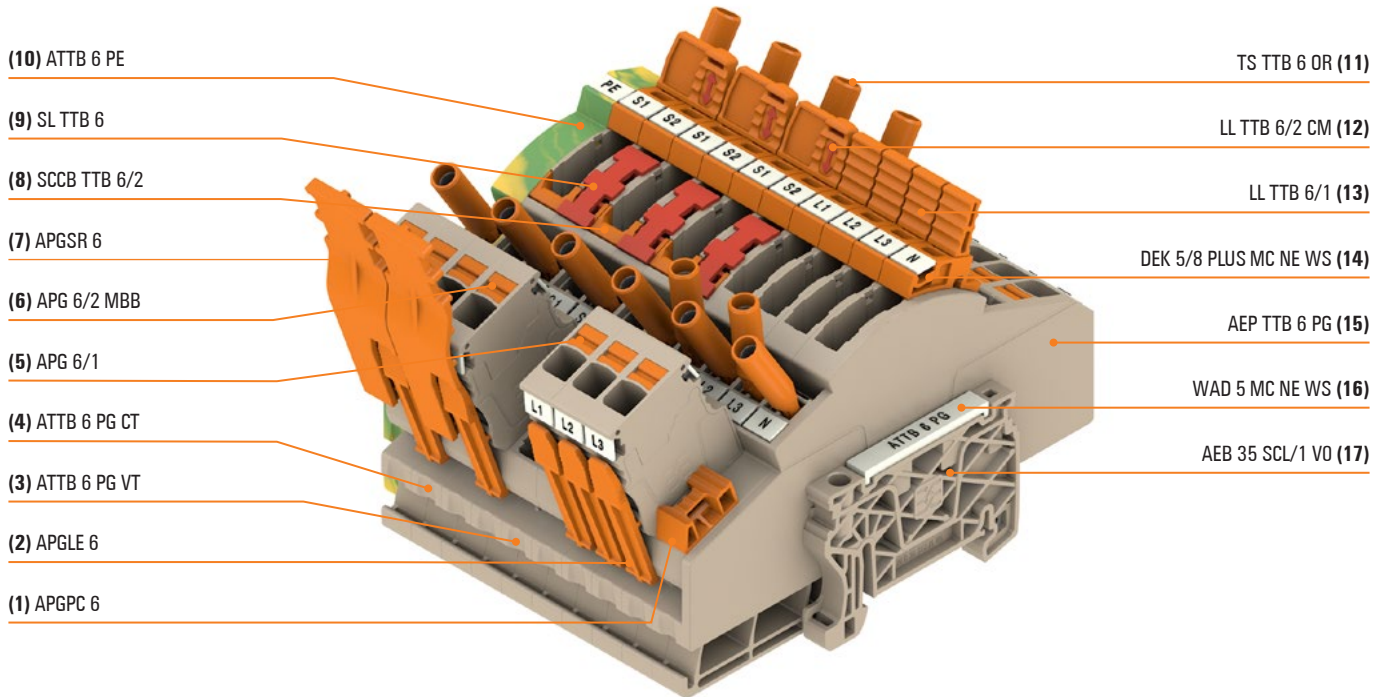


B



# Klippon® Connect TTB-Range

## Technical details and order numbers



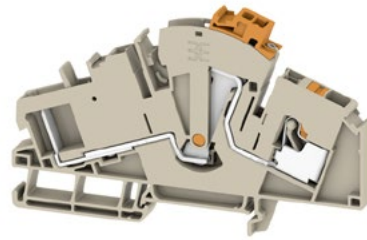
### Overview of ordering data

Pos.	Description	Type	Dimensions	Color	Qty.	Order No.
	Mounting rail	TS 35X7.5/LL 2M/ST/ZN	35 x 7.5 x 2000 mm	silver	2	0514500000
1	Protective cover	APGPC 6	7.9 x 15.5 x 20 mm	orange	20	2762410000
2	Locking element	APGLE 6	6.5 x 2.49 x 35.96 mm	orange	20	2762400000
3	Instrument transformer wiring terminal block (Voltage)	ATTB 6 PG VT	8.1 x 109 x 68 mm	dark beige*	50	2762290000
4	Instrument transformer wiring terminal block (Current)	ATTB 6 PG CT	8.1 x 109 x 68 mm	dark beige*	50	2762280000
5	Standard feed-through plug	APG 6/1	8.1 x 24.3 x 51 mm	beige	50	2762320000
6	Plug with Make Before Breake-funktion (MBB)	APG 6/2 MBB	16.2 x 27.5 x 51 mm	beige	20	2762330000
	Plug with Make Before Breake-funktion (MBB)	APG 6/3 MBB	24.3 x 27.5 x 51 mm	beige	20	2762340000
7	Strain relief	APGSR 6	15.9 x 7.7 x 58.1 mm	orange	20	2762390000
8	Short circuit bridge	SCCB TTB 6/2	16 x 13.5 x 14 mm	orange*	25	2710190000
	Short circuit bridge	SCCB TTB 6/3	24 x 13.5 x 14 mm	orange*	25	2710200000
	Short circuit bridge	SCCB TTB 6/4	32 x 13.5 x 14 mm	orange*	25	2710210000
9	Switch lock	SL TTB 6	8 x 15 x 20 mm	red	50	2710220000
10	Instrument transformer wiring terminal block PE	ATTB 6 PE	8.1 x 69 x 100 mm	green/yellow	50	2710100000
11	Test plug	TS TTB 6 OR	6.3 x 9.5 x 51.5 mm	orange*	48	2710470000
12	Lever link for comperative measurement	LL TTB 6/2 CM	15.9 x 25.1 x 4.2 mm	orange*	50	2710370000
	Lever link for comperative measurement	LL TTB 6/3 CM	24 x 25.1 x 4.2 mm	orange	10	2726100000
	Lever link for comperative measurement	LL TTB 6/4 CM	32 x 25.1 x 4.2 mm	orange	10	2726110000
13	Lever link	LL TTB 6/1	7.6 x 19.7 x 4 mm	orange*	50	2710230000
	Lever link	LL TTB 6/2	15.7 x 19.7 x 8.2 mm	orange*	50	2710300000
	Lever link	LL TTB 6/3	23.8 x 19.7 x 8.2 mm	orange	10	2710440000
	Lever link	LL TTB 6/4	31.9 x 19.7 x 8.2 mm	orange	10	2710450000
	Lever link	LL TTB 6/6	48.1 x 19.7 x 8.2 mm	orange	10	2710460000
14	Terminal block marker	DEK 5/8 PLUS MC NE WS	8 x 2 x 5 mm	weiß	800	1046350000
15	Endplate	AEP TTB 6 PG	2.1 x 108.8 x 50.77 mm	dark beige	20	2762310000
16	Group marker	WAD 5 MC NE WS	6 x 11.7 x 33.3 mm	white	48	1112910000
17	End bracket	AEB 35 SCL/1 VO	6 x 52.6 x 36.5 mm	dark beige*	50	2661280000
	Cross-connection	ZQV 6N/6	46.1 x 3.1 x 34 mm	orange*	20	2733950000
	Cross-connection	ZQV 6N/7	54.2 x 3.1 x 34 mm	orange*	20	2733960000
	Cross-connection	ZQV 6N/10	78.5 x 3.1 x 34 mm	orange*	20	2733970000
	Cooding element	APGCE	2.25 x 11 x 3.3 mm	orange	50	1514490000

\* More colored version you will find inside our online catalogue

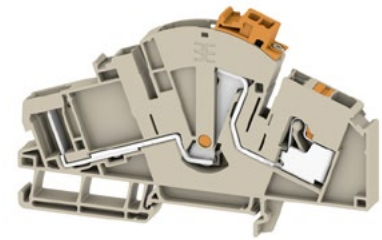
ATTB 6 PG CT

6 mm<sup>2</sup>



ATTB 6 PG VT

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 109 x 68	
<b>30 / 10</b>	
<b>0.5...10</b>	

8.1 x 109 x 68	
<b>30 / 10</b>	
<b>0.5...10</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Short-time withstand current resistance	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque	-
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
30	10		
6	AWG 22...8		
6 kV / 3			
A5 / V-0			

**Rated connection**

0.5...6 / 0.5...6
0.5...10 / 0.5...6

12 / 0.8 x 4.0 mm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
30	29		
6	AWG 22...8		
6 kV / 3			
A5 / V-0			

**Rated connection**

0.5...6 / 0.5...6
0.5...10 / 0.5...6

12 / 0.8 x 4.0 mm

Note

Ordering data

Version	
	dark beige

Note

Type	Qty.	Order No.
ATTB 6 PG CT	50	2762280000

Type	Qty.	Order No.
ATTB 6 PG VT	50	2762290000

Accessories

Plug	
	1-pole
	2-pole
	3-pole
	4-pole
Short circuit bridge	
	2-pole
	3-pole
	4-pole
Cross-connector	
	6-pole
	7-pole
	10-pole
End plate	dark beige
Lever link	
	1-pole
	2-pole
	for comparative measurement 2-pole
Test plug	orange
Switch Lock	
Marking tags	
Plug with make before break-function (MBB)	
	2-pole
	3-pole

Type	Qty.	Order No.
SCCB TTB 6/2	30 A 25	2710190000
SCCB TTB 6/3	30 A 25	2710200000
SCCB TTB 6/4	30 A 25	2710210000
ZQV 6N/6	41 A 20	2733950000
ZQV 6N/7	41 A 20	2733960000
ZQV 6N/10	41 A 20	2733970000
AEP TTB 6 PG	20	2762310000
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000
TS TTB 6 OR	48	2710470000
SL TTB 6	50	2710220000
DEK 5/8 PLUS MC NE WS	800	1046350000
DEK 5/8 PLUS MC WS LRP	800	2770670000
APG 6/2 MBB	30 A 20	2762330000
APG 6/3 MBB	30 A 20	2762340000

Type	Qty.	Order No.
APG 6/1	30 A 50	2762320000
APG 6/2	30 A 50	2882750000
APG 6/3	30 A 50	2882690000
APG 6/4	30 A 25	2829060000
SCCB TTB 6/2	30 A 25	2710190000
SCCB TTB 6/3	30 A 25	2710200000
SCCB TTB 6/4	30 A 25	2710210000
ZQV 6N/6	41 A 20	2733950000
ZQV 6N/7	41 A 20	2733960000
ZQV 6N/10	41 A 20	2733970000
AEP TTB 6 PG	20	2762310000
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/2 CM	50	2710370000
TS TTB 6 OR	48	2710470000
SL TTB 6	50	2710220000
DEK 5/8 PLUS MC NE WS	800	1046350000
DEK 5/8 PLUS MC WS LRP	800	2770670000

For detailed information on other accessories and application in the online catalogue



**Instrument transformer wiring**  
**TTB Range – Accessories**

**Accessories for test-disconnect terminal TTB 6**

**Short circuit bridge**

The short circuit bridge can be simply and quickly inserted into the terminal blocks. If several levers are connected simultaneously with the lever connector, the make before break can be realised. Once mounted, the short circuit bridge cannot be removed from the application.



**SCCB TTB 6**



Type	Qty.	Order No.
SCCB TTB 6/2	25	2710190000
SCCB TTB 6/3	25	2710200000
SCCB TTB 6/4	25	2710210000

**Lever link**

The lever link mechanically locks the connected disconnect levers of the terminal blocks. Switching the lever link together with the inserted short circuit bridge allows make before break functionality inside the application. Once mounted, the lever link cannot be removed from the application.



**LL TTB 6**



Type	Qty.	Order No.
LL TTB 6/1	50	2710230000
LL TTB 6/2	50	2710300000
LL TTB 6/3	50	2710440000
LL TTB 6/4	25	2710450000
LL TTB 6/6	10	2710460000

More colours at [catalog.weidmueller.com](http://catalog.weidmueller.com)

**Comparative measurement lever link**

The LL TTB 6 CM enables safe and fast comparative measurement. After lifting the LL TTB 6 CM, the two levers of the terminal blocks are mechanically separated from each other and can be switched independently. Once mounted, the lever link cannot be removed from the application.



**LL TTB 6 CM**



Type	Qty.	Order No.
LL TTB 6/2 CM	50	2710370000
LL TTB 6/3 CM	50	2726100000
LL TTB 6/4 CM	50	2726110000

More colours at [catalog.weidmueller.com](http://catalog.weidmueller.com)



**Test socket**

The test socket is used to connect test devices with a standard 4.0 plug with widths up to 10 mm into the terminal. Test sockets are arranged at an angle, therefore all standard measurements (even adjoining) can be realised within the terminal width of 8.1 mm. Once mounted, the test socket cannot be removed from the application.



**TS TTB 6**



Type	Qty.	Order No.
TS TTB 6 OR	48	2710470000
TS TTB 6 BL	48	2710480000
TS TTB 6 YL	48	2710500000
TS TTB 6 GN	48	2710490000
TS TTB 6 VT	48	2710530000

More colours at [catalog.weidmueller.com](http://catalog.weidmueller.com)



### Cross-connection

The cross-connection enables potential multiplication or the realisation of a star connection within the application.



### Contour-like PE terminal block

A PE terminal block with identical contour is a very useful component in a test-disconnect terminal block system, since it allows easy and safe realisation of star connection / reference points within the application.



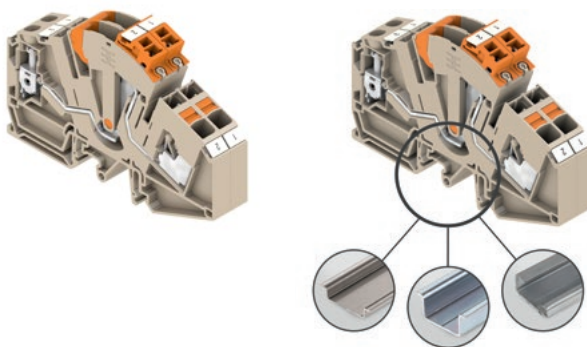
### Switch lock

The switch lock can be easily inserted into the terminal from above. The switch lock prevents unauthorised opening or closing of circuits as they block the disconnect lever in its respective position.



### Combi-foot (for WTTB 6 and HTTB 6)

Integrated combi-foot allows easy and quick mounting onto all available TH 35 and G32 rails, thus allowing cost and time effective panel retrofit.



### ZQV 6N/...



Type	Qty.	Order No.
ZQV 6N/4	60	1985780000
ZQV 6N/6	20	2733950000
ZQV 6N/7	20	2733960000
ZQV 6N/10	20	2733970000

### TTB 6 PE



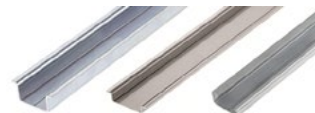
Type	Qty.	Order No.
ATTB 6 PE	50	2710080000
WTTB 6 PE	50	2710100000
HTTB 6 PE	50	2710120000

### SL TTB 6



Type	Qty.	Order No.
SL TTB 6	50	2710220000

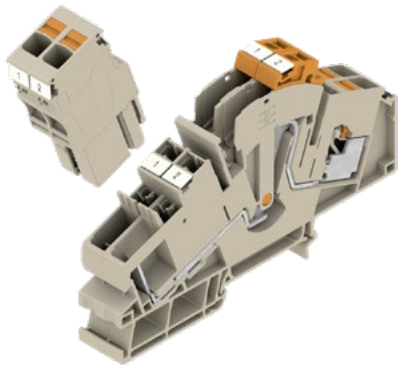
### TS35 x... / TS32 x...



Type	Qty.	Order No.
TS 32X15 2M/ST/ZN	2	0122800000
TS 35X7.5/LL 2M/ST/ZN	2	0514500000
TS 35X15/LL 2M/ST/ZN	2	0236500000



## Accessories for test-disconnect terminal TTB 6

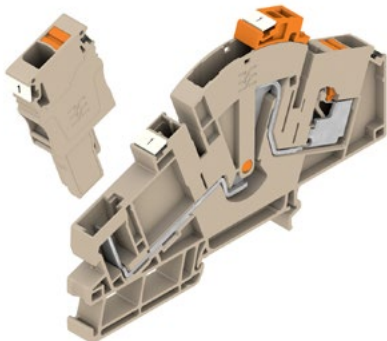


### Plug with MBB function

The specially designed 2- and 3-pole self shorting plugs offer, in addition to all handling advantages, a guarantee make-before-break contact.

Type	Qty.	Order No.
APG 6/2 MBB	50	2762330000
APG 6/3 MBB	50	2762340000

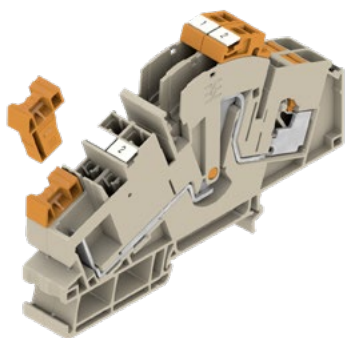
## B



### Standard plug

For voltage circuits a simple feed-through plug offered with the ATTB 6 PG VT guarantees the same handling easiness and safety required also for voltage circuits.

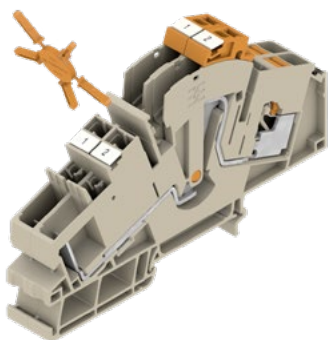
Type	Qty.	Order No.
APG 6/1	50	2762320000
MCV APG 6	50	2762380000



### Protective cover

The cover of the plug contact offers protection from external influences, e.g. soiling from dust.

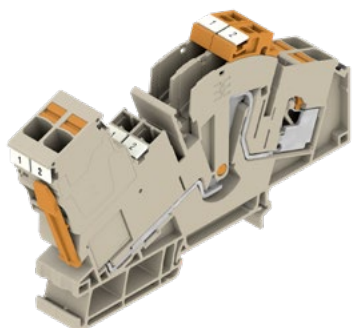
Type	Qty.	Order No.
APGPC 6	50	2762410000



### Coding element

With the use of coding pins, individual coding options ensure trouble-free plug-in connection.

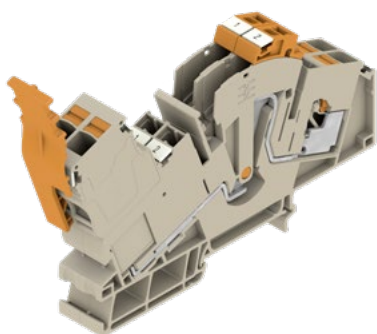
Type	Qty.	Order No.
APGCE	50	1514490000



### Locking element

The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the base terminal and ensures maximum safety.

Type	Qty.	Order No.
APGLE	50	2762400000



### Strain relief

The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.

Type	Qty.	Order No.
APGSR	50	2762390000



# Application examples

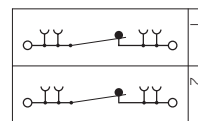
## Changing a Protection/Metering device



### Planning and installation: Equipping the terminal blocks with accessories

#### 1. SCCB TTB 6 short circuit bridge installation in progress

The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in its dedicated channel. Once mounted, the short circuit bridge cannot be removed from the application.

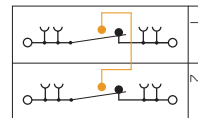


B



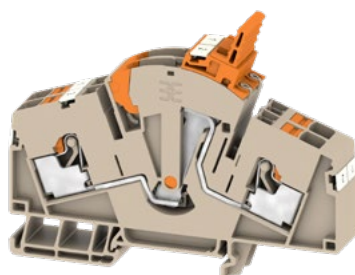
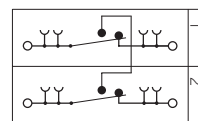
#### 2. SCCB TTB 6 short circuit bridge installation completed

When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



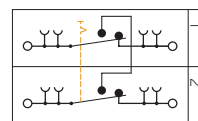
#### 3. LL TTB 6 lever link installation in progress

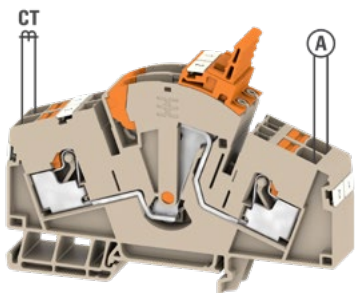
The lever link is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.



#### 4. LL TTB 6 lever link installation completed

The mechanical connection between the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers.

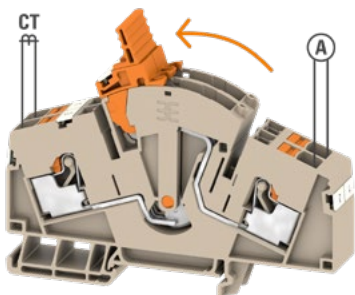
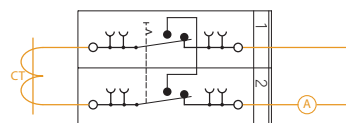




### Installation: Wiring transformer and ammeter wiring

#### Wiring of current transformer and ammeter

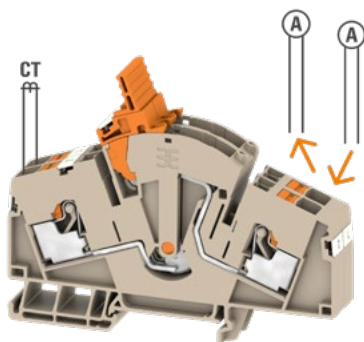
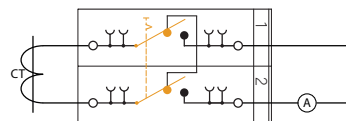
The transformer will be connected in the clamping units upstream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.



### Operation: Changing an ammeter

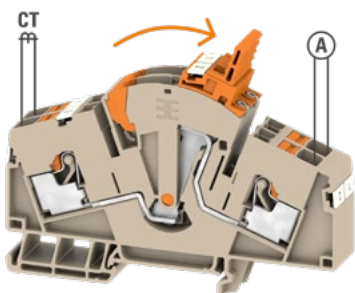
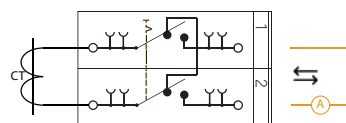
#### 1. Switching the lever link

Switching the lever link causes an automatic short circuit (make before break mechanism) on the secondary wiring of the current transformer. This prevents the voltage on the current transformer from surging and protects it from damage leading to its destruction.



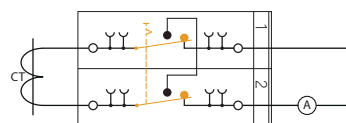
#### 2. Replacing the ammeter

After short-circuiting the current transformer side and simultaneously disconnecting the circuit through the lever switching, the ammeter can be replaced easily and safely.



#### 3. Restoring the lever link back into original position

Switching backwards the lever, restores the entire arrangement into its original status. The transition from the automatic short circuit back to the initial position is realised smoothly and safely.



## Application examples

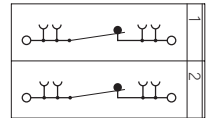
### Performing a comparative measurement



#### Planning and installation: Equipping the terminal blocks with accessories

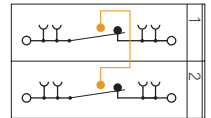
##### 1. SCCB TTB 6 short circuit bridge installation in progress

The short circuit bridge is inserted quickly and easily on the transformer side of the terminal block in its dedicated channel. Once mounted, the short circuit bridge cannot be removed from the application.



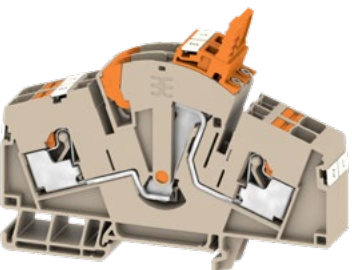
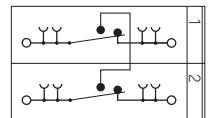
##### 2. SCCB TTB 6 short circuit bridge installation completed

When inserted, depending on the position of the disconnect lever, an electrical connection (short circuit) between the two terminal blocks can be realised.



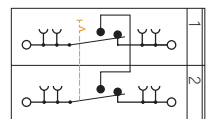
##### 3. LL TTB 6 CM lever link installation in progress

The CM lever link (having long, asymmetrical, red coloured foot) is plugged into the housings of the disconnect lever of the respective terminal blocks from above and creates a mechanical connection between them. Once mounted, the lever link cannot be removed from the application.



##### 4. LL TTB 6 CM lever link installation completed

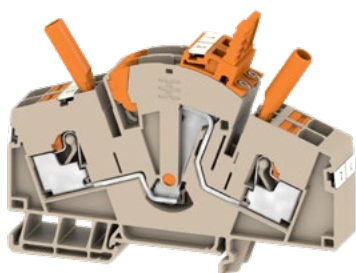
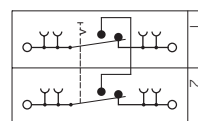
The mechanical connection of the lever mechanisms allows simultaneous opening or closing of two or more disconnect levers. By lifting the LL TTB 6 CM, the two (or more) disconnect levers of the terminal blocks are disengaged from each other and can be switched independently. Prior to any re-energising of the circuit, the CM needs to be pushed down into original position and the circuit closed.





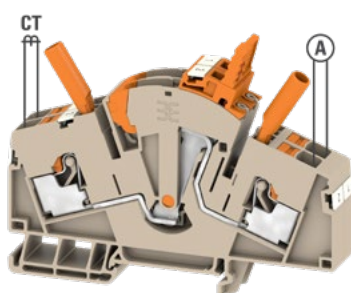
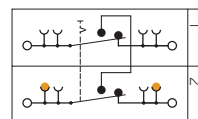
### 5. TS TTB 6 test sockets installation in progress

The TS TTB 6 test sockets are inserted into the bespoke housings provided in the terminal blocks from above. Once inserted, the test sockets cannot be removed from the installation.



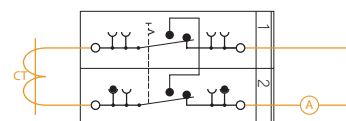
### 6. TS TTB 6 test sockets installation completed

The test sockets are used to connect test devices with a standard 4.0 plug with widths up to 10 mm into the terminal. Test sockets are arranged at an angle, therefore all standard measurements (even adjoining) can be realised within the terminal width of 8.1 mm. Once mounted, the test socket cannot be removed from the application.



### Installation: Wiring the transformer and the ammeter

The transformer will be connected in the clamping unit upstream the disconnect lever and the ammeter will be connected in the clamping units downstream the disconnect lever.

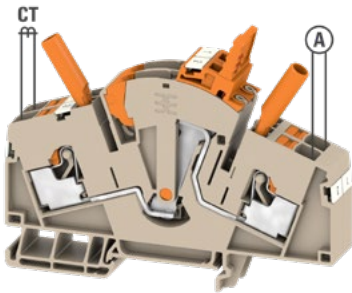


**B**



# Application examples

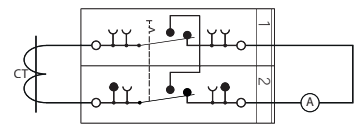
## Performing a comparative measurement



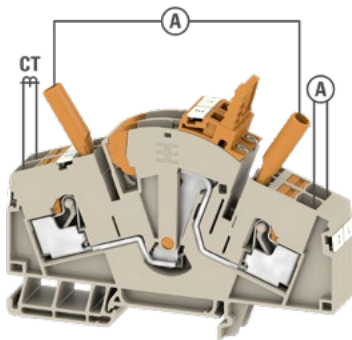
### Operation: Performing a comparative measurement

#### 1. Configuration correctly equipped

The installation of the required accessories to equip the terminal arrangement for comparative measurement and also the wiring of the primary side as well as the secondary side, has already been carried out. The installation is correctly prepared to perform the required operations.

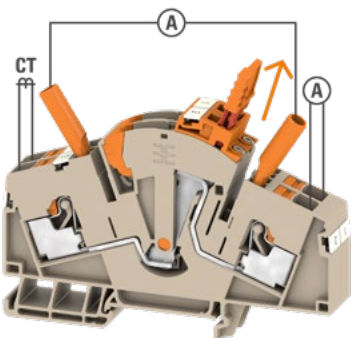
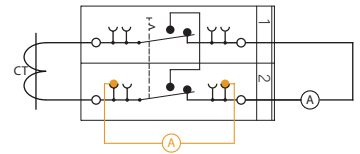


B



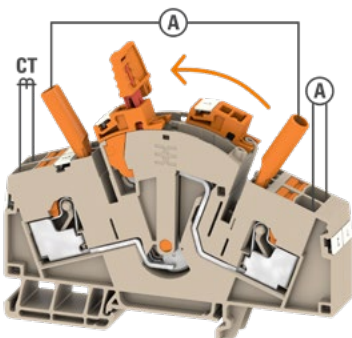
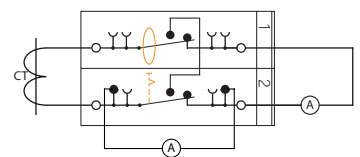
#### 2. Connection of a reference measuring (calibrated) instrument

The reference measuring (calibrated) instrument is connected via standard 4.0 plugs to the test sockets on a terminal block. The connection is made inserting in parallel the calibrated instrument to the terminal block, where the disconnection will take place.



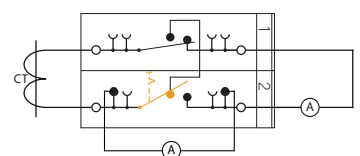
#### 3. Lifting up the LL TTB 6 CM lever link

Lifting up the lever link LL TTB 6 CM causes a mechanical decoupling of the two disconnect levers. Now the two disconnect levers can be operated independently from each other within this application.

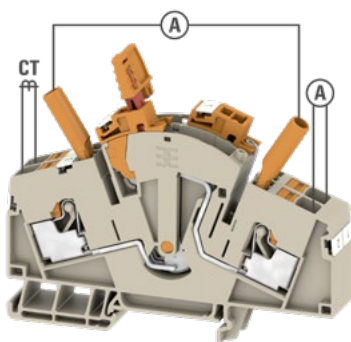


#### 4. Switching the LL TTB 6 CM lever link

By switching the previously decoupled lever link, the current flow is diverted from the terminal block through the now parallel-connected reference measuring instrument.

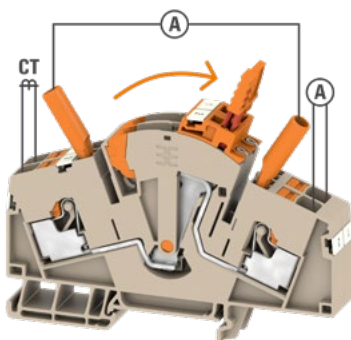
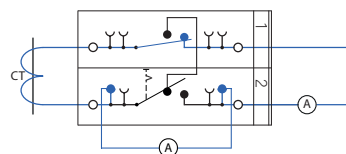






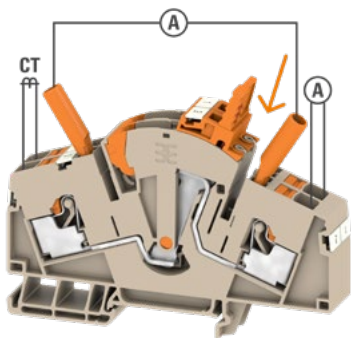
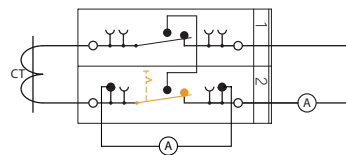
### 5. Performing the comparative reading of the two ammeters

The values measured by the ammeter connected downstream can now be compared with the values given by the reference meter since both instruments are reading the same current. The comparison measurement has now been successfully completed and the correct functional verification of the ammeter connected downstream the terminal has been carried out.



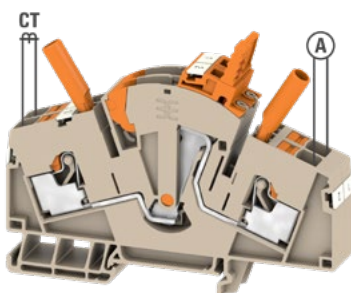
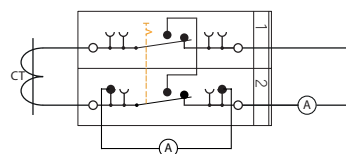
### 6. Restoring the lever link back into original position

Switching backwards the lever, restores the entire arrangement into its original status. The transition from the comparative measurement status back to the initial position is realised smoothly and safely.



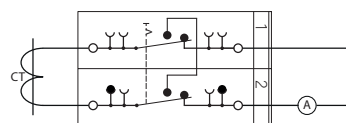
### 7. Pressing down the LL TTB 6 CM lever link

Pressing down the LL TTB 6 CM lever link restores the mechanical connection of the two disconnect levers within the application.



### 8. Disconnecting of the reference measuring instrument

The reference measurement instrument is therefore disconnected from the installation by simply removing its plugs from the test sockets of the terminal block and the installation is restored in the initial status



## Clear wiring for high-density signalling levels

### With Klippon® Connect in the smallest spaces

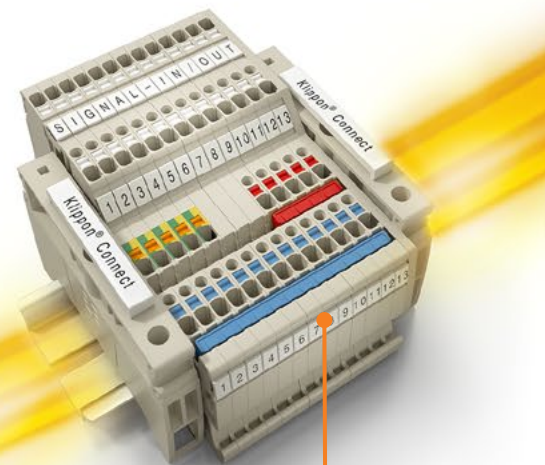


With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

#### Our promise

With tailored application products, Klippon® Connect offers all the benefits required for structured wiring of initiator and actuator signals. The simple handling and the maximum flexibility in the choice of design meets the requirements for reliable signal wiring simply, efficiently and safely.

B



#### Safety

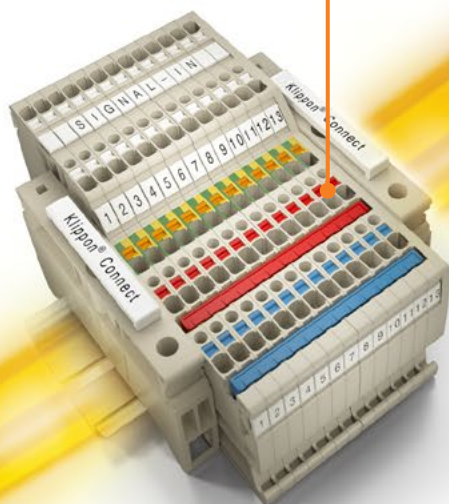
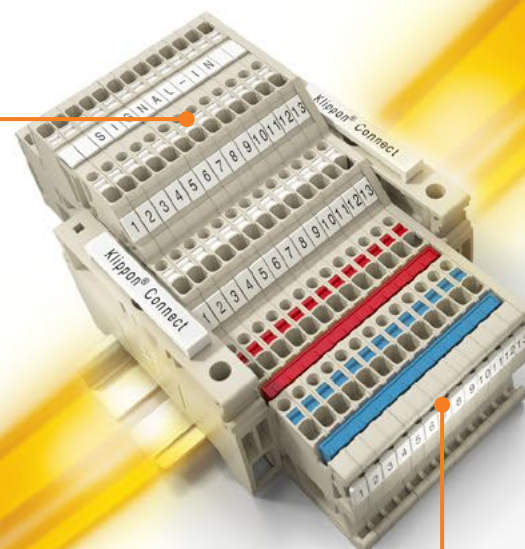
- Test options on every terminal
- Vibration-resistant and gas-tight connections
- Top-level safety for machines and systems

**Space saving**

- Up to four different potentials on a terminal just 3.5 mm wide
- Structuring and combining of signals in confined spaces

**Time saving**

- Simple to use thanks to PUSH IN technology
- Convenient plus/minus potential distribution through range of cross connection options
- Simple wiring thanks to colour-coded pushers

**Flexibility**

- Maximum clarity thanks to wide variety of labelling options
- User and service-friendly thanks to clear design
- A wide assortment of variants in three designs

**Signal wiring**  
**PUSH IN connection**

Application range

**AIO – sensor-actuator terminal blocks**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

<b>Version</b>	
	dark beige
	Orange
<b>Note</b>	

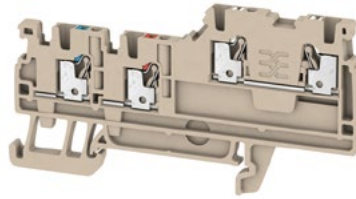
**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
<b>End plate</b>	
<b>End bracket</b>	
	dark beige, screwable
	dark beige, direct mounting
<b>Test adapter</b>	
	1-pole
	stackable
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Marking tags</b>	

For detailed information on other accessories and application in the online catalogue

**AI021 1.5 SI**

**1.5 mm<sup>2</sup>**



3.5 x 80 x 42	
<b>13.5 / 1.5</b>	
<b>0.14...1.5</b>	

Ex eb II C GbII  
In accordance with IEC 60947-7-1 2 G D

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			

Rated connection

0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

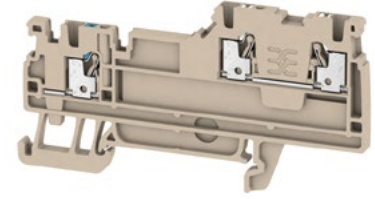
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AI021 1.5 SI	100	1992260000
AI021 1.5 SI OR	100	2579610000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP IO21	50	1993580000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
DEK 5/3.5 MM WS	1000	2007100000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

For detailed information on other accessories and application in the online catalogue

**AI021 1.5 SO**

**1.5 mm<sup>2</sup>**



3.5 x 80 x 42	
<b>13.5 / 1.5</b>	
<b>0.14...1.5</b>	

Ex eb II C GbII  
In accordance with IEC 60947-7-1 2 G D

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			

Rated connection

0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

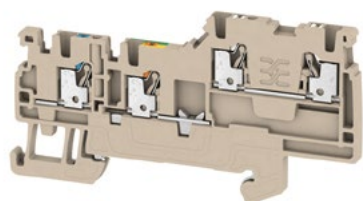
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AI021 1.5 SO	100	1992240000
AI021 1.5 SO OR	100	2579570000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP IO21	50	1993580000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
DEK 5/3.5 MM WS	1000	2007100000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

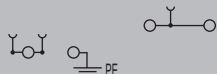
For detailed information on other accessories and application in the online catalogue

AI021 1.5 SO-PE

1.5 mm<sup>2</sup>



3.5 x 80 x 42  
13.5 / 1.5  
0.14...1.5



Ex eb II C Gbll

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

4 kV / 3

A1 / V-0



Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

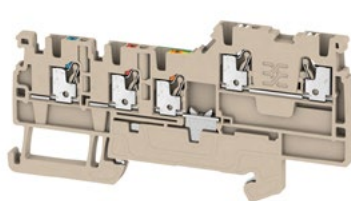
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AI021 1.5 SO-PE	100	1992250000
AI021 1.5 SO-PE OR	100	2579580000

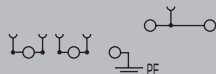
Type	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP IO21	50	1993580000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
DEK 5/3.5 MM WS	1000	2007100000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

AI022 1.5 SI-PE

1.5 mm<sup>2</sup>



3.5 x 89 x 45  
13.5 / 1.5  
0.14...1.5



Ex eb II C Gbll

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

4 kV / 3

A1 / V-0



Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

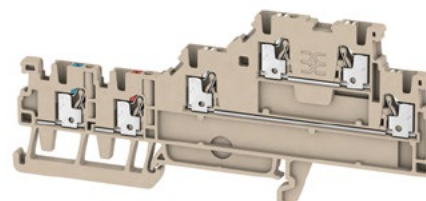
8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AI022 1.5 SI-PE	100	1992230000
AI022 1.5 SI-PE OR	100	2579640000

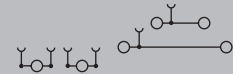
Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP IO22	50	1993590000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
DEK 5/3.5 MM WS	1000	2007100000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

AI023 1.5 2SI

1.5 mm<sup>2</sup>



3.5 x 110 x 49.5  
13.5 / 1.5  
0.14...1.5



Ex eb II C Gbll

2 G D



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150	150	220
13.5	13	13	12
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

4 kV / 3

A1 / V-0



Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Type	Qty.	Order No.
AI023 1.5 2SI	100	1992220000
AI023 1.5 2SI OR	100	2579620000

Type	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A 60	1985650000
ZQV 1.5N/10 RD	17.5 A 20	1985800000
ZQV 1.5N/2 BL	17.5 A 60	1985530000
ZQV 1.5N/10 BL	17.5 A 20	1985680000
AEP IO23	50	1993600000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 V0	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MI-R	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
DEK 5/3.5 MM WS	1000	2007100000
WS 8/3.5 MM WS	1000	2007140000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000



# Space-saving connection of process control systems

## Efficient marshalling and distribution with Klippon® Connect signals

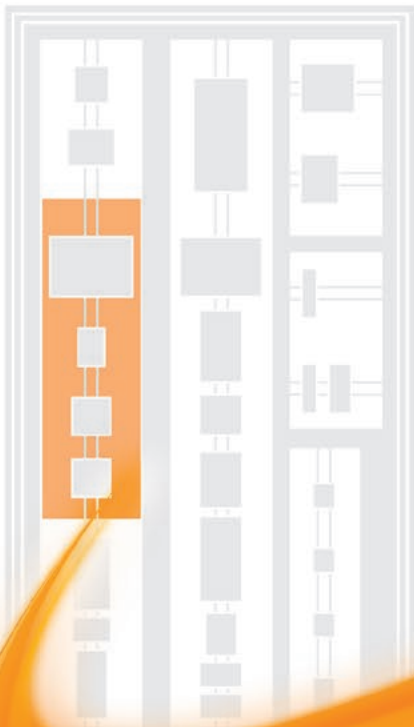


Increasingly complex requirements for automation processes and increasing demands in terms of monitoring and recording operational data have led to an ever-increasing number of sensors in the field for process technology. This means that space- and time-saving wiring of signals in Signal marshalling panels in the process and energy generation industries is becoming increasingly demanding. Our terminal blocks for Signal marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.

### Our promise

With our terminal blocks for Signal marshalling, you have maximum flexibility from the planning phase: potential later extensions can be planned in from the start. This means that Klippon® Connect saves you time and money and considerably improves productivity.

B





#### Space saving

- Up to 50 percent more space in the panel thanks to optimised design
- Subsequent design extensions can be considered from the outset

#### Safety

- Guaranteed vibration-proof and gas-tight connections
- Protection against electromagnetic influences

B





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

Note
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### Ordering data

Version	black for TS 35x15 blue for TS 35x15 black for TS 35x7.5 blue for TS 35x7.5
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Note
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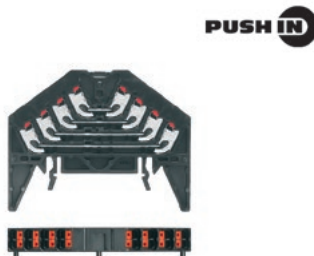
### Accessories

End plate	black blue grey
Marker holder	black for TS 35x15 blue for TS 35x15 black for TS 35x7.5 blue for TS 35x7.5
Spacer	Unprinted Printed 0...3 or 0...7 or 0...15 Printed 1...4 or 1...8 or 1...16 Printed A...D or A...H or A...P
End bracket	black
Screwdriver	Standard
Plug-in cross-connection	2-pole
Marking tags	

For detailed information on other accessories and application in the online catalogue

### PRV 4 RT

1.5 mm<sup>2</sup>



9.2 x 70 x 54.5	
13 / 1.5	
0.13...1.5	

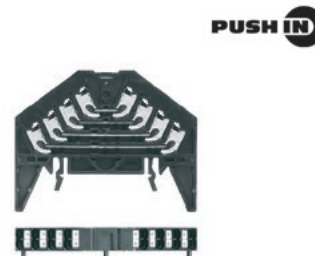
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			
CE			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

Type	Qty.	Order No.
PRV 4 SW 35X15 RT	20	1173810000
PRV 4 BL 35X15 RT	20	1267890000
PRV 4 SW 35X7.5 RT	20	1173830000
PRV 4 BL 35X7.5 RT	20	1267900000

Type	Qty.	Order No.
PAP PRV/PPV4 SW	10	1173750000
PAP PRV/PPV4 BL	10	1268010000
PAP PRV/PPV4 GR	10	1211450000
BZT PRV4 SW 35X15	20	1173590000
BZT PRV4 BL 35X15	20	1267980000
BZT PRV4 SW 35X7.5	20	1173600000
BZT PRV4 BL 35X7.5	20	1267990000
TW PRV4	10	1173700000
TW PRV4 0-3	10	1230060000
TW PRV4 1-4	10	1230050000
TW PRV4 A-D	10	1230070000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

### PRV 4 WS

1.5 mm<sup>2</sup>



9.2 x 70 x 54.5	
13 / 1.5	
0.13...1.5	

IEC 60947-7-1, DIN EN 60079			
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			
CE			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

Type	Qty.	Order No.
PRV 4 SW 35X15 WS	20	1173820000
PRV 4 BL 35X15 WS	20	1173920000
PRV 4 SW 35X7.5 WS	20	1173840000
PRV 4 BL 35X7.5 WS	20	1173930000

Type	Qty.	Order No.
PAP PRV/PPV4 SW	10	1173750000
PAP PRV/PPV4 BL	10	1268010000
PAP PRV/PPV4 GR	10	1211450000
BZT PRV4 SW 35X15	20	1173590000
BZT PRV4 BL 35X15	20	1267980000
BZT PRV4 SW 35X7.5	20	1173600000
BZT PRV4 BL 35X7.5	20	1267990000
TW PRV4	10	1173700000
TW PRV4 0-3	10	1230060000
TW PRV4 1-4	10	1230050000
TW PRV4 A-D	10	1230070000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

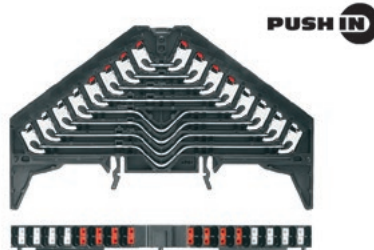
For detailed information on other accessories and application in the online catalogue





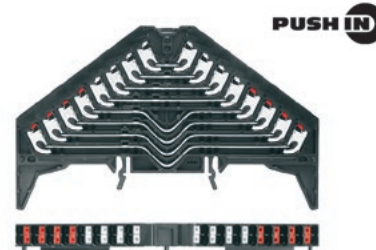
PRV 8 RT/WS

1.5 mm<sup>2</sup>



PRV 8 WS/RT

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 120 x 73	
10 / 1.5	
0.13...1.5	

9.2 x 120 x 73	
10 / 1.5	
0.13...1.5	

Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

IEC 60947-1

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5

Note

Type	Qty.	Order No.
PRV 8 SW 35X15 RT/WS	20	1173740000
PRV 8 BL 35X15 RT/WS	20	1267830000
PRV 8 SW 35X7.5 RT/WS	20	1173790000
PRV 8 BL 35X7.5 RT/WS	20	1267840000

Type	Qty.	Order No.
PRV 8 SW 35X15 WS/RT	20	1173780000
PRV 8 BL 35X15 WS/RT	20	1173900000
PRV 8 SW 35X7.5 WS/RT	20	1173800000
PRV 8 BL 35X7.5 WS/RT	20	1173910000

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
Spacer	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Plug-in cross-connection	
	2-pole
Marking tags	

Type	Qty.	Order No.
PAP PRV/PPV8 SW	10	1173720000
PAP PRV/PPV8 BL	10	1268000000
PAP PRV/PPV8 GR	10	1211460000
BZT PRV8 SW 35X15	20	1173570000
BZT PRV8 BL 35X15	20	1267950000
BZT PRV8 SW 35X7.5	20	1173580000
BZT PRV8 BL 35X7.5	20	1267970000
TW PRV8	10	1173670000
TW PRV8 0-7	10	1230090000
TW PRV8 1-8	10	1230080000
TW PRV8 A-H	10	1230110000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

Type	Qty.	Order No.
PAP PRV/PPV8 SW	10	1173720000
PAP PRV/PPV8 BL	10	1268000000
PAP PRV/PPV8 GR	10	1211460000
BZT PRV8 SW 35X15	20	1173570000
BZT PRV8 BL 35X15	20	1267950000
BZT PRV8 SW 35X7.5	20	1173580000
BZT PRV8 BL 35X7.5	20	1267970000
TW PRV8	10	1173670000
TW PRV8 0-7	10	1230090000
TW PRV8 1-8	10	1230080000
TW PRV8 A-H	10	1230110000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

For detailed information on other accessories and application in the online catalogue





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

<b>Note</b>
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### Ordering data

Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5

<b>Note</b>
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### Accessories

End plate	
	black
	blue
	grey

Marker holder	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5

Spacer	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P

<b>End bracket</b>	black
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<b>Screwdriver</b>	Standard
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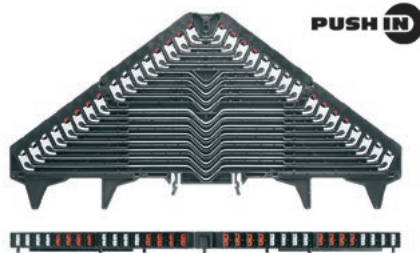
<b>Plug-in cross-connection</b>	2-pole
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<b>Marking tags</b>	
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For detailed information on other accessories and application in the online catalogue

### PRV 16 RT/WS

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			

CE e FUS FRC

Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
PRV 16 SW 35X15 RT/WS	20	1173620000
PRV 16 BL 35X15 RT/WS	20	1267790000
PRV 16 SW 35X7.5 RT/WS	20	1173680000
PRV 16 BL 35X7.5 RT/WS	20	1267810000

Type	Qty.	Order No.

Type	Qty.	Order No.
BZT PRV16 SW 35X15	20	1173540000
BZT PRV16 BL 35X15	20	1267930000
BZT PRV16 SW 35X7.5	20	1173550000
BZT PRV16 BL 35X7.5	20	1267940000

Type	Qty.	Order No.
TW PRV16	10	1173630000
TW PRV16 0-15	10	1230130000
TW PRV16 1-16	10	1230120000
TW PRV16 A-P	10	1230140000

WEW 35/1 SW	50	1162600000
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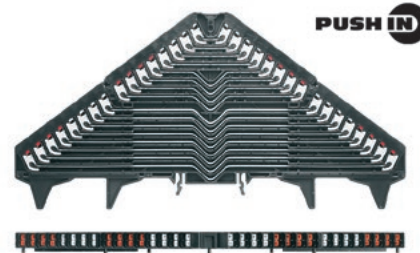
SDIS SLIM 0.6X3.5X100	1	2749610000
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SRC-I QV P	10	8870840000
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WS 7.8/9.2 PLUS MC NE GR	360	1208970000
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### PRV 16 WS/RT

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5	16	AWG 26...16	
4 kV / 3			
/ V-0			

CE e FUS FRC

Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
PRV 16 SW 35X15 WS/RT	20	1173650000
PRV 16 BL 35X15 WS/RT	20	1267800000
PRV 16 SW 35X7.5 WS/RT	20	1173710000
PRV 16 BL 35X7.5 WS/RT	20	1267820000

Type	Qty.	Order No.

Type	Qty.	Order No.
BZT PRV16 SW 35X15	20	1173540000
BZT PRV16 BL 35X15	20	1267930000
BZT PRV16 SW 35X7.5	20	1173550000
BZT PRV16 BL 35X7.5	20	1267940000

Type	Qty.	Order No.
TW PRV16	10	1173630000
TW PRV16 0-15	10	1230130000
TW PRV16 1-16	10	1230120000
TW PRV16 A-P	10	1230140000

WEW 35/1 SW	50	1162600000
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SDIS SLIM 0.6X3.5X100	1	2749610000
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SRC-I QV P	10	8870840000
------------	----	------------

WS 7.8/9.2 PLUS MC NE GR	360	1208970000
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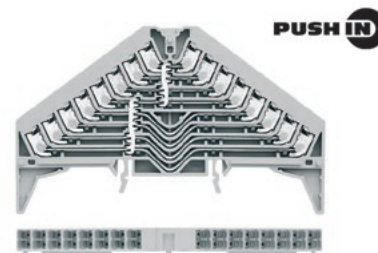
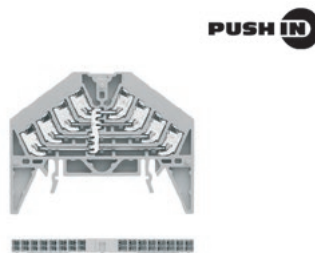


PPV 4

1.5 mm<sup>2</sup>

PPV 8

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 70 x 54.5	
/ 1.5	
0.13...1.5	

9.2 x 120 x 73	
/ 1.5	
0.13...1.5	

Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

Note

Ordering data

Version	
	blue for TS 35x15
	grey for TS 35x15
	orange for TS 35x15
	blue for TS 35x7.5
	grey for TS 35x7.5
	orange for TS 35x7.5

Type	Qty.	Order No.
PPV 4 BL 35X15 DGR	20	1267910000
PPV 4 GR 35X15 DGR	20	1173880000
PPV 4 OR 35X15 DGR	20	1301610000
PPV 4 BL 35X7.5 DGR	20	1267920000
PPV 4 GR 35X7.5 DGR	20	1173890000
PPV 4 OR 35X7.5 DGR	20	1301630000

Type	Qty.	Order No.
PPV 8 BL 35X15 DGR	20	1267870000
PPV 8 GR 35X15 DGR	20	1173850000
PPV 8 OR 35X15 DGR	20	1301620000
PPV 8 BL 35X7.5 DGR	20	1267880000
PPV 8 GR 35X7.5 DGR	20	1173870000
PPV 8 OR 35X7.5 DGR	20	1301640000

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
Spacer	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Plug-in cross-connection	
	2-pole
Marking tags	

Type	Qty.	Order No.
PAP PRV/PPV4 SW	10	1173750000
PAP PRV/PPV4 BL	10	1268010000
PAP PRV/PPV4 GR	10	1211450000
BZT PRV4 SW 35X15	20	1173590000
BZT PRV4 BL 35X15	20	1267980000
BZT PRV4 SW 35X7.5	20	1173600000
BZT PRV4 BL 35X7.5	20	1267990000
TW PRV4	10	1173700000
TW PRV4 0-3	10	1230060000
TW PRV4 1-4	10	1230050000
TW PRV4 A-D	10	1230070000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

Type	Qty.	Order No.
PAP PRV/PPV8 SW	10	1173720000
PAP PRV/PPV8 BL	10	1268000000
PAP PRV/PPV8 GR	10	1211460000
BZT PRV8 SW 35X15	20	1173570000
BZT PRV8 BL 35X15	20	1267950000
BZT PRV8 SW 35X7.5	20	1173580000
BZT PRV8 BL 35X7.5	20	1267970000
TW PRV8	10	1173670000
TW PRV8 0-7	10	1230090000
TW PRV8 1-8	10	1230080000
TW PRV8 A-H	10	1230110000
ZEW 35/2 SW	20	1162610000
SDIS SLIM 0.6X3.5X100	1	2749610000
SRC-I QV P	10	8870840000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000

For detailed information on other accessories and application in the online catalogue



# Safe, error-free plant operation

## Efficient shielding and earthing with Klippon® Connect



The safety and availability of plants must be guaranteed at all times. Careful planning and installation of safety functions play a particularly important role. For personnel protection, we offer a wide range of PE terminal blocks.

### Our promise

Klippon® Connect reliably guarantees the protection of personnel and machines and increases plant availability. You can improve your productivity and benefit from more efficient planning and increased safety during installation and operation.

B

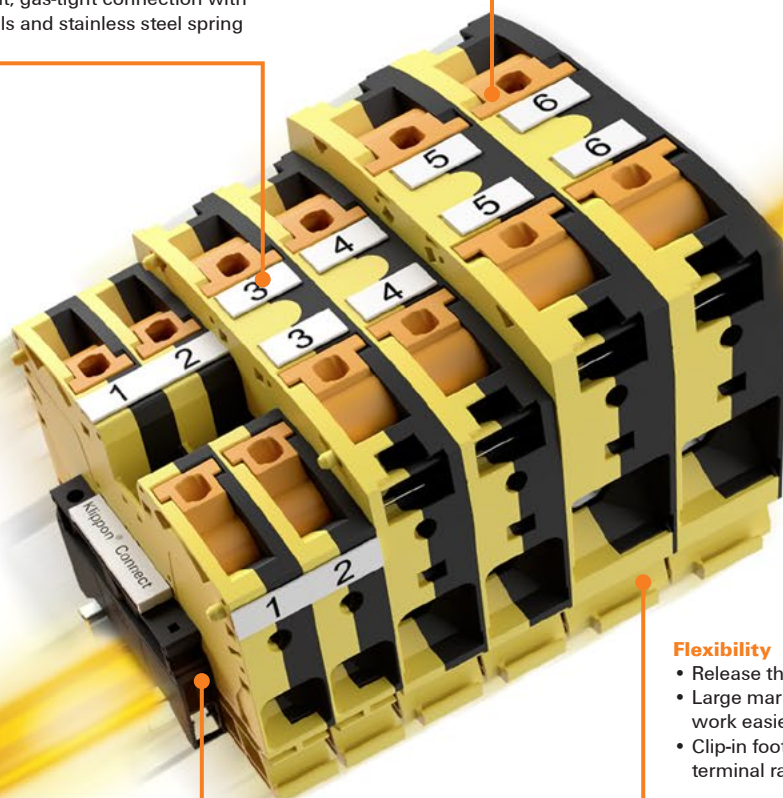


**Safety**

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

**Space-saving design**

- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail

**Flexibility**

- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

**Time saving**

- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

B



# B



## Practical tip

### Functional earth terminal blocks

According to the Machinery Directive 2006/42EG, terminal blocks may be white when used for functional earthing. PE terminals with a protective function for life and limb must still be green-yellow, but can also be used for functional earthing. The symbols used are extended in order to clarify the use as a functional earth.

Weidmüller offers white PE terminals for systems in which this distinction should or must be made. The colour of these terminals clearly indicates that the respective circuits are exclusively to provide functional protection for the connected electronic system.

Symbol for functional earth:



Symbol for protection earth:



**A-Series**  
with PUSH IN technology



Type	Qty.	Order No.
A2C 2.5 FE WT	50	2690460000
A4C 2.5 FE WT	50	2690470000
A2C 4 FE WT	50	2734150000
A2C 6 FE WT	50	2734160000
A2C 10 FE WT	50	2734170000



**Shielding and earthing**  
**Functional earth – PUSH IN connection**



**A2C 2.5 FE WT**

**2.5 mm<sup>2</sup>**



**A4C 2.5 FE WT**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 55 x 36.5	/ 4	
<b>0.14...4</b>		

5.1 x 77.5 x 36.5	/ 4	
<b>0.14...4</b>		

**Technical data**

Rated data	
Rated voltage	-
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
/ 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
0.5...0.75			
10 / 0.6 x 3.5 mm			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
/ 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...4			
0.5...4 / 0.5...2.5			
0.5...0.75			
10 / 0.6 x 3.5 mm			

Note

Note

Note

**Ordering data**

Version	white
Note	

Type	Qty.	Order No.
A2C 2.5 FE WT	50	<b>2690460000</b>

Type	Qty.	Order No.
A4C 2.5 FE WT	50	<b>2690470000</b>

**Accessories**

End plate	dark beige
End bracket	dark beige, screwable dark beige, direct mounting
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Marking tags	

Type	Qty.	Order No.
AEP 2C 2.5	50	<b>1514400000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MHR	0.2 A 50	<b>1991960000</b>
ATPG 2.5/3	0.2 A 25	<b>2041190000</b>
ATPG 2.5/5	0.2 A 25	<b>2041180000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

Type	Qty.	Order No.
AEP 2C 2.5	50	<b>1514400000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MHR	0.2 A 50	<b>1991960000</b>
ATPG 2.5/3	0.2 A 25	<b>2041190000</b>
ATPG 2.5/5	0.2 A 25	<b>2041180000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS	600	<b>2003770000</b>

For detailed information on other accessories and application in the online catalogue

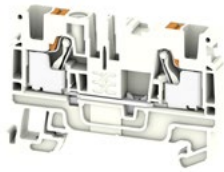
For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue



A2C 4 FE WT

4 mm<sup>2</sup>



6.1 x 60 x 39.5  
/ 6  
0.14...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	8 kV / 3 A4 / V-0		

CE

Rated connection

0.5...4 / 0.5...6

0.5...6 / 0.5...4

0.5...1.5

12 / 0.6 x 3.5 mm

A2C 6 FE WT

6 mm<sup>2</sup>



8.1 x 66.5 x 45.5  
/ 10  
0.34...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	8 kV / 3 A5 / V-0		

CE

Rated connection

0.5...6 / 0.5...6

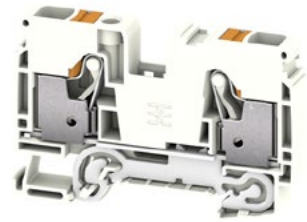
0.5...10 / 0.5...6

0.5...1.5

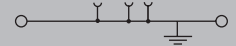
12 / 0.6 x 3.5 mm

A2C 10 FE WT

10 mm<sup>2</sup>



10 x 80.5 x 51.5  
/ 16  
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	/ 3 A6 / V-0		

CE KEUR

Rated connection

0.5...10 / 0.5...10

0.5...10 / 0.5...10

0.5...4

18 / 0.6 x 3.5 mm

Type	Qty.	Order No.
A2C 4 FE WT	50	2734150000

Type	Qty.	Order No.
A2C 6 FE WT	50	2734160000

Type	Qty.	Order No.
A2C 10 FE WT	50	2734170000

Type	Qty.	Order No.	
AEP 2C 4	50	2051680000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 4 M-R	0.2 A	50	1991860000
PS 2.0 MC	20	0310000000	
SDIL 0,6X3,5X100	1	2749140000	
WS 10/6 M PLUS MC NE WS	600	2003780000	
DEK 5/6 MM WS	600	2007120000	
WS 8/6 MM WS	600	2007160000	
DEK 5/6 PLUS MC NE WS	1000	1011320000	

Type	Qty.	Order No.	
AEP 2C 6	50	1991970000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
ATPG 6 M-R	0.2 A	50	1991930000
PS 2.0 MC	20	0310000000	
SDIL 1,0X5,5X125	1	2749160000	
DEK-A 5/8 MM WS	500	2448860000	
DEK 5/8 PLUS MC NE WS	800	1046350000	
WS-A 8/8 MM WS	500	2448930000	
WS 10/8 PLUS MC NE WS	420	1905950000	

Type	Qty.	Order No.	
AEP 2C 10/16	20	2490380000	
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 VO	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDIL 1,0X5,5X125	1	2749160000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/8 PLUS MC NE WS	800	1046350000	
WS 10/8 PLUS MC NE WS	420	1905950000	

**Shielding and earthing**  
**Functional earth – PUSH IN connection**



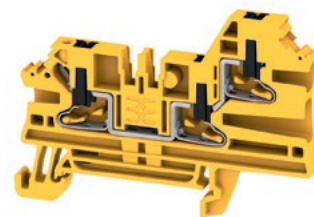
**AL2C 2.5 FE**

2.5 mm<sup>2</sup>



**AL3C 2.5 FE**

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 57 x 36.5
<b>24 / 2.5</b>
<b>0.14...2.5</b>

5.1 x 68 x 48
<b>24 / 2.5</b>
<b>0.14...2.5</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
0.5...0.75			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
0.5...0.75			
10 / 0.6 x 3.5 mm			

Note

**Ordering data**

Version
yellow/black
Note

Type	Qty.	Order No.
AL2C 2.5 FE	50	2847320000

Type	Qty.	Order No.
AL3C 2.5 FE	50	2847450000

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Marking tags	

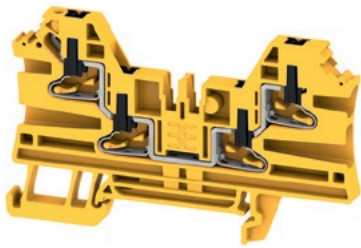
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ALEP 2C 2.5	20	2871750000
ALEP 2C 2.5 BL	20	2871760000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000
ALEP 3C 2.5	20	2871770000
ALEP 3C 2.5 BL	20	2871780000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

For detailed information on other accessories and application in the online catalogue

AL4C 2.5 FE

2.5 mm<sup>2</sup>



5.1 x 79.5 x 48  
24 / 2.5  
0.14...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
0.5...0.75  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL4C 2.5 FE	50	2847580000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/10	24 A 20	1527690000

ALEP 4C 2.5	20	2871790000
ALEP 4C 2.5 BL	20	2871800000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

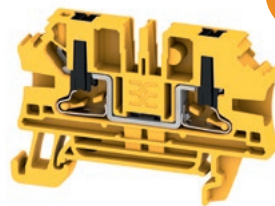
PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000
WS 10/5 M PLUS MC NE WS	600	2003770000

AL2C 4 FE

4 mm<sup>2</sup>



Q3  
2023

6.1 x 60 x 39.5  
32 / 4  
0.14...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
8 kV / 3			
A4 / V-0			

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL2C 4 FE		2871980000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000

ALEP 2C 4		2871810000
ALEP 2C 4 BL		2871820000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000

PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

AL3C 4 FE

4 mm<sup>2</sup>



Q3  
2023

6.1 x 71.5 x 52.5  
32 / 4  
0.14...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
8 kV / 3			
A4 / V-0			

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
AL3C 4 FE		2872100000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/10	32 A 20	1528090000

ALEP 3C 4		2871830000
ALEP 3C 4 BL		2871840000

AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000

ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 MHR	0.2 A 50	1991860000

PS 2.0 MC	20	0310000000
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SDIL 0,6X3,5X100	1	2749140000
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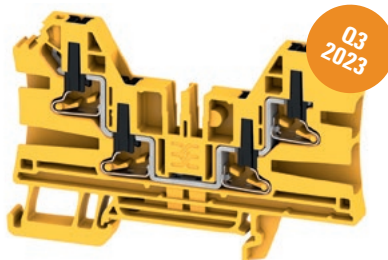
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000



**Shielding and earthing**  
**Functional earth – PUSH IN connection**

**AL4C 4 FE**

**4 mm<sup>2</sup>**



**A4C 6 FE**

**6 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 83 x 52.5
<b>32 / 4</b>
<b>0.14...4</b>

8.1 x 102 x 45.5
<b>41 / 10</b>
<b>0.34...10</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
32			
4			
		8 kV / 3	
		A4 / V-0	
Rated connection			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 0.6 x 3.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
41			
6			
		8 kV / 3	
		A5 / V-0	
Rated connection			
0.5...6 / 0.5...6			
0.5...10 / 0.5...6			
0.5...1.5			
12 / 1.0 x 5.5 mm			

Note

**Ordering data**

Version	
	yellow/black
Note	

Type	Qty.	Order No.
AL4C 4 FE		<b>2872220000</b>

Type	Qty.	Order No.
A4C 6 FE		<b>2881480000</b>

**Accessories**

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Marking tags	

Type	Qty.	Order No.
ALEP 4C 4		<b>2871850000</b>
ALEP 4C 4 BL		<b>2871860000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 4 M-R	0.2 A 50	<b>1991860000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
WS 10/6 M PLUS MC NE WS	600	<b>2003780000</b>
WS 8/6 MM WS	600	<b>2007160000</b>
DEK 5/6 MM WS	600	<b>2007120000</b>
DEK 5/6 PLUS MC NE WS	1000	<b>1011320000</b>

Type	Qty.	Order No.
ZQV 6N/2	41 A 60	<b>1985740000</b>
ZQV 6N/3	41 A 60	<b>1985760000</b>
ZQV 6N/4	41 A 60	<b>1985780000</b>
AEP 4C 6		<b>2876180000</b>
AEP 4C 6 BL		<b>2876190000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 6 M-R	0.2 A 50	<b>1991930000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
DEK-A 5/8 MM WS	500	<b>2448860000</b>
WS-A 8/8 MM WS	500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS	800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS	420	<b>1905950000</b>

For detailed information on other accessories and application in the online catalogue

**A2C 35 FE**

**35 mm<sup>2</sup>**

**A2C 35 DM**

**35 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 101.5 x 71.5	
<b>125 / 35</b>	
<b>2.5...35</b>	

16 x 135 x 71.5	
<b>125 / 35</b>	
<b>2.5...35</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		880
125			105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
/ V-0			



Rated connection	
2.5...16 / 10...35	
10...35 / 2.5...35	
2.5...10	
25 / 1.0 x 5.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000		880
125			105
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
/ V-0			



Rated connection	
2.5...16 / 10...35	
10...35 / 2.5...35	
2.5...10	
25 / 1.0 x 5.5 mm	

**Note**

**Ordering data**

Version	yellow/black
Note	

Type	Qty.	Order No.
A2C 35 FE	10	<b>2551530000</b>

Type	Qty.	Order No.
A2C 35 FE DM	10	<b>2552160000</b>

**Accessories**

Plug-in cross-connection	
	2-pole
	2-pole
	2-pole
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	<b>2634950000</b>
ZQV 35N-10	57 A 10	<b>2562670000</b>
ZQV 35N-16	76 A 10	<b>2562660000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>

Type	Qty.	Order No.
ZQV 35N/2	125 A 10	<b>2634950000</b>
ZQV 35N-10	57 A 10	<b>2562670000</b>
ZQV 35N-16	76 A 10	<b>2562660000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>

For detailed information on other accessories and application in the online catalogue



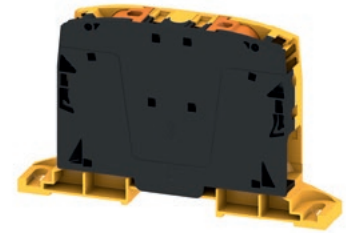
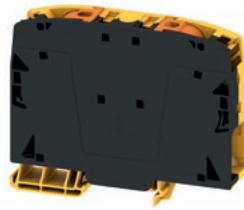
**Shielding and earthing**  
**Functional earth – PUSH IN connection**

**A2C 50/70 FE**

**50 mm<sup>2</sup>**

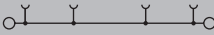
**A2C 50/70 FE-DM**

**50 mm<sup>2</sup>**

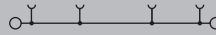


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

20 x 101.5 x 80.5
<b>150 / 70</b>
<b>10...70</b>



20 x 134 x 80.5
<b>150 / 70</b>
<b>10...70</b>



**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150			
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			

CE, UL, CSA, IEC, VDE, TÜV, UL, c, RU, us

Rated connection
10...16 / 10...70
10...70 / 10...50
4...10
30 / 1.0 x 5.5 mm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150			
50	AWG 8...0	AWG 8...NaN	
8 kV / 3 / V-0			

CE, UL, CSA, IEC, VDE, TÜV, UL, c, RU, us

Rated connection
10...16 / 10...70
10...70 / 10...50
4...10
30 / 1.0 x 5.5 mm

**Note**

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

**Ordering data**

Version	yellow/black
Note	

Type	Qty.	Order No.
A2C 50/70 FE	5	<b>2663270000</b>

Type	Qty.	Order No.
A2C 50/70 FE-DM	5	<b>2663350000</b>

**Accessories**

Cross connections insertable	
	2-pole
	3-pole
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Warning labels	
Marking tags	

Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	<b>2663400000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>

Type	Qty.	Order No.
ZQV 50/70N/2	150 A 10	<b>2663400000</b>
AEB 35 SC/1	50	<b>1991920000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDS 1.0X5.5X150	1	<b>2749380000</b>
AAM 35-185 YE FLASH	40	<b>2635600000</b>
WS-A 8/16 MM WS	200	<b>2619910000</b>

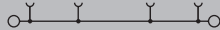
For detailed information on other accessories and application in the online catalogue

A2C 95/120 FE

95 mm<sup>2</sup>



25 x 101.5 x 90  
232 / 120  
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
232			
95	AWG 4...0		
8 kV / 3 / V0			



Rated connection

25...120 / 25...120  
25...120 / 25...95

40 / 1.0 x 5.5 mm

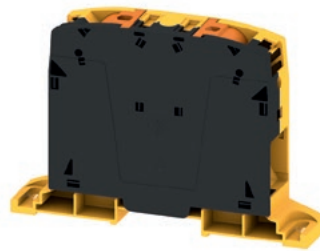
If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120 FE	5	2694080000

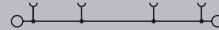
Type	Qty.	Order No.	
ZQV 95/120N/2	192 A	10	2694250000
ZQV 95/120N/3	192 A	10	2694260000
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

A2C 95/120 FE-DM

95 mm<sup>2</sup>



25 x 133.5 x 90  
232 / 120  
25...120



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
232			
95	AWG 4...0		
8 kV / 3 / V0			



Rated connection

25...120 / 25...120  
25...120 / 25...95

40 / 1.0 x 5.5 mm

If a cross-connection is mounted next to a PE terminal block or a terminal block for direct mounting, the rated voltage is reduced to 1000 V DC.

Type	Qty.	Order No.
A2C 95/120 FE-DM	5	2694170000

Type	Qty.	Order No.	
ZQV 95/120N/2	192 A	10	2694250000
ZQV 95/120N/3	192 A	10	2694260000
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	

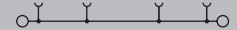
A2C 150/185 FE

150 mm<sup>2</sup>



Q3  
2023

34 x 118.5 x 98  
309 / 185  
25...185



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
309			
150			
8 kV / 3 / V0			

Rated connection

50...185 / 50...185  
50...185 / 50...150

40 / 1.0 x 5.5 mm

Type	Qty.	Order No.
A2C 150/185 FE	5	2728720000

Type	Qty.	Order No.	
ZQV 150/185N/2	232 A	5	2728840000
ZQV 150/185N/3	232 A	5	2728850000
AEB 35 SC/1	50	1991920000	
AEB 35 SCL/1 V0	20	2661280000	
ATPG 1.5-10 L	0.2 A	50	1991890000
PS 2.0 MC	20	0310000000	
SDS 1.0X5.5X150	1	2749380000	
AAM 35-185 YE FLASH	40	2635600000	
WS-A 8/16 MM WS	200	2619910000	



## Compact planning, structured wiring

Klippon® Connect makes your installation wiring more effective

Installation wiring poses particular challenges in terms of the design of terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our terminal blocks for building installations meet all requirements here. For example, the PUSH IN technology allows a particularly compact design while retaining its clarity, thus enabling simple and safe wiring of your building infrastructure.



### Our promise

Our terminal blocks open up added-value options when it comes to wiring your building infrastructure. Thanks to the wide product range and the comfortable handling of the PUSH IN terminal blocks, Klippon® Connect helps improve flexibility and efficiency even from the planning phase.

## B





**Time saving**

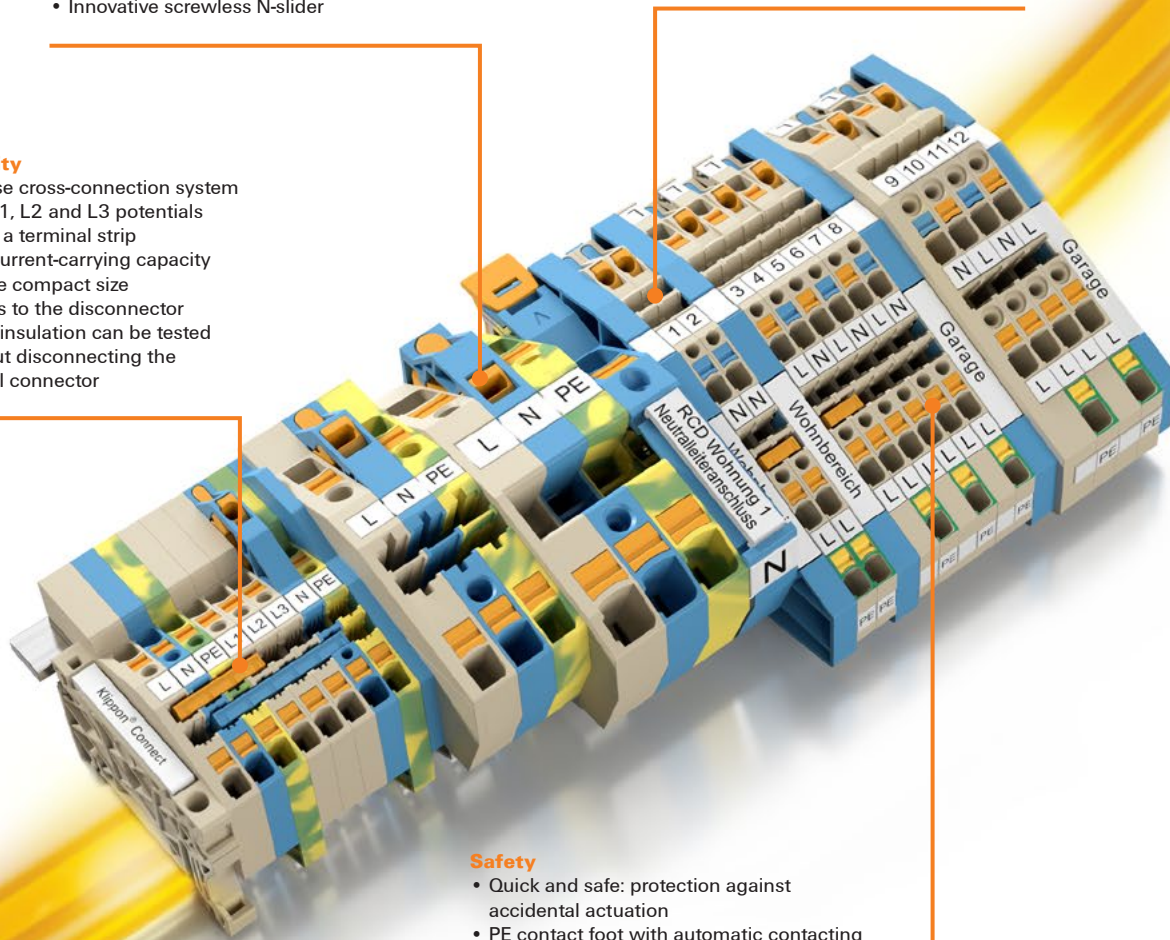
- Simple configuration and ordering of terminal strips using the Weidmüller Configurator
- More flexibility: it is simple to replace the PDL PUSH IN terminal blocks in the group
- Innovative screwless N-slider

**Space saving**

- Really compact design of PUSH IN terminal blocks
- Neutral busbars for all terminals at the same level
- Double cross-connection channel despite compact design

**Flexibility**

- 3-phase cross-connection system with L1, L2 and L3 potentials within a terminal strip
- High current-carrying capacity despite compact size
- Thanks to the disconnecter slider, insulation can be tested without disconnecting the neutral connector



**Safety**

- Quick and safe: protection against accidental actuation
- PE contact foot with automatic contacting via terminal rail
- Single power circuit separation acc. to VDE 0100/718
- In compliance with VDE 0100/0810 wiring and connection requirements for distribution systems in public buildings

**B**

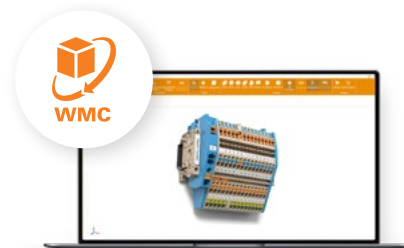


## Plan, install, and operate optimally

### Planning – with perfect support

#### Digital assembly in the WMC

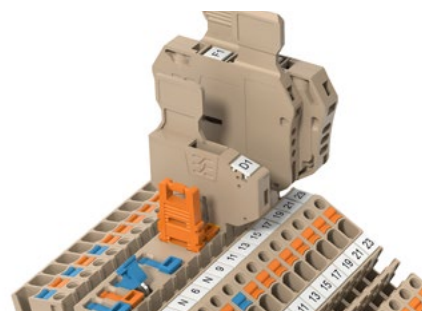
In the Weidmüller Configurator (WMC) you can digitally plan, assemble, and directly order complete terminal rails – including accessories. You can also create complete parts lists and installation instructions for production. In this way, failures can be avoided and costs can be saved.



## B

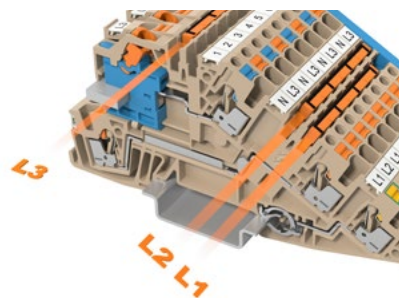
#### Wide range of functions

Modular terminal blocks AITB have a multifunctional disconnect area. It can accommodate either a fuse holder, a disconnecter, or a component plug. Thus, the terminal block can be used within an application as a disconnect terminal block, a fuse terminal block, or as a terminal block with electronic components inside.



#### Flexible cross-connection options

The continuous cross-connection channels of our modular terminal blocks AITB increase flexibility and save wiring time. Structures in the 400 V three-phase system can be cross-connected easily and conveniently with the phase conductors L1, L2, and L3.



#### Standard-compliant safety

Our modular terminal blocks AITB are regularly inspected by independent test centres to ensure maximum product safety within the switchgear. This is immediately shown by the corresponding test marks on the products and product labels.

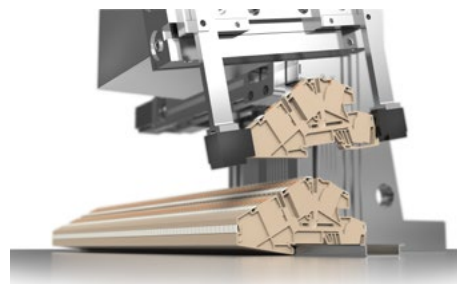


# Plan, install, and operate optimally

## Installation – simple, fast, and safe

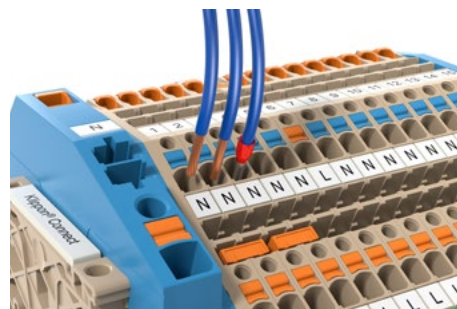
### Ready to robot

Our modular terminal blocks AITB already support robot-assisted assembly, marking, and wiring. So you are optimally prepared for the advancing partial automation in control cabinet construction.



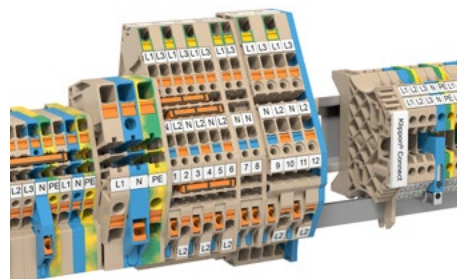
### Convenient PUSH IN technology

NYM cables and other solid conductors are simply pushed into the clamping point after stripping to create a reliable connection. Even fine-stranded conductors can be connected by simply pressing the coloured pusher. No special tools required!



### Combination of different connection techniques

A uniform busbar position enables the combination of different terminal block products and connection technologies in one complete system. For large cross-sections – e.g. N conductors – the side screw terminal connection is available. Terminal blocks with convenient PUSH IN connection technology are used to collect and distribute potentials.



### Clearly distinguishable functional areas

The different functional areas can be clearly distinguished by shape or colour. For example, conductor connection, cross-connections, and test hole can be clearly identified. Installation and maintenance work can be carried out quickly and without errors.



B

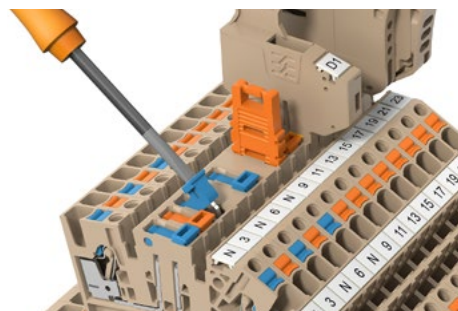


## Plan, install, and operate optimally

### Operation – norm-compliant and safe

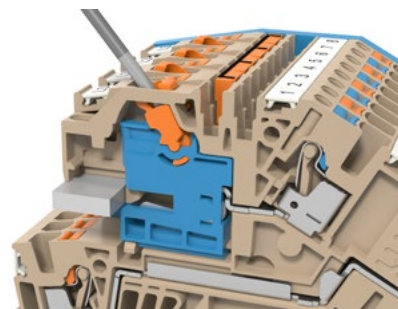
#### FI/LS circuits

If many FI/LS circuits are used in an installation, each N potential can be routed and separated via the individual isolator. This enables measuring the insulation resistance of all conductors to earth, as required by VDE 0100-718 and DIN VDE 0100-482, without disconnecting the neutral conductor.



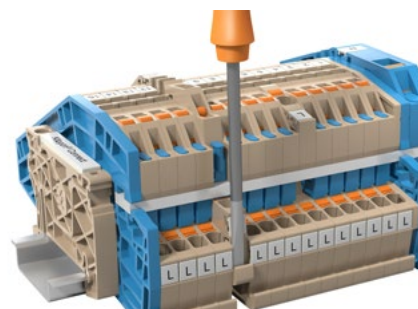
#### Safe disconnection of the neutral conductor

The neutral conductor can be separated from the busbar quickly and easily with a screwdriver. A clearly visible status display indicates the current contact position of the disconnecting slide. This reliably prevents operating errors.



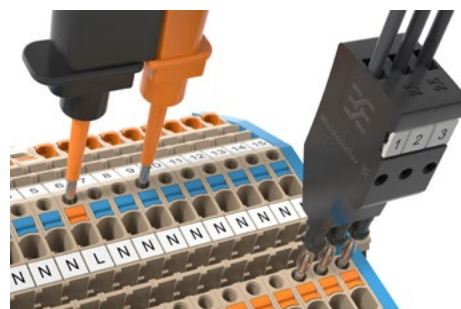
#### Quick assembly and disassembly

AITB modular terminals can be mounted and dismantled quickly and easily – even in combination. This also applies if a busbar with modular terminal blocks AITB of the A-Series is already integrated into the system. This speeds up maintenance work and components can be retrofitted or replaced in a minimum of time.



#### Simple standardised system tests

With modular terminal blocks AITB, no conductive components can be reached with voltage testers when wired. This makes operation safer, but also hinders the use of test probes. In order to carry out the required measurements, standardised test holes with a practical snap-in mechanism have been integrated. Once the test probes are snapped in, the test report can be filled out while the measurement is in progress.



# Easily meet growing safety standards

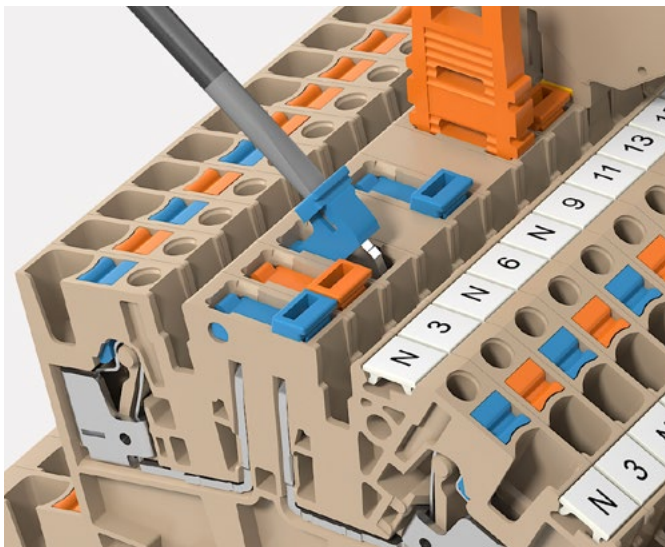
## Standardised measurements in electrical switchgear

High safety requirements and standards in building technology protect the people who live and work in a building. For this purpose, there are numerous standards covering every component in the entire system, no matter how small. These norms and standards also increase the safety requirements for all electrical systems and their components – for example, the terminal block system that acts as the interface between the electrical system and the building.

### Measurement of insulation resistance

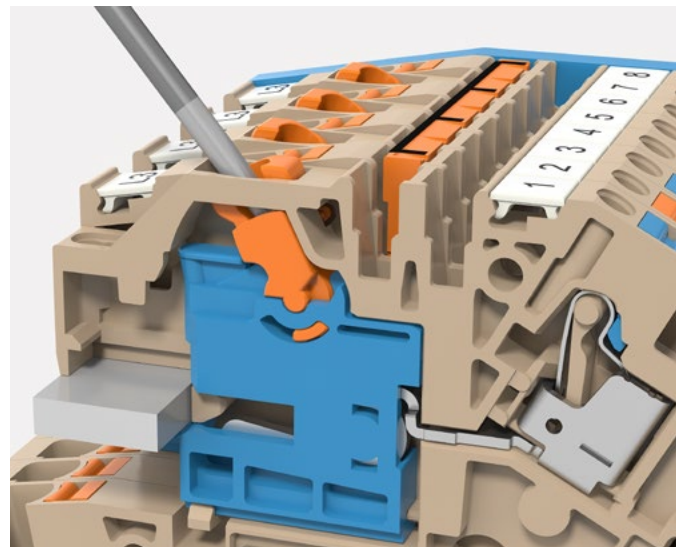
When planning and installing control cabinets in buildings, the opening and closing of circuits is one of the normative requirements. Depending on the number of circuit groups within an object, the separation can be carried out via a standard disconnecter or a disconnecting slide. The required measurement of the insulation resistance of all conductors to earth must be carried out without disconnecting the neutral conductor in accordance with VDE 0100-718 and DIN VDE 0100-482. In smaller circuits with few current paths, the measurement is carried out using standard disconnectors. In larger circuits with many individual current paths, a disconnecting slide is used to ensure contact with the 10x3 busbar. The measurement itself could be realized conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block.

### Measurements in small circuit groups



VDE 0100-718 and DIN VDE 0100-482 require a measurement of the insulation resistance of all conductors to earth without disconnecting the neutral conductor. In buildings with many FI/LS circuits, each room or current path may represent a single circuit that must be considered separately during the measurement. With the AITB terminal blocks, each N potential can be routed separately via individual isolators and separated for insulation measurements. The measurement itself could be realized conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block.

### Measurements in large circuit groups



In large circuit groups, the safe contact to the copper bar is established via a disconnecting slide. This closes a circuit that extends over the isolating slider to the copper bar. If the slider is levered to the end position, it opens the contact to the copper bar. Thus, the circuit is interrupted and measurements can be carried out conveniently and safely via the integrated test adapter at the respective terminal point of the terminal block. The clearly visible position indicator provides quick and reliable information about the current status of the system. It can also be read in the wired state.





**AITB 2.5 BB 2C**

2.5 mm<sup>2</sup>

**AITB 6 BB 2C**

6 mm<sup>2</sup>



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 63.8 x 43.6
<b>24 / 4</b>
<b>0.14...4</b>

8.1 x 76.6 x 52.9
<b>41 / 10</b>
<b>0.34...10</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.5...0.75	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
41			
6			
	8 kV / 3		
	A5 / V-0		

CE

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...6	
0.5...1.5	
12 / 1.0 x 5.5 mm	

Note

**Ordering data**

Version	
	dark beige
	Blue

Note

Type	Qty.	Order No.
AITB 2.5 BB 2C	50	2668660000
AITB 2.5 BB 2C BL	50	2668670000

Type	Qty.	Order No.
AITB 6 BB 2C	50	2668700000
AITB 6 BB 2C BL	50	2668710000

**Accessories**

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	2-pole
	2-pole

End plate	
	dark beige
	blue

Support bracket for 10 x 3 (required every 20 cm)	
	blue

End bracket	
	dark beige, direct mounting
	blue
	blue

Test adapter	
	1-pole
	stackable
	3-pole
	5-pole

Test plug	

Screwdriver	
	Standard

Busbar 10 x 3 (140 A)	

Marking tags	

For detailed information on other accessories and application in the online catalogue

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000

Type	Qty.	Order No.
AEP ITB 2.5 BB 2C	20	2668780000
AEP ITB 2.5 BB 2C BL	20	2668790000

Type	Qty.	Order No.
APP ITB 2.5 BB 2C/NDT BL	20	2668870000

Type	Qty.	Order No.
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000

Type	Qty.	Order No.
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000

Type	Qty.	Order No.
PS 2.0 MC	20	0310000000

Type	Qty.	Order No.
SDIL 0,6X3,5X100	1	2749140000

Type	Qty.	Order No.
SSCH 10X3X1000 CU/SN	140 A 1	0348900000

Type	Qty.	Order No.
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 6N/2	41 A 60	1985740000

Type	Qty.	Order No.
AEP ITB 6 BB 2C	20	2668810000
AEP ITB 6 BB 2C BL	20	2668820000

Type	Qty.	Order No.
APP ITB 6 BB 2C/NDT BL	20	2668880000

Type	Qty.	Order No.
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000

Type	Qty.	Order No.
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 6 MHR	0.2 A 50	1991930000

Type	Qty.	Order No.
PS 2.0 MC	20	0310000000

Type	Qty.	Order No.
SDIL 1,0X5,5X125	1	2749160000

Type	Qty.	Order No.
SSCH 10X3X1000 CU/SN	140 A 1	0348900000

Type	Qty.	Order No.
DEK 5/8 MC NE WS	800	1856740000



**AITB 16 BB 2C**

**16 mm<sup>2</sup>**



10 x 84.6 x 52.9

**76 / 16**

**0.5...16**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
76			
16			
		8 kV / 3	
		A6 / V-0	



**Rated connection**

0.5...16 / 10...16

0.5...16 / 0.5...10

0.75...6

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AITB 16 BB 2C	20	<b>2668740000</b>
AITB 16 BB 2C BL	20	<b>2668750000</b>

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	<b>2497250000</b>
AEP ITB 16 BB 2C	20	<b>2668840000</b>
AEP ITB 16 BB 2C BL	20	<b>2668850000</b>
APP ITB 16 BB 2C/NDT BL	20	<b>2668890000</b>
AEB 35 SCL/1 VO	20	<b>2661280000</b>
AEB ITB 2.5/4 BB BL	25	<b>2690440000</b>
AEB ITB 16 BB BL	20	<b>2669130000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
SSCH 10X3X1000 CU/SN	140 A 1	<b>0348900000</b>
WS-A 8/10 MM WS	350	<b>2619890000</b>
WS 8/6 PLUS MC NE WS	600	<b>1951880000</b>
WS 7.8/9.2 PLUS MC NE GR	360	<b>1208970000</b>





AITB 2.5 BB 2C PE

2.5 mm<sup>2</sup>

AITB 6 BB 2C PE

6 mm<sup>2</sup>



Width/Height/Depth	mm
Rated current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 63.8 x 43.6	/ 4	
<b>0.14...4</b>		

8.1 x 76.6 x 52.9	/ 10	
<b>0.34...10</b>		

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
800			
2.5			
	8 kV / 3		
	A3 / V-0		
<b>CE</b>			
Rated connection			
0.5...4 / 0.5...4			
0.5...4 / 0.5...2.5			
0.5...0.75			
10 / 0.6 x 3.5 mm			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
800			
6			
	8 kV / 3		
	A5 / V-0		
<b>CE</b>			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...6			
0.5...1.5			
12 / 1.0 x 5.5 mm			

Note

Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
AITB 2.5 BB 2C PE	50	<b>2668680000</b>

Type	Qty.	Order No.
AITB 6 BB 2C PE	50	<b>2668720000</b>

Accessories

End plate	dark beige
Support bracket for 10 x 3 (required every 20 cm)	blue
End bracket	dark beige, direct mounting blue blue
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Busbar 10 x 3 (140 A)	
Marking tags	

Type	Qty.	Order No.
AEP ITB 2.5 BB 2C	20	<b>2668780000</b>
APP ITB 2.5 BB 2C/NDT BL	20	<b>2668870000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
AEB ITB 2.5/4 BB BL	25	<b>2690440000</b>
AEB ITB 16 BB BL	20	<b>2669130000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MI-R	0.2 A 50	<b>1991960000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
SSCH 10X3X1000 CU/SN	140 A 1	<b>0348900000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>

Type	Qty.	Order No.
AEP ITB 6 BB 2C	20	<b>2668810000</b>
APP ITB 6 BB 2C/NDT BL	20	<b>2668880000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
AEB ITB 2.5/4 BB BL	25	<b>2690440000</b>
AEB ITB 16 BB BL	20	<b>2669130000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 6 MI-R	0.2 A 50	<b>1991930000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
SSCH 10X3X1000 CU/SN	140 A 1	<b>0348900000</b>
DEK 5/8 MC NE WS	800	<b>1856740000</b>

For detailed information on other accessories and application in the online catalogue



AITB 16 BB 2C PE

16 mm<sup>2</sup>



10 x 84.6 x 52.9  
/ 16  
0.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800			
16			
	8 kV / 3		
	A6 / V-0		



**Rated connection**

0.5...16 / 10...16

0.5...16 / 0.5...10

0.75...6

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AITB 16 BB 2C PE	20	2668760000

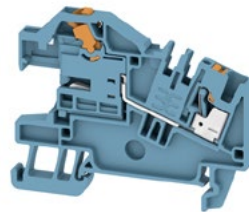
Type	Qty.	Order No.
AEP ITB 16 BB 2C	20	2668840000
APP ITB 16 BB 2C/NDT BL	20	2668890000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
WS-A 8/10 MM WS	350	2619890000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000





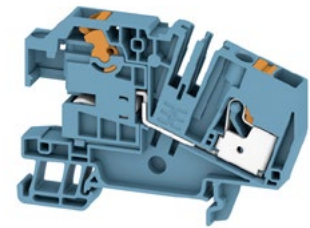
**AITB 2.5 BB NDT BL**

**2.5 mm<sup>2</sup>**



**AITB 6 BB NDT BL**

**6 mm<sup>2</sup>**



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 63.8 x 50
<b>24 / 4</b>
<b>0.14...4</b>

8.1 x 76.6 x 52.9
<b>41 / 10</b>
<b>0.34...10</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
24			
2.5			
	4 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.5...0.75	
10 / 0.6 x 3.5 mm	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
41			
6			
	4 kV / 3		
	A5 / V-0		

CE

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...6	
0.5...1.5	
12 / 1.0 x 5.5 mm	

Note

**Ordering data**

Version	Blue
Note	

Type	Qty.	Order No.
AITB 2.5 BB NDT BL	50	<b>2668690000</b>

Type	Qty.	Order No.
AITB 6 BB NDT BL	50	<b>2668730000</b>

**Accessories**

Plug-in cross-connection	
2-pole / blue	
3-pole / blue	
4-pole / blue	
10-pole/ blue	
2-pole	
End plate	
blue	
Support bracket for 10 x 3 (required every 20 cm)	
blue	
End bracket	
dark beige, direct mounting	
blue	
blue	
Test adapter	
1-pole	
stackable	
3-pole	
5-pole	
Test plug	
Standard	
Screwdriver	
Standard	
Busbar 10 x 3 (140 A)	
Marking tags	

Type	Qty.	Order No.
ZQV 2.5N/2 BL	24 A 60	<b>1527740000</b>
ZQV 2.5N/3 BL	24 A 60	<b>1527770000</b>
ZQV 2.5N/4 BL	24 A 60	<b>1527780000</b>
ZQV 2.5N/10 BL	24 A 20	<b>1527880000</b>
AEP ITB 2.5 BB NDT BL	20	<b>2668800000</b>
APP ITB 2.5 BB 2C/NDT BL	20	<b>2668870000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
AEB ITB 2.5/4 BB BL	25	<b>2690440000</b>
AEB ITB 16 BB BL	20	<b>2669130000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 2.5 MI-R	0.2 A 50	<b>1991960000</b>
ATPG 2.5/3	0.2 A 25	<b>2041190000</b>
ATPG 2.5/5	0.2 A 25	<b>2041180000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 0,6X3,5X100	1	<b>2749140000</b>
SSCH 10X3X1000 CU/SN	140 A 1	<b>0348900000</b>
DEK 5/5 PLUS MC NE WS	1000	<b>1854490000</b>
DEK 5/5 MM WS	800	<b>2007110000</b>

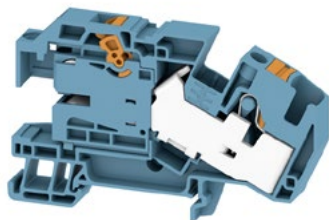
Type	Qty.	Order No.
ZQV 6N/2 BL	41 A 60	<b>1985830000</b>
AEP ITB 6 BB NDT BL	20	<b>2668830000</b>
APP ITB 6 BB 2C/NDT BL	20	<b>2668880000</b>
AEB 35 SCL/1 V0	20	<b>2661280000</b>
AEB ITB 2.5/4 BB BL	25	<b>2690440000</b>
AEB ITB 16 BB BL	20	<b>2669130000</b>
ATPG 1.5-10 L	0.2 A 50	<b>1991890000</b>
ATPG 6 MI-R	0.2 A 50	<b>1991930000</b>
PS 2.0 MC	20	<b>0310000000</b>
SDIL 1,0X5,5X125	1	<b>2749160000</b>
SSCH 10X3X1000 CU/SN	140 A 1	<b>0348900000</b>
DEK 5/8 MC NE WS	800	<b>1856740000</b>

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

AITB 16 BB NDT BL

16 mm<sup>2</sup>



10 x 84.6 x 52.9

76 / 16

0.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
76			
16			
		4 kV / 3	
		A6 / V-0	



**Rated connection**

0.5...16 / 10...16

0.5...16 / 0.5...10

0.75...6

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
AITB 16 BB NDT BL	20	2668770000

Type	Qty.	Order No.
ZQV 10N/2	57 A 25	2497250000
AEP ITB 16 BB NDT BL	20	2668860000
APP ITB 16 BB 2C/NDT BL	20	2668890000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
PS 2.0 MC	20	0310000000
SDIL 1,0X5,5X125	1	2749160000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
WS-A 8/10 MM WS	350	2619890000
WS 8/6 PLUS MC NE WS	600	1951880000
WS 7.8/9.2 PLUS MC NE GR	360	1208970000





**AITB 2.5 BB L**

2.5 mm<sup>2</sup>

**AITB 2.5 BB N-L-PE**

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 103 x 50.1	
<b>24 / 4</b>	
<b>0.14...4</b>	

5.1 x 103 x 50.1	
<b>24 / 4</b>	
<b>0.14...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
max. current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
400			
27			
2.5			
	4 kV / 3		
	A3 / V-0		

IEC 60947-7-1 (-7-2)			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250			
27			
2.5			
	4 kV / 3		
	A3 / V-0		

<b>Approvals</b>	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Rated voltage</b>	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V

<b>CE</b>	
<b>Rated connection</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Rated voltage</b>	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V

<b>CE</b>	
<b>Rated connection</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Rated voltage</b>	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V

<b>Note</b>
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<b>Note</b>
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<b>Note</b>
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**Ordering data**

<b>Version</b>	dark beige
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AITB 2.5 BB L	50	2668920000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AITB 2.5 BB N-L-PE	50	2668940000

**Accessories**

<b>Plug-in cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate</b>	dark beige
<b>Support bracket for 10 x 3 (required every 20 cm)</b>	
	blue
	blue, incl. metal holder for the busbar
<b>End bracket</b>	
	dark beige, direct mounting
	blue
	blue
<b>Test adapter</b>	
	1-pole
	stackable
	3-pole
	5-pole
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Busbar 10 x 3 (140 A)</b>	
<b>Marking tags</b>	
<b>For detailed information on other accessories and application in the online catalogue</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000



AITB 2.5 BB N-L

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
27			
2.5			
			4 kV / 3
			A3 / V-0



**Rated connection**

0.5...4 / 0.5...4
0.5...4 / 0.5...2.5
0.5...0.75
10 / 0.6 x 3.5 mm

400  
250  
250

Type	Qty.	Order No.
AITB 2.5 BB N-L	50	2668910000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000





Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
max. current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V

<b>Note</b>
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### Ordering data

Version	dark beige
<b>Note</b>	

### Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	blue
	blue, incl. metal holder for the busbar
End bracket	
	dark beige, direct mounting
	blue
	blue
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	
For detailed information on other accessories and application in the online catalogue	

### AITB 2.5 BB LL-PE

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1	
<b>24 / 4</b>	
<b>0.14...4</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
27			
2.5			
	4 kV / 3		
	A3 / V-0		

<b>CE</b>	
Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.5...0.75	
10 / 0.6 x 3.5 mm	
Rated voltage	
400	
250	
250	

Type	Qty.	Order No.
AITB 2.5 BB LL-PE	50	2668930000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

### AITB 2.5 BB NDT-L-PE

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1	
<b>24 / 4</b>	
<b>0.14...4</b>	

In accordance with IEC 60947-7-1, in accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
27			
2.5			
	4 kV / 3		
	A3 / V-0		

<b>CE</b>	
Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.5...0.75	
10 / 0.6 x 3.5 mm	
Rated voltage	
400	
250	
250	

Type	Qty.	Order No.
AITB 2.5 BB NDT-L-PE	50	2668950000

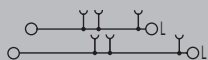
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

AITB 2.5 BB L-L

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
27			
2.5			
		4 kV / 3	
		A3 / V-0	



**Rated connection**

0.5...4 / 0.5...4

0.5...4 / 0.5...2.5

0.5...0.75

10 / 0.6 x 3.5 mm

400

250

250

Type	Qty.	Order No.
AITB 2.5 BB L-L	50	2668900000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5 BB	20	2668960000
APP ITB 2.5 BB BL	20	2668970000
APP ITB 2.5 BB BL VI		2881640000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
ATPG 2.5/3	0.2 A 25	2041190000
ATPG 2.5/5	0.2 A 25	2041180000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000



**Building installation wiring**  
**PUSH IN connection**

Application range

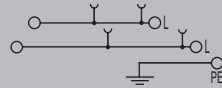


**AITB 4 BB L-L-PE**

**4 mm<sup>2</sup>**



6.1 x 110.2 x 53.2  
**30 / 6**  
**0.14...6**

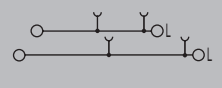


**AITB 4 BB L-L**

**4 mm<sup>2</sup>**



6.1 x 110.2 x 53.2  
**30 / 6**  
**0.14...6**



Width/Height/Depth mm  
Rated current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
max. current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
<b>Note</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
36			
4			
	4 kV / 3		
	A4 / V-0		
<b>Rated connection</b>			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
0.5...1.5			
12 / 0.6 x 3.5 mm			
<b>Rated voltage</b>			
400			
250			
250			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
36			
4			
	4 kV / 3		
	A4 / V-0		
<b>Rated connection</b>			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
0.5...1.5			
12 / 0.6 x 3.5 mm			
<b>Rated voltage</b>			
400			
250			
250			

**Ordering data**

Version
<b>Note</b>

Type	Qty.	Order No.
AITB 4 BB L-L-PE	25	2669080000

Type	Qty.	Order No.
AITB 4 BB L-L	25	2669070000

**Accessories**

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	blue
	blue, incl. metal holder for the busbar
End bracket	
	dark beige, direct mounting
	blue
	blue
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
Marking tags	
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
APP ITB 4 BB BL VI		2881650000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 8/6 PLUS MC NE WS	600	1951880000
DEK 5/6 MM WS	600	2007120000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
APP ITB 4 BB BL VI		2881650000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 8/6 PLUS MC NE WS	600	1951880000
DEK 5/6 MM WS	600	2007120000

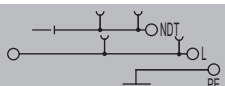


AITB 4 BB NDT-L-PE

4 mm<sup>2</sup>



6.1 x 110.2 x 53.2  
30 / 6  
0.14...6



In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
250			
36			
4			
4 kV / 3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm
400
250
250

Type	Qty.	Order No.
AITB 4 BB NDT-L-PE	25	2669100000

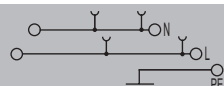
Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
APP ITB 4 BB BL VI		2881650000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 8/6 PLUS MC NE WS	600	1951880000
DEK 5/6 MM WS	600	2007120000

AITB 4 BB N-L-PE

4 mm<sup>2</sup>



6.1 x 110.2 x 53.2  
30 / 6  
0.14...6



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250			
36			
4			
4 kV / 3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm
400
250
250

Type	Qty.	Order No.
AITB 4 BB N-L-PE	25	2669090000

Type	Qty.	Order No.
ZQV 4N/2	32 A 60	1527930000
ZQV 4N/3	32 A 60	1527940000
ZQV 4N/4	32 A 60	1527970000
ZQV 4N/10	32 A 20	1528090000
AEP ITB 4 BB	20	2669110000
APP ITB 4 BB BL	20	2669120000
APP ITB 4 BB BL VI		2881650000
AEB 35 SCL/1 VO	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 4 M-R	0.2 A 50	1991860000
PS 2.0 MC	20	0310000000
SDIL 0,6X3,5X100	1	2749140000
SSCH 10X3X1000 CU/SN	140 A 1	0348900000
DEK 5/5 PLUS MC NE WS	1000	1854490000
WS 8/6 PLUS MC NE WS	600	1951880000
DEK 5/6 MM WS	600	2007120000





Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Rated voltage</b>	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
<b>Note</b>	

### Ordering data

<b>Version</b>	dark beige
<b>Note</b>	

### Accessories

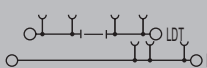
<b>Plug-in cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate</b>	
	dark beige
<b>End bracket</b>	
	dark beige, direct mounting
	blue
	blue
<b>Test adapter</b>	
	1-pole
	stackable
<b>Screwdriver</b>	
	Standard
<b>Holder for cartridge fuse 5 x 20 mm</b>	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
<b>Module connector (max. 250 V)</b>	
	without fittings
	with wire jumper
	With 1N4007 diode
<b>Disconnect plug</b>	
	orange
<b>Marking tags</b>	
<b>For detailed information on other accessories and application in the online catalogue</b>	

### AITB 2.5 LDT-L

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1
24 / 4
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



<b>Rated connection</b>	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...2.5
	0.5...0.75
	10 / 0.6 x 3.5 mm

400
250
250

Type	Qty.	Order No.
AITB 2.5 LDT-L	50	2668980000

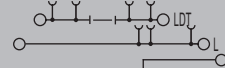
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP ITB 2.5</b>		
AEP ITB 2.5	20	2669060000
<b>AEB 35 SCL/1 V0</b>		
AEB 35 SCL/1 V0	20	2661280000
<b>AEB ITB 2.5/4 BB BL</b>		
AEB ITB 2.5/4 BB BL	25	2690440000
<b>AEB ITB 16 BB BL</b>		
AEB ITB 16 BB BL	20	2669130000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
ATPG 2.5 MHR	0.2 A 50	1991960000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>SIHA 3/G20</b>		
SIHA 3/G20	6.3 A 25	7921560000
<b>SIHA 3/G20/LD 10-36V</b>		
SIHA 3/G20/LD 10-36V	25	7921570000
<b>SIHA 3/G20/LD 140-250V</b>		
SIHA 3/G20/LD 140-250V	25	7921600000
<b>BEST</b>		
BEST	50	1833100000
<b>BEST/DRBR</b>		
BEST/DRBR	22 A 50	1878570000
<b>BEST/D</b>		
BEST/D	1 A 50	1878560000
<b>TNST OR</b>		
TNST OR	20 A 50	2463540000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000

### AITB 2.5 LDT-L-PE

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1
24 / 4
0.14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



<b>Rated connection</b>	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...2.5
	0.5...0.75
	10 / 0.6 x 3.5 mm

400
250
250

Type	Qty.	Order No.
AITB 2.5 LDT-L-PE	50	2669040000

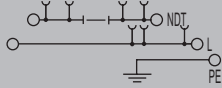
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
<b>AEP ITB 2.5</b>		
AEP ITB 2.5	20	2669060000
<b>AEB 35 SCL/1 V0</b>		
AEB 35 SCL/1 V0	20	2661280000
<b>AEB ITB 2.5/4 BB BL</b>		
AEB ITB 2.5/4 BB BL	25	2690440000
<b>AEB ITB 16 BB BL</b>		
AEB ITB 16 BB BL	20	2669130000
<b>ATPG 1.5-10 L</b>		
ATPG 1.5-10 L	0.2 A 50	1991890000
<b>ATPG 2.5 MHR</b>		
ATPG 2.5 MHR	0.2 A 50	1991960000
<b>SDIL 0,6X3,5X100</b>		
SDIL 0,6X3,5X100	1	2749140000
<b>SIHA 3/G20</b>		
SIHA 3/G20	6.3 A 25	7921560000
<b>SIHA 3/G20/LD 10-36V</b>		
SIHA 3/G20/LD 10-36V	25	7921570000
<b>SIHA 3/G20/LD 140-250V</b>		
SIHA 3/G20/LD 140-250V	25	7921600000
<b>BEST</b>		
BEST	50	1833100000
<b>BEST/DRBR</b>		
BEST/DRBR	22 A 50	1878570000
<b>BEST/D</b>		
BEST/D	1 A 50	1878560000
<b>TNST OR</b>		
TNST OR	20 A 50	2463540000
<b>DEK 5/5 PLUS MC NE WS</b>		
DEK 5/5 PLUS MC NE WS	1000	1854490000
<b>DEK 5/5 MM WS</b>		
DEK 5/5 MM WS	800	2007110000

**AITB 2.5 NDT-L-PE**

**2.5 mm<sup>2</sup>**



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...2.5  
0.5...0.75  
10 / 0.6 x 3.5 mm

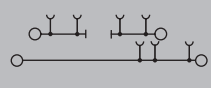
400  
250  
250

**AITB 2.5 LDT-L W/O DTLV**

**2.5 mm<sup>2</sup>**



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...2.5  
0.5...0.75  
10 / 0.6 x 3.5 mm

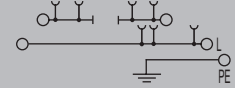
400  
250  
250

**AITB 2.5 LDT-L-PE W/O DTLV**

**2.5 mm<sup>2</sup>**



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...2.5  
0.5...0.75  
10 / 0.6 x 3.5 mm

400  
250  
250

Type	Qty.	Order No.
AITB 2.5 NDT-L-PE	50	2669030000

Type	Qty.	Order No.
AITB 2.5 LDT-L W/O DTLV without separator	50	2668990000

Type	Qty.	Order No.
AITB 2.5 LDT-L-PE W/O DTLV without separator	50	2669050000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000





Width/Height/Depth	mm
Rated current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Rated voltage	
Rated voltage (L / L)	V
Rated voltage (L / N)	V
Rated voltage (L / PE)	V
Note	

### Ordering data

Version	dark beige
Note	

### Accessories

Plug-in cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate	
	dark beige
End bracket	
	dark beige, direct mounting
	blue
	blue
Test adapter	
	1-pole
	stackable
Screwdriver	
	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	orange
Marking tags	
For detailed information on other accessories and application in the online catalogue	

### AITB 2.5 L-L-PE

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1	
24 / 4	
0.14...4	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



Rated connection	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...2.5
	0.5...0.75
	10 / 0.6 x 3.5 mm
Rated voltage	
	400
	250
	250

Type	Qty.	Order No.
AITB 2.5 L-L-PE	50	2669010000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

### AITB 2.5 N-L-PE

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1	
24 / 4	
0.14...4	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



Rated connection	
	0.5...4 / 0.5...4
	0.5...4 / 0.5...2.5
	0.5...0.75
	10 / 0.6 x 3.5 mm
Rated voltage	
	400
	250
	250

Type	Qty.	Order No.
AITB 2.5 N-L-PE	50	2669020000

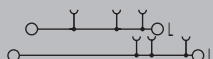
Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MHR	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000

AITB 2.5 L-L

2.5 mm<sup>2</sup>



5.1 x 103 x 50.1  
24 / 4  
0.14...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 0.5...4

0.5...4 / 0.5...2.5

0.5...0.75

10 / 0.6 x 3.5 mm

400

250

250

Type	Qty.	Order No.
AITB 2.5 L-L	50	2669000000

Type	Qty.	Order No.
ZQV 2.5N/2	24 A 60	1527540000
ZQV 2.5N/3	24 A 60	1527570000
ZQV 2.5N/4	24 A 60	1527590000
ZQV 2.5N/10	24 A 20	1527690000
AEP ITB 2.5	20	2669060000
AEB 35 SCL/1 V0	20	2661280000
AEB ITB 2.5/4 BB BL	25	2690440000
AEB ITB 16 BB BL	20	2669130000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 2.5 MI-R	0.2 A 50	1991960000
SDIL 0,6X3,5X100	1	2749140000
SIHA 3/G20	6.3 A 25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
BEST	50	1833100000
BEST/DRBR	22 A 50	1878570000
BEST/D	1 A 50	1878560000
TNST OR	20 A 50	2463540000
DEK 5/5 PLUS MC NE WS	1000	1854490000
DEK 5/5 MM WS	800	2007110000



# Klippon® Connect for building installation wiring

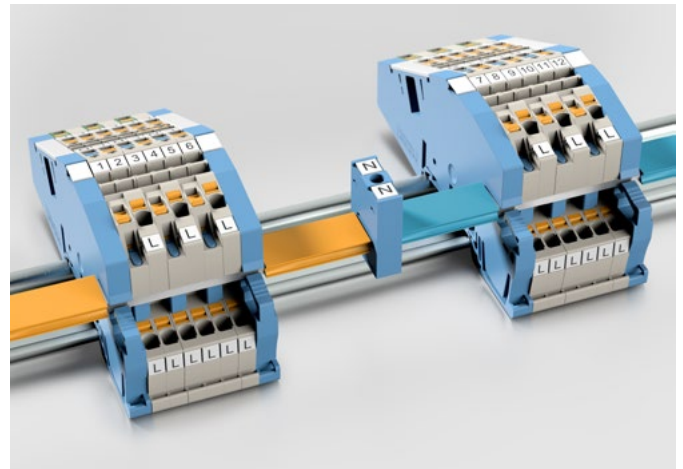
## Sophisticated and uniform accessories

### Safe and flexible covering of live components

The BB-CV AITB 3X10 cover profile provides the necessary finger safety within the switchgear. Protruding parts of the busbar, which are provided as a reserve within the switchgear, can thus be protected against unintentional contact. The cover profile can be flexibly and individually cut to length.

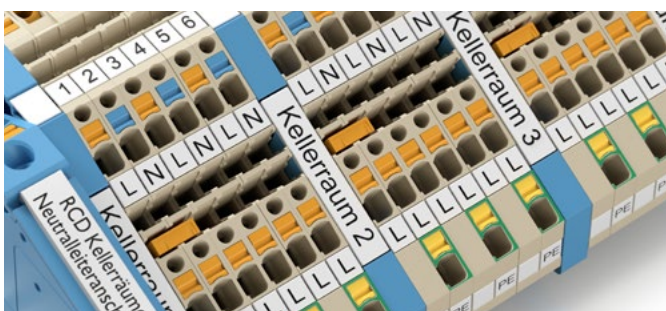
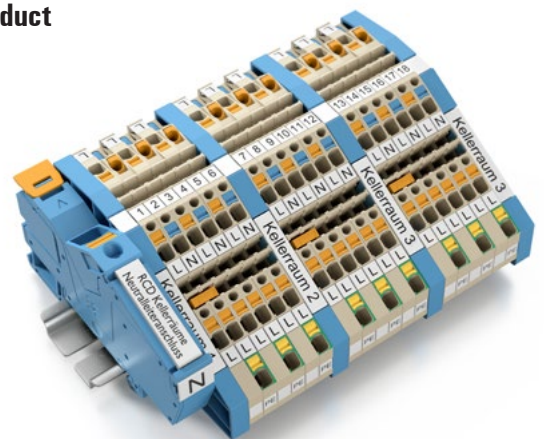
#### Cover profile BB-CV

Type	Length	Qty.	Order No.
BB-CV AITB 3X10	300 mm	10	2911380000
BB-CV AITB 3X10 BL	300 mm	10	2918930000



### End bracket, support block and end plate cleverly combined in one product

The AEB ITB 2.5/4 BB BL is one of the all-rounders in the Klippon® Connect accessories for building installation wiring. The end bracket serves as a support block for the busbar. Due to its identical contour to the 3-level installation terminal blocks AITB 2.5 BB... it could also be used as a visual demarcation within the terminal strip, but also as an end plate. This saves additional components and working time. A receptacle for the terminal strip labelling (WAD 5) is available on the head side of the products.

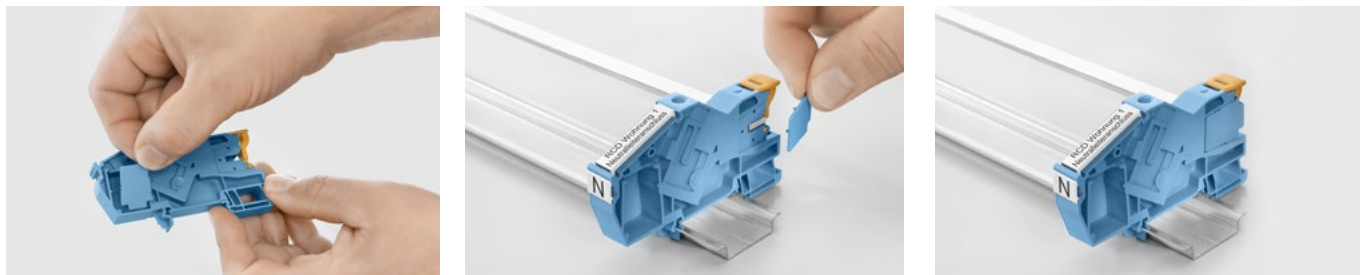


## Clean and clear distinction of internal and external wiring within the cabinet

With the AITB 16 BB NLO, the neutral conductor busbar is integrated into the system quickly, safely and without any additional tools. As with the installation terminal blocks, the internal wiring in the control cabinet is carried out in the direction of the busbar. This creates a clear visual distinction between internal wiring at the switchgear manufacturer and external wiring on the construction site. The AEB ITB 16 BB BL, without connection function for a conductor, completes the portfolio.

Both versions have integrated the function of an support block in addition to the function of an end bracket. This saves additional components and working time. A plug-in possibility for terminal strip labelling (WAD 5 or WAD 8) is available on the head side of the products.

For finger safety at the end of the DIN-Rail, an integrated end plate could be broken out of the front area of the product. This can be attached on the left or right side, depending on the structure of the terminal strip. Both product variants are supplied with an integrated end plate for the product as well as for the busbar.



	AITB 16 BB NLO	16 mm <sup>2</sup>	AEB ITB 16 BB BL	AEB ITB 2.5/4 BB BL
<b>Dimensions</b>				
Width/Height/Depth	mm	91.15/52.9/12	91.15/52.9/12	6.1 x 50.5 x 104
Continuous operating temp., min.		-60 °C	-60 °C	-60 °C
Continuous operating temp., max.		130 °C	130 °C	130 °C
Material		polyamide 66	polyamide 66	polyamide 66
<b>Rated data</b>		<b>IEC</b>	<b>UL</b>	<b>CSA</b>
Rated voltage	V	1000		
Rated current	A	65		
Rated impulse withstand voltage / Pollution severity		8 kV / 3	/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating		A6 / V-0	/ V-0	
<b>Clamped conductors (H05V/H07V)</b>				
Solid / Stranded	mm <sup>2</sup>	0,5...16 / 0,5...16		
Flexible / Flexible with ferrule	mm <sup>2</sup>	0,5...16 / 0,5...16		
Stripping length / Blade size	mm/-	18 / 1,0 x 5,5 mm		
<b>Ordering data</b>		<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
	blue	AITB 16 BB NLO	20	2669140000
<b>Note</b>				
			<b>Type</b>	<b>Qty.</b>
			AEB ITB 16 BB BL	20
				2669130000
			<b>Type</b>	<b>Qty.</b>
			AEB ITB 2.5/4 BB BL	25
				2690440000

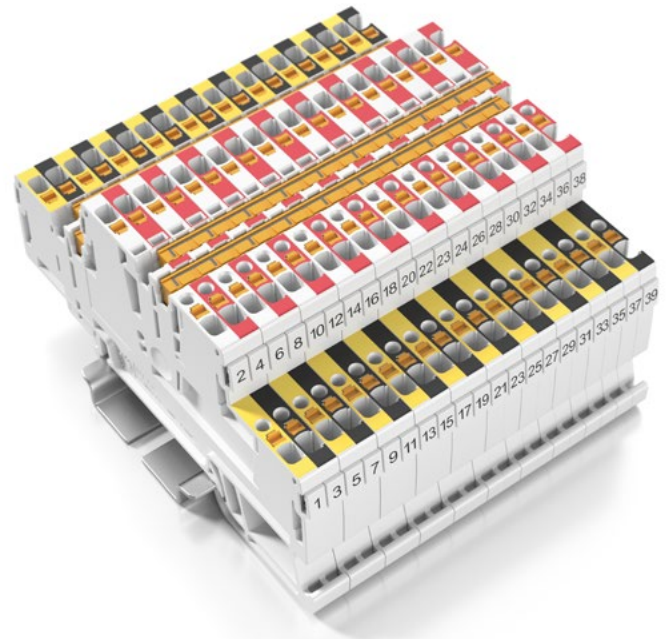


## KNX-Bussystem simple and clear wiring

### Klippon® Connect for smart electrical installation in buildings

Automation and growing data volumes are of increasing importance in building technology. Precise, unambiguous data wiring systems are thereby essential for efficient cabinet assembly.

The Klippon® Connect KNX-terminal blocks provide the wiring of the main and reserve leads for KNX Bus wiring systems within a 7 mm combined block width. At each level, a double cross-connection point yields quick and easy distribution of the potential within the terminal.



#### **B** Your special advantages:

- Numerous marking possibilities
- Colour coded terminals for each wire colour
- Standardised accessories
- Minimal space requirements thanks to 3.5 mm individual terminal width

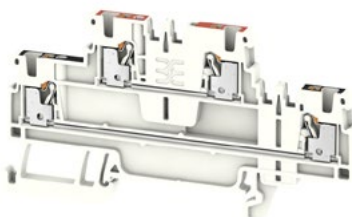






**A2T 1.5 KNX RD-BK**

1.5 mm<sup>2</sup>

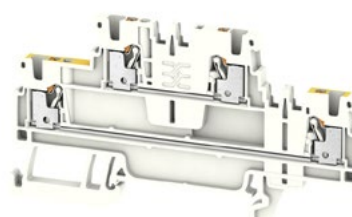


3.5 x 84 x 45  
17.5 / 1.5  
0.14...1.5



**A2T 1.5 KNX WT-YL**

1.5 mm<sup>2</sup>



3.5 x 84 x 45  
17.5 / 1.5  
0.14...1.5



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

Note

**Ordering data**

Version	
	dark beige
Note	

**Accessories**

Plug-in cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige, screwable
	dark beige, direct mounting
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Marking tags	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
		6 kV / 3	
		A1 / V-0	



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

Type	Qty.	Order No.
A2T 1.5 KNX RD-BK	50	2652200000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEP 2T 1.5 BL	20	2471470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
		6 kV / 3	
		A1 / V-0	



Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

Type	Qty.	Order No.
A2T 1.5 KNX WT-YL	50	2652210000

Type	Qty.	Order No.
ZQV 1.5N/2	17.5 A 60	1985410000
ZQV 1.5N/10	17.5 A 20	1985580000
AEP 2T 1.5	20	2469420000
AEP 2T 1.5 BL	20	2471470000
AEB 35 SC/1	50	1991920000
AEB 35 SCL/1 VO	20	2661280000
ATPG 1.5-10 L	0.2 A 50	1991890000
ATPG 1.5 MHR	0.2 A 50	1991880000
PS 2.0 MC	20	0310000000
SDS 0.4X2.0X60	1	2749260000
WS 10/3.5 PLUS MC NE WS	960	2003760000
DEK 5/3.5 MM WS	1000	2007100000
DEK 5/3.5 PLUS MC NE WS	1600	2003750000

For detailed information on other accessories and application in the online catalogue





# Installation

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<b>Installation</b>	Assembly instructions	C.2
	Mounting accessories	C.8
	Marking system	C.22
	Tools	C.24
	Enclosure system	C.26
	Materials	C.28
	Standards and regulations	C.34

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# General technical notes

## Useful tips from planning through to installation

As a system planner, you bear the responsibility for the correct selection of solutions and components. The IEC standard and the DIN EN 61439 “Low-voltage switchgear and controlgear assemblies” standard support you here. They stipulate the planning and construction requirements, as well as the necessary design verifications. The essential prerequisites are, of course, professional handling of equipment and observance of the rules in force. Only in this way can hazards to persons and property be avoided when they are dealing with electrical energy. In particular, installation, maintenance work, modifications and retrofitting may only be carried out by qualified personnel and in compliance with the general installation and safety regulations for work on power installations.

### Our promise

Connections in the panel have to satisfy numerous rules and conditions. Whether installing terminal strips and terminal blocks or using aluminium conductors – we provide you with useful tips that make your work easier.

### Operating conditions

The specifications contained in the documentation apply, insofar as no separate stipulations apply, for the recommended installation position and for environmental conditions in the case of indoor installation (pollution severity 3, in exceptional cases 2) in accordance with IEC 60439-1 and IEC 61439-1/2/3. The user has to refer the manufacturer to special operating conditions deviating from this standard! You have to provide for installation-specific reduction factors depending on the actual operating conditions. The load factors listed in the table below constitute guidelines.

### What you have to observe for installation

In the case of products containing cartridge fuses, you have to follow the specifications from the associated product standards with regard to the wire cross-sections to be connected. The specified temperature resistance of the plastics used has to be observed.

Here, we recommend installing the products vertically on horizontal terminal rail systems. The rated load factors in the table are applicable for this installation position and also for components with permissible power losses. This also pertains to the environmental conditions in accordance with IEC 60439-1, section 6.1.1.1 and IEC 61439-2/3, section 7.1.1.1.

Guidelines for rated load factors

Number of main circuits	Rated load factor	
	acc. to IEC 61439-2	acc. to IEC 61439-3
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439  
 Part 2: Power switchgear and controlgear assemblies  
 Part 3: Distribution boards intended to be operated by ordinary persons

### And what if the conditions deviate

In case of a deviation in the installation position and operating conditions, you have to consider all the factors influencing the maximum temperature. These include, for example:

- Power output of the cartridge fuses and the devices in operation
- Timings, full and partial load, concurrency
- Arrangement in the system, mutual interaction between the devices
- Rail cross-section, conductor cross-section
- Ambient temperature, flow conditions, ventilation and cooling through additional correction factors

Installation positions are inadmissible in which gravity works against the direction of contact movement. Clearance and creepage distances have to be measured in accordance with IEC 60664-1 (VDE 0110 Part 1). Above 12 mm, all IEC requirements are met up to 690 V AC. You also have to consider further factors, such as minimum distances to grounded parts. This particularly applies for UL applications. You also need to avoid the harmful influences of chemical substances during storage, processing and operation.

### CE marking

Our products are subject to mandatory CE-marking in conjunction with Low Voltage Directive. We have affixed the CE mark on the individual packing units and partly on the products themselves. We hereby confirm to you that our products comply with the applicable regulations. We would be pleased to provide you with the relevant declarations of conformity at our company.

### RoHS Directive

The restriction of lead and nine other potentially hazardous substances in electrical and electronic equipment is specified by the EU-Directive RoHS. As a value-oriented company, Weidmüller is aware of its responsibility towards customers, employees, society and the environment. It is therefore a matter of course for Weidmüller to assume its responsibility within the framework of the RoHS Directive 2011/65/EU.

[www.weidmueller.com/rohs](http://www.weidmueller.com/rohs)

### Our tips for you

It always has to be ensured that ...

- all accessible parts are deactivated during installation and maintenance work
- connections are made with the prescribed torque, suitable fitted parts are used and parts are completely installed for touch-safe protection
- connections are checked and, if necessary, tightened after transportation
- the products are used and operated according to the intended purpose
- the technical description in the product manual and the installation instructions are observed and the documents are kept accessible for subsequent maintenance work, modifications and retrofitting
- modifications that serve for advancement and technical progress are reserved

### REACH Regulation

The European Chemical Regulation REACH stands for registration, evaluation and authorization of chemicals. As an environmentally conscious company Weidmüller takes its responsibility for communication within the supply chain and for the entire information flow within the REACH regulation.

[www.weidmueller.com/reach](http://www.weidmueller.com/reach)

# Mounting of terminal strips

## Always a secure connection

Terminal strips are used for quick installation of cables and conductors. They are the interface from the panel to the outside world. Below, you will find some useful tips, information and binding rules to support you in mounting terminal strips.

### Combinations of different terminal blocks

In case of a contour change, you have to use end plates and partition plates (WAP/TW, ZAP/TW and IAP). If terminal blocks with different rated voltages are arranged next to one another, you need end plates or partition plates (WAP/TW, ZAP/TW). Good to know: when arranging the PE terminal block next to, or between the associated feed-through terminals blocks of the same series and size, the rated voltage and the rated impulse voltage of the feed-through terminal blocks are not influenced.

### Dimensions

The dimension of the housing enclosing the terminal blocks and fastening components is specified, but without tolerances. Please consider a mounting tolerance of 0.2 mm to the specified terminal width in your project design.

### Partition plate

You use a partition plate for visual separation of circuits or for electrical isolation from neighbouring cross-connectors.

### Small partition

In the case of terminal blocks, up to a terminal width of max. 12 mm, you can retroactively insert small partitions between cross-connections or sockets.

End bracket at the beginning and end of the terminal strip



Partition plates improve the overview



Troubleshooting with bipolar voltage tester incl. measurement probe according to IEC 61243-3



**Compliance with the rated insulation voltage**

We specify the required stripping length for all our products in mm. These lengths, e.g.  $6 \text{ mm} \pm 0.5 \text{ mm}$ ,  $\geq 10 \text{ mm} \pm 1 \text{ mm}$  are absolutely binding. This is also the case if you use wire-end ferrules. IEC 60947-1 applies for the outside dimension of crimped wire-end ferrules.

**Working on electrical connectors with non-insulated screwdrivers**

The following five rules apply for working on electrical systems and equipment with non-insulated screwdrivers:

- Disconnect the electrical systems
- Prevent from being switched back on
- Ascertain absence of voltage
- Earth and short-circuit
- Cover or block off neighbouring parts under voltage

Please find the individual measures to be taken in consideration of the operational and local conditions, for example high voltage and low voltage lines, cables or switchgear systems, in VDE 0105 Part 100.

**Unused contact points under voltage**

Protect unused contact points that may be live against inadvertent touching by using suitable covers, such as ADP 1 to 4. The clamping screws of unused contact points that are not live must also be tightened.

**Tightening torque range for clamping screws**

The test torque according to IEC 60947-1 or the torque according to the manufacturer's specifications is the lower value of the torque range. With this, all tests are passed. The upper value of the torque range is the maximum torque that may be applied.

Preferably set the electrical torque screwdriver to the midpoint torque of the terminal torque range. We have assigned product-specific data directly to the respective products.

Tightening the clamping screw in the specified torque ranges ensures:

- Reliable and gas-tight clamping
- No mechanical destruction of the clamping yokes
- Voltage drop well below the required limit value

**Our installation tips for you**

- The terminal strip structure is from left to right
- Place the closed side to the left, the open side to the right
- Always close the open side of the terminal strip with end plates or separation plates (WAP/TW, ZAP/TW)
- End brackets have to be placed at the beginning and end of a terminal strip

# Connecting terminal blocks

## With the right torque

The right torque is a decisive factor in professional connection of terminal blocks in order to avoid damage to the electrical systems. Therefore, always apply the tightening torque specified in the installation instructions or on the Internet for the product.

Unless limits are specified, the deviation of the tightening torque for screw and clamp connections may be a maximum of  $\pm 20$  percent of the rated value. If no range is specified for clamping cross-sections, the lower clamping range is

limited to two levels below the rated cross-section. Please find the relationships between the wire cross-sections in  $\text{mm}^2$  and AWG/MCM sizes in the table below.

### General technical data for conversion AWG\* conductor to $\text{mm}^2$

AWG	$\text{mm}^2$
30	0.05
28	0.08
26	0.13
24	0.20
22	0.33
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48
0 [1/0]	53.5
00 [2/0]	67.4
000 [3/0]	85
0000 [4/0]	107
250 kcmil	127
350 kcmil	177
500 kcmil	253
600 kcmil	304
800 kcmil	405
1000 kcmil	507

### Plug gauge according to IEC 60947-1: insertability of unprepared round conductors with the largest defined cross-section

Cable diameter		Gauge						
		Shape A			Shape B			
Flexible conductors $\text{mm}^2$	Solid conductors (one or more wires) $\text{mm}^2$	Designation	Diameter a mm	Width b mm	Designation	Diameter a mm	Permissible deviation for a and b mm	
1.5	1.5	A 1	2.4	1.5	B 1	1.9	0 - 0.05	
2.5	2.5	A 2	2.8	2.0	B 2	2.4		
2.5	4	A 3	2.8	2.4	B 3	2.7		
4	6	A 4	3.6	3.1	B 4	3.5	0 - 0.06	
6	10	A 5	4.3	4.0	B 5	4.4		
10	16	A 6	5.4	5.1	B 6	5.3		
16	25	A 7	7.1	6.3	B 7	6.9	0 - 0.07	
25	35	A 8	8.3	7.8	B 8	8.2		
35	50	A 9	10.2	9.2	B 9	10.0		
50	70	A 10	12.3	11.0	B 10	12.0	0 - 0.08	
70	95	A 11	14.2	13.1	B 11	14.0		
95	120	A 12	16.2	15.1	B 12	16.0		
120	150	A 13	18.2	17.0	B 13	18.0	0 - 0.09	
150	185	A 14	20.2	19.0	B 14	20.0		
185	240	A 15	22.2	21.0	B 15	22.0		
240	300	A 16	26.5	24.0	B 16	26.0		

\* AWG is the abbreviation for "American Wire Gauge".





#### Approval of wire-end ferrules

Wire-end ferrules are only ever approved for applications according to IEC/EN standards. We tested examples for the application of wire-end ferrules; this does represent any form of general approval for different ferrule pressings. You may have to reduce the maximum wire cross-sections. Conductors have to be manufactured taking into consideration the requirements of IEC/EN 60999-1 and -2 and have to be configured such that there is no tensile loading.

#### Two conductors at a contact point

You achieve assignment to individual circuits, identification and division of individual functional units optimally by only connecting one conductor to each contact point. Terminal blocks with screw connection (W-Series) are available to you should two conductors of the same cross-section be connected to a contact point. The connection of two cables with screwless contact points is forbidden according to DIN IEC 60999-1. Connection of two conductors is possible in terminal blocks with spring connection, however, by using twin wire-end ferrules.

#### Continuous current for two conductors

The total current of two conductors must not exceed the continuous current of the terminal block. The continuous current is the maximum current a terminal block can carry without exceeding a temperature increase of 45 K.

#### Rated voltage

The rated voltage of the terminal block does not change with the proper connection of two conductors.

# Installation in conformity with standards

## With precisely matched accessories

When mounting terminal blocks and assembling panels, you must always be able to rely on accessories fitting perfectly. Only then do the processes run smoothly and therefore productively. The requirements placed on terminal rails, busbars, as well as cover plates and support brackets, are correspondingly high. They have to comply with numerous standards and safety regulations.

### Our promise

Our components are aligned to each other right down to the finest detail and hence make installation easier for you.

Information and ordering data for mounting accessories is available to you in our online catalogue.

### Terminal rails

Terminal and top-hat rails for component mounting and end brackets are important for holding and insulating the components. Depending on the application area, we offer terminal rails made of steel, stainless steel, aluminium, copper or plastic.

#### Stainless steel

Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

#### Aluminium

Aluminium has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

#### Copper

Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

#### Plastic

Plastic terminal rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard terminal rails.

#### Steel

Steel terminal rails are the most widespread on the market. Among metal terminal rails, they have the lowest short-circuit protection, similar to stainless steel.

#### Use as PE conductors or PEN busbars

Under certain circumstances, you can also use terminal rails as bus bars for protective conductors (PE conductors) or PEN conductors. The Weidmüller PE terminal blocks with spring and screw connections fulfil the requirements for PE conductors defined in IEC 60947-7-2. According to VDE 0100 Part 540, protective earth conductors and neutral conductors with wire cross-sections above 10 mm<sup>2</sup> may be combined to form a conductor abbreviated as PEN.

### Our installation tip

If a terminal rail is used as a PEN busbar, the following criteria have to be observed:

- Only profiles made of E-Cu or aluminium are permissible
- Short-circuit currents and thermal rated currents
- Insulate terminal rails with the "protective insulation" protective measure



## Busbars

In the case of switchgear and control systems it, may be necessary to bring the neutral and PE conductor together on busbars. They offer the possibility of connecting a large number of conductors (on 1 m rails up to 70 conductors) with a low space requirement – either via a pressure piece or a clamping yoke. The SH rail support (which can also be arranged between the clamping yokes for longer bar) serves for fixing purposes. If the clamping yoke is used as protective earth connection, we can optionally supply it with green-yellow or as neutral conductor with blue insulation cap.

## Cover profiles and support brackets

Several safety regulations, such as the accident prevention regulation “Electrical Installations and Equipment” (VBG 4) and VDE 0140-1 „Protection against electric shock”, require from you that active parts of electrical equipment are protected against direct touching. Our cover profiles with associated support brackets may be used for the most common terminal sizes. The support brackets can be arranged at the end or along the the terminal strip. They can be fastened to TS 32, TS 35 or TS 15 terminal rails.

### Our installation tip

- In order to combine neutral or protective earth conductors at a central point, the ZB clamping yoke can be used together advantageously with the 10 × 3 or 6 × 6 busbars
- The ZBE 6 can be retroactively swivelled on to the busbars

### Our installation tip

- Linear intervals of the support brackets: the linear measure of the ADP 1, 2 and 3 between the support brackets should not significantly exceed 300 mm
- The cover profile is also snapped on to tags at the sides; extra tightness is achieved with pegs on the support brackets for sealing purposes
- The transparent design of the profiles allows terminals with accessories and marking to be identified at any time. Additional markings, e.g. from groups, can also be applied

## Mounting accessories – Busbars

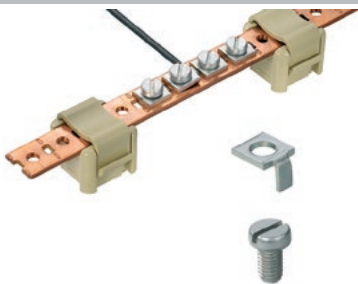
### Busbars, unslotted



### SSch

Type	Material	Dimensions	Rated current	Qty.	Order No.
SSCH 6X6X1000 CU/SN	Copper	6 / 6 / 1000 mm	140 A	1 M	0571300000
SSCH 7.3X1.2X1000	Copper	7.3 / 1.2 / 1000 mm		1 M	1071200000
SSCH 10X3X1000 CU/SN	Copper	10 / 3 / 1000 mm	140 A	1 M	0348900000
SSCH 10X3X1000 ST/ZN	Steel	10 / 3 / 1000 mm		1 M	0438000000
SSCH 10X3X2000 CU VERZ.	Copper	10 / 3 / 2000 mm		2 M	1397000000
SSCH 15X6X1000 CU/SN	Copper	15 / 6 / 1000 mm	265 A	1 M	0357400000

### Busbars, slotted



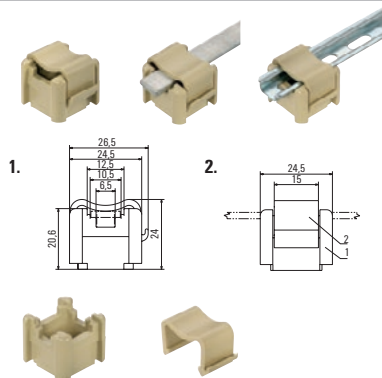
### NSch / ESch

Type	Material	Dimensions	Rated current	Qty.	Order No.
ESCH 1 M	Steel	1000 / 2 / 12 mm	24 A	10 M	0280300000
NSCH 1M	Copper	1000 / 2 / 15 mm	24 A	10 M	0280200000
NSCH 2M	Copper	2000 / 2 / 15 mm	24 A	2 M	1313600000
<b>Pressure piece</b>				<b>Qty.</b>	<b>Order No.</b>
DKSUE NSCH/ESCH				100	0280100000
<b>Clamping screw</b>					
BFSC M5X8 SCHLITZ				100	0296700000

For solid conductors and cable lugs according to DIN 46234.

### Rail support

With yoke and base



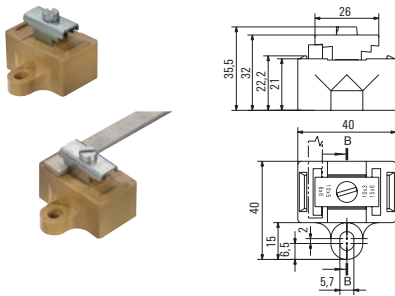
### SH 1

Type	Material	Dimensions	Qty.	Order No.	
SH 1	Polyamide 66	26 / 24 / 24.5 mm	20 ST	0299860000	
<b>Individual parts</b>				<b>Qty.</b>	<b>Order No.</b>
SD SH1				20	0401460000
KLBUE SH1				20	0635960000
<b>Mounting screw</b>					
BFSC M4X9T				100	0103300000
BFSC M4X30				50	0267100000

SH 1: for busbar cross-section 10 x 3, 6 x 6, 15 x 2, 12 x 2, 15 x 2, 15 x 6

**Rail support**

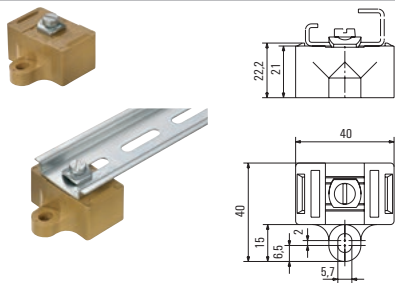
With metal bridge



**SH 2S**

Type	Material	Dimensions	Qty.	Order No.
SH 2 S	KrG	40 / 35.5 / 40 mm	10 ST	0641720000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5, 15 x 6				

**Rail support**

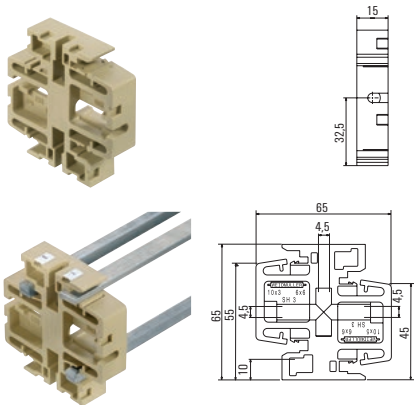


**SH 2**

Type	Material	Dimensions	Qty.	Order No.
SH 2	KrG	40 / 25 / 40 mm	10 ST	0494920000
The arrangement of mounting rails in totally insulated facilities				

**Rail support**

With metal bridge



**SH 3**

Type	Material	Dimensions	Qty.	Order No.
SH 3	Polyamide 66	65 / 65 / 15 mm	10 ST	0556660000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5				

**Rail support**



**WEW**

Type	Material	Dimensions	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>				
WEW 35/1	Wemid	12 / 62.5 / 56 mm	50 ST	1059000000
WEW 35/2	Wemid	8 / 46.5 / 56 mm	50 ST	1061200000
WEW 35/1 GR	Wemid	12 / 62.5 / 56 mm	50 ST	1227890000
WEW 35/1 SW	Wemid	12 / 63 / 56 mm	50 ST	1162600000
WEW 35/2 GR	Wemid	8 / 46.5 / 56 mm	100 ST	1859200000
WEW 35/2 SW	Wemid	8 / 47 / 56 mm	50 ST	1061210000
For busbar cross-section 10 x 3, 6 x 6				

Busbar tap terminal

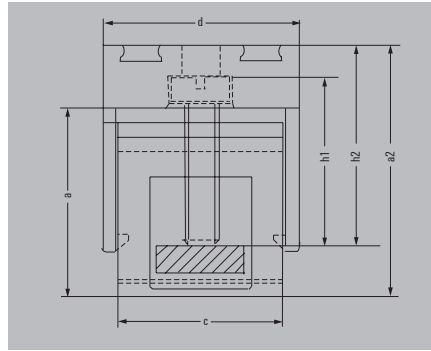


WBBD 16

Type	Rated voltage	Rated current	Clamping range min. / max.	Colour	Qty.	Order No.
WBBD 16 BL	690 V	114 A	1.5...16 mm <sup>2</sup>	blue	12 ST	2603850000
WBBD 16 GN	690 V	114 A	1.5...16 mm <sup>2</sup>	green	12 ST	2603860000
WBBD 16 GY	690 V	114 A	1.5...16 mm <sup>2</sup>	grey	12 ST	2603840000

For busbar thickness 3...10 mm

Clamping yoke, uninsulated



Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	A 2/A 4-80
	min. 8.8	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

for busbar 10 x 3 mm

Also for 10 x 5 mm busbars



Solid	1.5...10 mm <sup>2</sup>
Flexible	2.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	silver	6 mm	19 mm	14.5 mm	50	0475460000

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	silver	7.8 mm	22.5 mm	23 mm	50	0526060000

ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	silver	8 mm	19.5 mm	29.1 mm	50	1261300000

ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	silver	9 mm	19 mm	20 mm	50	0502960000

ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	silver	14 mm	32 mm	8.6 mm	50	0502780000

ZB 4/6

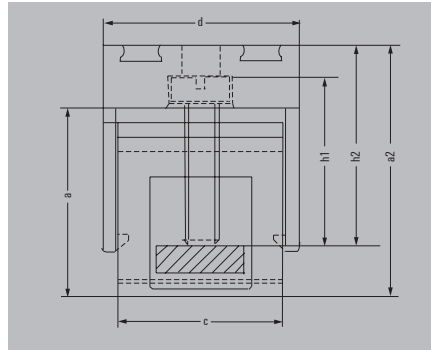
Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6	silver	5.3 mm	12 mm	20 mm	50	0556700000

ZB 16/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6	silver	10 mm	12.5 mm	30.7 mm	50	0556800000

## Mounting accessories – Busbars

## Clamping yoke, insulated



## for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	...
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 10 x 3 mm

## For subsequently slewing-in



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

## for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

## for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

## for busbar 10 x 3 mm

## Tension clamp connection



Solid	0.5...4 mm <sup>2</sup>
Flexible	0.5...2.5 mm <sup>2</sup>
Stranded	...
Clamping screw	...
Stripping length	10 mm

## for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

## ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	silver	6 mm	19 mm	20.4 mm	50	0475360000

## ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	yellow, green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	black	8 mm	22.5 mm	19.5 mm	50	0525910000

## ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	silver	10 mm	19 mm	26.8 mm	50	0502860000

## ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	silver	14 mm	32 mm	34 mm	20	0502610000

## ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	green	6.1 mm	24.5 mm	22 mm	50	1814670000

## ZB 4 / 6K

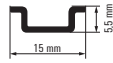
Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6K BL	silver	6 mm	25 mm	14.7 mm	50	0565480000
ZB 4/6K GE/GN	silver	6 mm	25 mm	14.7 mm	50	0565460000

## ZB 16 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6K GE/GN	silver	10 mm	25 mm	30.7 mm	50	0569660000



**TS 15 terminal rail**



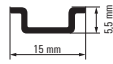
unslotted



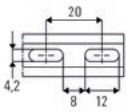
**TS 15 x 5**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Steel, galvanised and passivated</b>							
TS 15X5 2M/ST/ZN	10.00 mm <sup>2</sup>	1.2 kA/1s		2000mm	1.00 mm	2 M	<b>0514200000</b>

**TS 15 terminal rail**



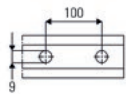
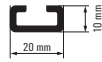
with slot



**TS 15 x 5**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Steel, galvanised and passivated</b>							
TS 15X5/LL 2M/ST/ZN	10.00 mm <sup>2</sup>	1.2 kA/1s		2000mm	1.00 mm	2 M	<b>0117500000</b>
TS 15X5/LL 1M/ST/ZN	10.00 mm <sup>2</sup>	1.2 kA/1s		1000mm	1.00 mm	1 M	<b>0117510000</b>

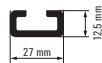
**TS 20 terminal rail**



**TS 20 x 10**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
TS 20/CX10 2M/ST/ZN				2000mm	1.50 mm	2 M	<b>0316400000</b>

**TS 27 terminal rail**



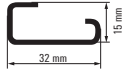
**TS 27 x 12.5**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
TS 27X12.5M/ST/F.ZN				2000mm	2.00 mm	2 M	<b>1802690000</b>

Mounting accessories – DIN rails

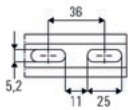
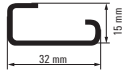
**TS 32 terminal rail**

unslotted



**TS 32 terminal rail**

with slot



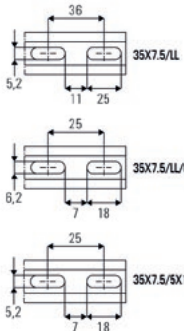
**TS 35 x 7.5 terminal rail**

unslotted



**TS 35 x 7.5 terminal rail**

with slot



**TS 32 x 15**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Aluminium</b>							
TS 32X15 2M/AL/BK	70.00 mm <sup>2</sup>	8.4 kA/1s	192.00 A	2000mm	1.50 mm	2 M	0169300000
<b>Steel, galvanised and passivated</b>							
TS 32X15 2M/ST/ZN	35.00 mm <sup>2</sup>	4.2 kA/1s		2000mm	1.50 mm	2 M	0122800000
<b>Stainless steel, rust-proof</b>							
TS 32X15 2M/CRN				2000mm	1.50 mm	2 M	0293220000

**TS 32 x 15**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Steel, galvanised and passivated</b>							
TS 32X15/LL 2M/ST/ZN	35.00 mm <sup>2</sup>	4.2 kA/1s		2000mm	1.50 mm	2 M	0514400000

**TS 35 x 7.5**

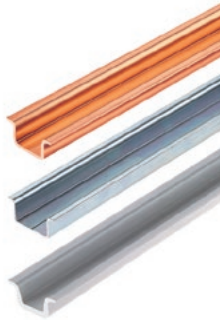
Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Copper</b>							
TS 35X7.5/1.0 2M/CU/BK	50.00 mm <sup>2</sup>	6 kA/1s	150.00 A		1.00 mm	2 M	2731380000
<b>Aluminium</b>							
TS 35X7.5 2M/AL/BK	35.00 mm <sup>2</sup>	4.2 kA/1s	125.00 A	2000mm	1.00 mm	2 M	0330800000
<b>Steel, galvanised and passivated</b>							
TS 35X7.5 2M/ST/ZN	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm	1.00 mm	2 M	0383400000
TS 35X7.5 1M/ST/ZN	16.00 mm <sup>2</sup>	1.92 kA/1s		1000mm	1.00 mm	1 M	0383410000
<b>Stainless steel, rust-proof</b>							
TS 35X7.5 2M/CRN				2000mm	1.00 mm	2 M	1747350000
TS 35X7.5 2M/CRN 316L					1.00 mm	2 M	2716000000

**TS 35 x 7.5**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Steel, galvanised and passivated</b>							
TS 35X7.5/LL 1M/ST/ZN	16.00 mm <sup>2</sup>	1.92 kA/1s		1000mm	1.00 mm	1 M	0514510000
TS 35X7.5/LL 2M/ST/ZN	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm	1.00 mm	2 M	0514500000
TS 35X7.5/LL 2M/ST/SZ	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm	1.00 mm	2 M	7915060000
TS 35X7.5/LL/6 2M/ST/ZN	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm	1.00 mm	2 M	0514570000
TS 35X7.5/LL/6X18 2M/O	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm		2 M	1071690000
TS 35X7.5/5X18 2M/ST/SZ	16.00 mm <sup>2</sup>	1.92 kA/1s		2000mm	1.00 mm	2 M	1879090000

**TS 35 x 15 terminal rail**

unslotted

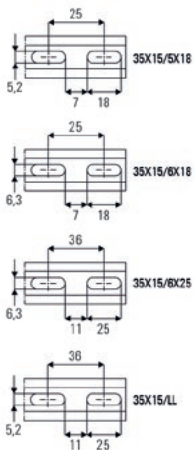


**TS 35 x 15**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Copper</b>							
TS 35X15/2.3 2M/CU/BK	150.00 mm <sup>2</sup>	18 kA/1s	309.00 A	2000mm	2.30 mm	2 M	0270100000
<b>Aluminium</b>							
TS 35X15/2.3 2M/AL/BK	95.00 mm <sup>2</sup>	11.4 kA/1s	232.00 A	2000mm	2.30 mm	2 M	1848290000
<b>Steel, galvanised and passivated</b>							
TS 35X15/2.3 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm	2.30 mm	2 M	0498000000
TS 35X15 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm	1.50 mm	2 M	0236400000
<b>Plastic PVC RAL 7035</b>							
TSK 35X15 2M PVC/GR				2000mm	3.00 mm	2 M	0514300000

**TS 35 x 15 terminal rail**

with slot



**TS 35 x 15**

Type	Short circuit strength	Short-time withstand current	PEN function	Length	Thickness	Qty.	Order No.
<b>Steel, galvanised and passivated</b>							
TS 35X15/5X18 2M/ST/SZ	50.00 mm <sup>2</sup>	6 kA/1s		2000mm		2 M	1879100000
TS 35X15/5X18 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm		2 M	1837380000
TS 35X15/6X18 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm	1.50 mm	2 M	1805980000
TS 35X15/6X25 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm		2 M	1866290000
TS 35X15/LL 1M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		1000mm	1.50 mm	1 M	0236510000
TS 35X15/LL 2M/ST/SZ	50.00 mm <sup>2</sup>	6 kA/1s		2000mm	1.50 mm	2 M	7907490000
TS 35X15/LL 2M/ST/ZN	50.00 mm <sup>2</sup>	6 kA/1s		2000mm	1.50 mm	2 M	0236500000
TS 35X15/LL 2M/ST/ZN/D	50.00 mm <sup>2</sup>	6 kA/1s		2000mm		2 M	1071680000

**End cap for TS 35**



**End cap for TS 35**

Type	PEN function	Height	Length	Qty.	Order No.
<b>End cap TS 35 x 7,5</b>					
TS END CAP 35X7,5		37.5 mm		100 ST	1283470000
<b>End cap TS 35 x 15</b>					
TS END CAP 35X15		37.5 mm		100 ST	1283480000

## Mounting accessories – DIN rails

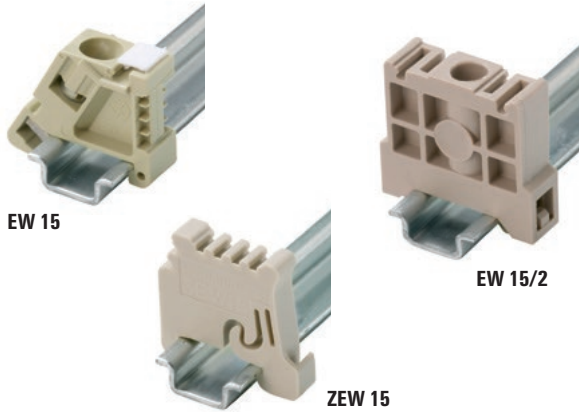
### Mounting rail cutter



### Terminal rail cutting and punching tool

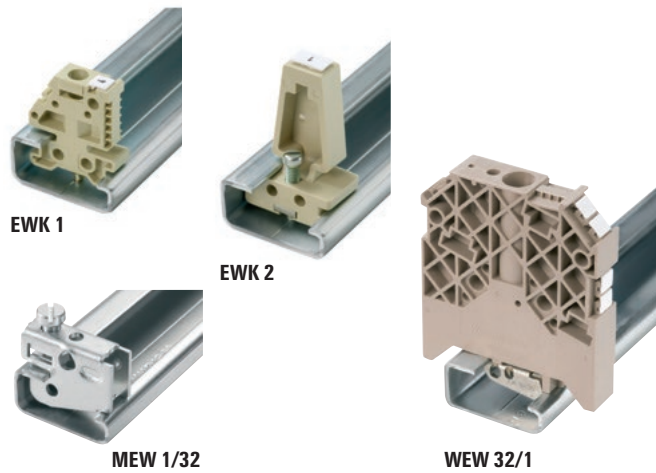
Type	Width	Depth	Height	Qty.	Order No.
TSLD 5	270 mm	200 mm	205 mm	1 ST	9918700000
TSLD C	270 mm	200 mm	205 mm	1 ST	1270310000

for TS 15 terminal rail



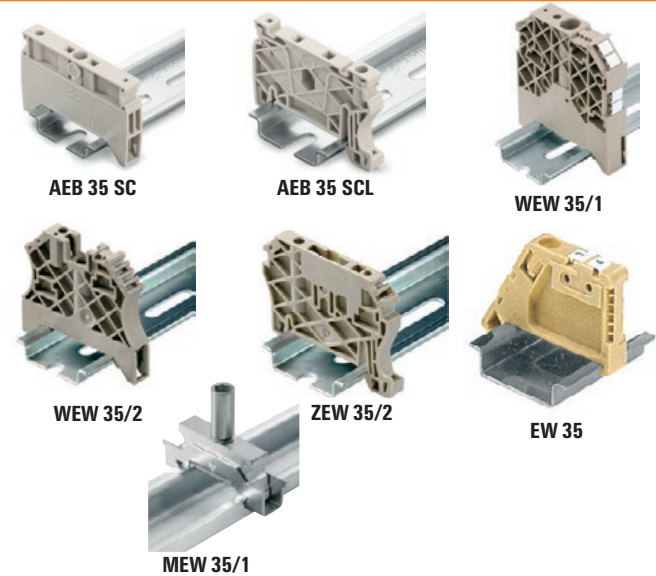
Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EW 15	beige	0.5 Nm	50	0382860000
<b>Polyamide with fibre glass, screwable</b>				
EW 15/2	dark beige	0.5 Nm	50	1071900000
<b>Polyamide 66, screwless</b>				
ZEW 15	beige		20	7920340000

for TS 32 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EWK 2	beige	0.5 Nm	50	0199360000
EWK 1	beige	0.5 Nm	50	0206160000
<b>Polyamide with fibre glass, screwable</b>				
WEW 32/1	dark beige		50	1067600000
<b>Metal, screwable</b>				
MEW 1/32	grey		20	0445600000

for TS 35 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>				
AEB 35 SC/1	dark beige	0.5 Nm	50	1991920000
AEB 35 SC/1 BK	black	0.5 Nm	50	2475310000
WEW 35/1	dark beige	1.2 Nm	50	1059000000
WEW 35/2	dark beige	0.5 Nm	50	1061200000
WEW 35/1 GR	grey	1.2 Nm	50	1227890000
WEW 35/1 SW	black	1.2 Nm	50	1162600000
WEW 35/2 GR	grey	0.5 Nm	100	1859200000
WEW 35/2 SW	black	0.5 Nm	50	1061210000
<b>Polyamide 66, screwless</b>				
AEB 35 SCL/1 V0	dark beige		20	2661280000
AEB 35 SCL/1 V0 BK	black		20	2661300000
AEB 35 SCL/1 V0 GY	Light Grey		20	2661290000
ZEW 35	dark beige		20	9540000000
ZEW 35/2	dark beige		20	8630740000
ZEW 35 GR	grey		20	1238040000
ZEW 35/2 GR	grey		20	1227850000
ZEW 35/2 SW	black		20	1162610000
<b>Polyamide 66, screwable</b>				
EW 35	beige	0.5 Nm	50	0383560000
EW 35 GR 7032	grey	0.5 Nm	50	0383530000
EW 35 DB	dark beige	0.5 Nm	50	1269050000
<b>Metal, screwable</b>				
MEW 35/1	grey		10	1805610000

## Mounting accessories – DIN rail support / mounting feet

### Terminal rail support



TSTW 5/M5  
TSTW 5/M5 verzinkt  
TSTW 6/M6

Type	Internal thread	Qty.	Order No.
TSTW 5/M5	M 5	10	0178100000
TSTW 5/M5 ZN	M 5	10	1779100000
TSTW 6/M6	M 6	10	0164000000
TSTW D 4.3		10	1610110000

Terminal rail supports of type TSTW serve for angled mounting of terminal rails at an angle of 35°.

### Terminal rail support



TST

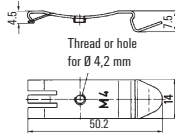
Type	Internal thread	Qty.	Order No.
TST 2/M5	M 5	10	1286600000
TST 2/M6	M 6	10	0101700000
Type		Qty.	Order No.
Mounting plates and fastening screws			
FKSC M6X8 D9/SW3		50	0642600000
Mounting screw			
FKSC M5X8 D9/SW2.5		50	0295900000
FKSC M6X12 D9/SW3		50	0353500000

The TST terminal rail support serves to install terminal rails in the frame or using a cut-out. For the terminal rail supports, Weidmüller offers fastening screws with hexagonal socket and an especially low head, such that terminal blocks can also be mounted above the screw.

### Mounting feet



FM 4

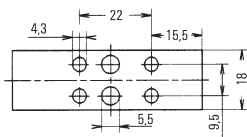


Type	Internal thread	Qty.	Order No.
FM 4 foot			
FM 4/TS35		40	0687900000
FM 5/TS35		40	0636800000
FM 6/TS35		40	0636900000
FM 4.2/TS35		40	1724580000
FM 4.2/TS35 without thread	FM 4.2/TS35 without thread		

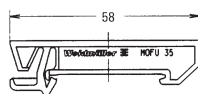
### Mounting feet



MOFU 35/LO/1

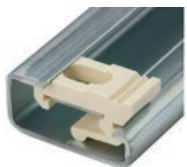


MOFU 35

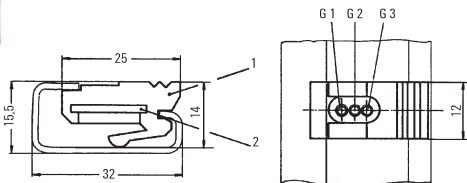


Type	Internal thread	Qty.	Order No.
MOFU 35/LO/1		20	0646260000
MOFU 35		20	0495660000
MOFU 35/LO/1 SW		20	0646210000

### Mounting feet



MB



Type	Internal thread	Qty.	Order No.
MB M3/M5 CRM		20	0503500000
MB M5/M3 SW		20	0553400000
MB M6/M4 GR		20	0334900000

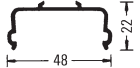



The sliding nuts for the TS 32 terminal rails are each fitted with two threaded holes for M3 + M5/M6 + M4/M5 + M3 screws. They serve to attach components that cannot be directly snapped onto the TS 32 and particularly to hold the smaller TS 15 top-hat rail. For example, small terminal blocks can firstly be snapped onto the TS 15 and then this rail can be attached to the TS 32 using the sliding nuts.

**ADP**

**Cover strips**



Material: unplasticised PVC  
 Supplied in 1 m lengths  
 Temperature limit: max. 70 °C

transparent Type	Order No.
ADP 1 	0485200000
ADP 2 	0485300000
ADP 3 	0485400000
ADP 4 (1000 mm) 	1430760000

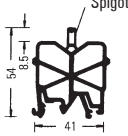
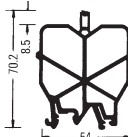
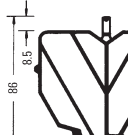
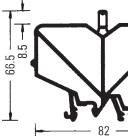
transparent Type	Order No.
ADP 4 (300 mm) 	1378160000

**HP**

**Retaining plates**



Material: PA 66  
 Thickness: 2 mm

For mounting on TS 35 / TS 32, with spigot for lead seal	
Type	Order No.
HP 1 	0485560000
HP 2 	0485660000
HP 3 	0485760000
HP 4 	0485860000

**Covers**

Overall dimensions	A	A	A	A	B	C
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	86		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6
Marking materials	Type	Qty.	Order No.			
Card with warning "lightning flash", self adhesive 20 pcs. per card	BEZ-KARTE ADP	10	0566700000			

# Systemised marking

## For optimised processes

Your primary expectation of a marking system is that it clearly shows how your components are configured. This includes an accurate printed image, ease of use and usability in an industrial environment. You need data entry and administration software to provide optimum support. During marker output, the speed should be adaptable to your needs. In order to provide the right marking solution for all products at all time, we have built up a unique overall system of markers, printers and software. The tailored range of products ensures precise identification throughout the whole panel – or, for short, systemised marking.

### Our promise

Our harmonised system of software, markers and printers allows you to optimise processes – from entering your data to the finished marker for the individual panel configuration. You have a clear overview to allow clear identification of panel components.

More detailed information on our marking system is available at [www.weidmueller.com/markung](http://www.weidmueller.com/markung)

Order data is available in our online catalogue.

### Flexible printing on plastic and metal markers with inkjet printer

The MultiCard concept is our standard for modern, innovative identification and marking systems. With over 270 variants, it offers neutral plastic markers in a standardised card format for all Weidmüller terminal blocks and terminal blocks from other manufacturers. We also offer the appropriate marker options for the simple and quick connection of conductors, cables and devices.

Use our PrintJet CONNECT inkjet printer for quick clear labelling of large volumes. Its precise colouring and thermal fixing ensure continuous and robust identification. MetalliCard formats made of aluminium and stainless steel can also be printed just as securely. Its wide range of applications and flexibility allows this printer to provide standard-compliant and efficient marking. Depending on the requirements, it is operated either with our user-friendly planning software M-Print® PRO or as a standalone solution with saved templates using a USB stick.





### Endless marking with MultiMark and the thermo-transfer printer

The MultiMark terminal markers are endless material with a special stamped pattern. This means they can be rotated easily, which is ideal for compensating tolerances in long terminal blocks. The MultiMark formats are printed using the compact, modular THM MultiMark thermo-transfer printer which offers high levels of flexibility. The optional cutting and perforation option enables the endless material to be cut to any length. This makes cutting and assigning the relevant labels very simple. The THM MultiMark is also the ideal printer when it comes to printing fabric and polyester labels, shrink sleeves and PLC labels. The major benefit: you can make all the labels in and around the panel using just one printer.

### Highlight

The THM MultiMark thermo-transfer printer is a compact all-rounder with an intuitive touch-screen display and status indicator, making it easy to operate in 22 languages. Its compact design and weight of just 3.5 kg means it can also be easily used outside the workshop.

## Made for professional work

### One-stop shopping for quality tools

You need them for wiring and testing, for commissioning and maintenance – tools are a constant companion when it comes to panel building. They need to sit well in the hand and guarantee consistently high workmanship even after many working cycles. Our quality tools are a choice that will bring you happiness for a long time. Our range includes proficient manual tools for cutting, stripping, crimping, testing and screwing, as well as machines and accessories. From installation of the terminal blocks to installation of delicate electronic components, you can find the right tool for all applications from us.

#### Our promise

Weidmüller tools were developed with the aim of making your work easier, optimising working processes and thus increasing productivity in panel building. The perfect coordination of terminal blocks, wire-end ferrules and conductors guarantees the best possible working results.

Detailed information on our range of tools is available at [www.weidmueller.com/tools](http://www.weidmueller.com/tools)

Order data is available in our online catalogue.

#### The right quality tool for every stage of the process

##### Cutting

With our robust cutting tools, you can rely on smooth, straight cuts with no deformation of the conductor. Whether you need to cut copper or aluminium cables with small or large cross-sections, the mechanical drive and specific cutting shape allow really ergonomic work.

##### Stripping

Our precision tools specialise in stripping and sheath stripping of cables to guarantee reliable results. The wide product range is perfectly tailored to insulation and the wire cross-section and guarantees perfect wiring for all sorts of cable types.

##### Crimping

Our selection of crimping tools fits a wide range of conductors, wire-end ferrules and contacts. This ensures optimum processing quality in all applications. The result is stable, long-lasting connections which meet all relevant international standards and regulations.

##### Testing and measuring

From voltage testers through clamp-on meters, use our complete range of testing and measuring instruments for precise results. Besides the highest possible reliability for optimum application protection, the devices provide impressively easy handling.

##### Pliers

Our range of ESD pliers meets all national and international testing standards. The special material of the handles prevents electrostatic discharge. And the ergonomic design of the pliers allows fatigue-free work.



### Screwing

High torques and optimum transfer of axial force – our manual and battery-powered torque screwdrivers enable exact, effective work with high levels of repeat accuracy. They are available in four sizes to fit all hands and requirements.

### Automatic machines

Automating individual work stages such as cutting to length, stripping and crimping helps increase efficiency. With our robust, user-friendly machines for cable processing, you reduce installation times and minimise production costs.

### Wire-end ferrules and cable connectors

With our wire-end ferrules and insulated cable connectors, you guarantee safe connections in the long term. We provide these accessories to match our components and tools in various versions and colour alternatives.

### Highlight

Real added value for you: you can have your tools regularly tested and maintained in our in-house tool certification office. This allows you to guarantee consistent functionality and quality.

## For every industry and every application

### Klippon® Protect enclosure system

### gives safety and protection to connection solutions

Enclosures fulfil an important safety function and prove their worth every day, even under the toughest of conditions. All industries have their own specific requirements in terms of enclosure technology – from machine construction through transport and energy engineering to the process industry. With Klippon® Protect, you can choose from a wide range of universal and application-specific enclosures. These products cover all relevant approvals required for use in industrial and explosive risk zones. They are flexible enough for optimal adaptation to your requirements.

#### Our promise

The flexible Klippon® Protect enclosure system is the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our assembled enclosures to offer a custom fit to your requirements and provide excellent protection. Klippon® Services completes our products range with optimal support for your processes.

More detailed information on our wide range of Klippon® Protect enclosure systems can be found at [www.weidmueller.com/klipponprotect](http://www.weidmueller.com/klipponprotect)

#### Universal range

The universal enclosures Klippon® Protect are made of stainless steel, aluminium, or plastic. Either one guarantees excellent protection for your assembly. With these robust enclosures, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion, and customisation.

#### Application range

Our Klippon® Protect application range provides solutions for monitoring and safety, measurement and control technology, and power distribution. These application solutions are based on high quality and comprehensive approvals for explosive risk zones.

You can obtain distribution boxes, terminal boxes or command and signalling devices as well from a single source in a consistent enclosure design for maximal safety, reliable functionality and low follow-up costs for maintenance, replacement and storage.



### Klippon® Services

Klippon® Services combines consultancy, planning, application expertise and industry know-how. You benefit from our one-stop production services. Thereby you will reduce costs, increase efficiency, and simplify quality management. We guarantee quick, quality-focused production and order-based availability. We deliver even individually assembled products anywhere within a short time.



Configuration and ordering are simple with the Weidmüller Configurator [www.weidmueller.de/wmc](http://www.weidmueller.de/wmc)



### Highlight

Our Fast Delivery Service is a real highlight of our service range that offers to easily configure and request assembled terminal strips, empty or assembled enclosures with the Weidmüller Configurator WMC. The offer is provided within just a few minutes including order numbers for direct ordering - available 24/7. An order will be dispatched from Germany after just four days when a certain service level is selected. Order quantities start at one.

# Environmental Product Compliance & Declaration of Conformity

When selecting and procuring materials, we apply the highest quality standards and adhere to international standards and regulations. In this way, Weidmüller, as a value-oriented company, fulfills its responsibility as an environmentally conscious company.

## Quality management systems DIN EN ISO 9001

In order to always deliver first-class products, the highest level of quality assurance is essential for us. Starting with the quality management of our products based on ISO 9000 ff. through to permanent monitoring by independent institutes who monitor our production facilities, as well as quality management and our in-house laboratory. You therefore benefit from maximum reliability and durability!



## RoHS

The restriction of lead and nine other potentially hazardous substances in electrical and electronic equipment is specified by the EU-Directive RoHS. As a value-oriented company, Weidmüller assumes its responsibility within the framework of the RoHS Directive 2011/65/EU.

## China RoHS

Under the auspices of the Chinese Ministry MIIT, the new China RoHS Directive (SJ/T 11364-2014) was published on January 21, 2016. Weidmüller products are also partly subject to this directive. The new directive came into force on July 1, 2016 and is largely analogous to the EU RoHS Directive.

## REACH

The European Chemical Regulation REACH stands for registration, evaluation and authorization of chemicals. As an environmentally conscious company Weidmüller takes its responsibility for communication within the supply chain and for the entire information flow within the REACH regulation.

## WEEE

The sale, return and proper disposal of waste electrical and disposal of waste electrical and electronic equipment within the European the European currency area is governed by the WEEE Directive (Waste of Electrical and Electronic Equipment) 2012/19/EU. It is the aim of this directive to contribute to sustainable development in the long term.

# Metals

The metals we use are selected and processed with their surfaces treated according to the latest technical knowledge. In addition, our welding area is certified in accordance with DIN EN ISO 3834-3 for fusion welding of metal-based materials.



## Steels

Steel ensures mechanical stability for all our connection systems. In order to permanently maintain the contact force, the steel parts are electrogalvanised and provided with additional passivation by means of a chromate layer. The advantage of surface protection with zinc lies in the high corrosion protection effect. It is also effective for a long time, even after the zinc coating has been partially damaged by scratches or pores. Furthermore, in the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel. This protects the underlying material from attack.

## Conductive substances

The current-carrying materials copper, brass and bronze are characterised by high conductivity plus good mechanical properties. The surfaces are usually coated with tin. Besides corrosion protection, this ensures high contactability, which leads to low contact resistance. Solder connections also have a tin layer. In order to guarantee long-term solderability, an additional nickel coating is applied to the brass parts as a diffusion barrier. The nickel coating provides effective protection against outward diffusion of zinc atoms from the brass.

# Insulating materials

Insulating materials made of duroplasts such as gemin (KrG) and epoxy resin (EP), but also ceramics, exhibit increased dimensional stability. They are used in products for special industries with harsh environmental conditions and increased safety requirements. These include, for example, an increased continuous operating temperature, inherent flame protection, high fire resistance or also high chemical stability.

## Properties Ceramic and Duroplasts

Properties		Ceramic	Duroplasts	
Properties		Ceramic	Gemin KrG	Epoxy resin (EP)
Volume resistance acc. to IEC 60093	$\Omega \times \text{cm}$	-	$10^{11}$	$10^{14}$
Dielectric strength acc. to IEC 60243-1	kV/mm	> 10	10	160
Tracking resistance (A) acc. to IEC 60112	CTI	$\geq 600$	$\geq 600$	$\geq 600$
Upper max. permissible limit temperature	$^{\circ}\text{C}$	250	130	160
Lower max. permissible limit temperature (static)	$^{\circ}\text{C}$	-60	-60	-60
Flammability acc. to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0

## Ceramic

### Ceramic

Ceramic is an excellent material for electronics because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, low loss factor and high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.

- Top continuous operating temperature
- High fire resistance
- Liquid-repellent
- High tracking resistance
- Inherent flame protection





## Duroplasts

Duroplasts have high dimensional stability, low water absorption, extremely good tracking resistance and outstanding fire resistance. The continuous operating temperature is higher than that of thermoplastics. The deformation resistance of the duroplasts under elevated thermal load is better than for thermoplastics. A disadvantage compared with thermoplastics is the low flexibility of duroplasts.

### Gemin KrG

KrG is a flame-retardant duroplast with high dimensional stability and extremely good tracking resistance. Compared with thermoplastics, KrG absorbs only a very small amount of water from the air. This property makes it suitable for use of the terminal blocks in offshore installations or shipbuilding.

- High constant operating temperature
- High fire resistance
- High tracking resistance
- Inherent flame protection
- Halogen-free flame retardant material



### Epoxy resin (EP)

Epoxy resin has extremely good tracking resistance and is also heat resistant. The special feature of the epoxy resin is its resistance to nuclear radiation. This property makes the terminal blocks suitable for use in nuclear power plants.

- Very good electrical properties
- Very high constant operating temperature
- Resistant against high-energy radiation
- Halogen and phosphorous-free flame retardant



# Insulating materials

Insulating materials made of thermoplastics such as polyamide (PA) or polycarbonate (PC) are easy to process. Terminal blocks consisting of an insulating material such as polyamide or polycarbonate are used in almost every industry. They have high strength and rigidity, excellent impact strength and good abrasion and wear resistance.

## Properties Thermoplastics

## Thermoplastics

Properties		Wemid	Polyamid (PAGF)	Polycarbonat (PC)
Volume resistance acc. to IEC 60093	$\Omega \times \text{cm}$	$10^{12}$	$10^{12}$	$10^{16}$
Dielectric strength acc. to IEC 60243-1	kV/mm	25	30	$\geq 30$
Tracking resistance (A) acc. to IEC 60112	CTI	600	500	$\geq 175$
Upper max. permissible limit temperature	$^{\circ}\text{C}$	130	100	115 / 125
Lower max. permissible limit temperature (static)	$^{\circ}\text{C}$	-60	-50	-50
Flammability acc. to UL 94		V-0	HB	V-2 / V-0

## Thermoplastics

### Wemid

Wemid is a modified thermoplastic which has properties tailored to meet the requirements of our line connectors. Advantages over PA are the improved fire protection and the higher continuous operating temperature. Wemid meets the strict requirements for use in railway vehicles acc. to NF F 16-101.

- Higher continuous operating temperature
- Improved fire resistance
- Halogen- and phosphorous-free flame retardant
- Low smoke produced in the event of fire
- Permitted for use in railway applications acc. to NF F 16-101



**Polyamide (PAGF)**

Glass-fibre reinforced polyamide (PAGF) offers outstanding dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. As compared to non-reinforced PA, this material has flammability rating HB according to UL 94.

- Excellent dimensional stability
- Very good mechanical characteristics
- Halogen-free flame retardant material

**Polycarbonate (PC)**

Polycarbonate (PC) offers excellent dimensional stability and extremely good mechanical properties. Compared to polyamides, polycarbonate has a higher specific resistance. These properties are particularly suitable for large terminal blocks or terminal blocks with closely spaced potentials.

- High dimensional stability
- High continuous operating temperature
- High electrical insulation properties
- Halogen-free flame retardant material



## Relevant standards – an overview

Standards have the status of a recommendation and are not legally binding. They serve to ensure the safety of systems and represent the acknowledged state of the art. We therefore always recommend compliance with the contents – irrespective of agreements and customer requirements.

### **The Low Voltage Directive IEC/EN 61439**

Since November 2014, IEC/EN 61439 has replaced the previously applicable standard IEC/EN 60439 for low-voltage switchgear and controlgear assemblies. It comprises seven parts:

1. General rules for low-voltage switchgear and controlgear assemblies (SCA)
2. Power switchgear and controlgear assemblies (PSC)
3. Distribution boards
4. Assemblies for construction sites
5. Cable distribution cabinets
6. Busbar distribution systems
7. Assemblies for marinas, camping sites, electric vehicles charging stations (preliminary standard)

In order to confirm compliance with IEC/EN 61439, it is important that you always refer to Part 1 and one of the following parts. The standard is addressed to every manufacturer and operator of switchgear and controlgear assemblies (SCA) up to 1,000 V AC and 1,500 V DC. Irrespective of whether you assemble the SCA stationary or mobile, with or without enclosure system.

### **The low-voltage switchgear standard IEC/EN 60947-1**

This standard applies for industrial low-voltage switchgear assemblies used in circuits up to 1,000 V AC or 1,500 V DC. It defines the general rules and requirements for low-voltage switchgear assemblies. This includes, for example, the definition, characteristic features, information to be supplied, normal conditions for operation, installation and transport as well as requirements for the construction and verification of characteristic features and behaviour.

## Interaction between the standards

### IEC/EN 61439 for switchgear and controlgear assemblies

With the withdrawal of the previous version on 23 September 2014, the DIN EN 61439: 20 0-06 standard for "Low-voltage switchgear and controlgear assemblies" – Part 1: General rules became binding for the switchgear and controlgear assemblies defined. This standard includes a series of changes that you have to consider as a switchgear manufacturer. However, these changes have no direct influence on the components, such as terminal blocks, which have to comply with the relevant product standard.

### The importance of DIN EN 61439 for components

Components that meet the requirements of the applicable product standard are suitable for direct use in switchgear systems. They must, however, take the definitions of standard series DIN EN 61439 into consideration.

The properties required from DIN EN 61439-1 are covered by the product standard for terminal blocks EN 60947-7-1(2, 3). As an aid for the required design verification for switchgear and controlgear assemblies, the following table provides you with further information on terminal blocks. Additional design verification is not required for individual items of equipment or components.

### Summarised

- IEC/EN 61439 is a new series of standards for the construction of switchgear and controlgear systems
- With the design verification, you as the manufacturer provide evidence for the suitability of the system
- You still confirm conformity with the standard by signing the EC Declaration of Conformity

## Low-voltage switchgear and controlgear assembly

### Original manufacturer

1.

#### Design verification

A combination of the variants is also conceivable

Variant 1: **Testing**

Variant 2: **Appraisal (incl. calculation)**

Variant 3: **Comparison with reference construction**

### Low-voltage switchgear and controlgear assemblies

2.

#### Manufacturer of the switchgear and controlgear assemblies

Switchgear manufacturer

Variant 1:  
**Comparison with a reference construction without changes**

The manufacturer of the switchgear and controlgear assemblies does not become the original manufacturer

Variant 2:  
**Original system with changes**

The manufacturer of the switchgear and controlgear assemblies becomes the original manufacturer

Design verification for changes

### Routine verification

3.

#### Switchgear and controlgear assemblies ready for operation

Guidelines for the construction of a switchgear and controlgear assemblies in accordance with the standard

# Checklist design verification according to IEC/EN 61439

## Design verification for terminal blocks and their accessories

Nr.	Characteristics to be proved	Section	Adaptability for terminal blocks																																				
1	Strength of material and parts: <ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul> properties of insulation material: <ul style="list-style-type: none"> <li>• Thermal stability</li> <li>• Resilience to extreme heat and fire due to internal electrical effects</li> <li>• Resistance to UV radiation</li> <li>• Lifting</li> <li>• Impact test</li> <li>• Marking</li> </ul>	10.2 10.2.2 10.2.3 10.2.3.1 10.2.3.2 10.2.4 10.2.5 10.2.6 10.2.7	The requirements refer exclusively to cabinets for switchgear. Terminal blocks are designated for the installation in appropriate cabinets.  The requirements refer exclusively to parts of the switchgear and controlgear assembly. Inserted components like terminal blocks are not affected. Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks bear the inscriptions, like it is determined in section 5 of the product standard.																																				
2	Degree of protection and enclosures	10.3	Terminal blocks are designated for the installation in cabinets, thus not relevant																																				
3	Clearances	10.4	The required clearances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
4	Creepage distances	10.4	The required creepage distances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
5	<ul style="list-style-type: none"> <li>• Protection against electric shock and integrity of protective circuits</li> <li>• Effective continuity between the exposed conductive parts of the assembly and the protective circuit</li> <li>• Short-circuit withstand strength of the protective circuit</li> </ul>	10.5 10.5.2 10.5.3	Covered by the type test for modular PE conductor terminals according to EN 60947-7-2. The quality and consistency of the PE conductor connection has to be verified by resistance measurement at the end use.  Not relevant, has to be judged in the end use. PE conductor terminals are subjected to a test of short-time withstand current in the context of the type test according to EN 60947-7-2.																																				
6	Installation of equipment	10.6	Installation and tight fit of terminal blocks is secured by the requirements and relevant tests according to the product standard.																																				
7	Internal circuits and connections	10.7	Not relevant, has to be judged in the end use for terminal blocks.																																				
8	Connections for conductors inserted from outside	10.8	Secured by selection of the terminal block as well as its type test according to EN 60947-7-1(2). The final assessment has to be made in the end use.																																				
9	Insulation properties: <ul style="list-style-type: none"> <li>• Operating frequency dielectric strength</li> <li>• Surge voltage strength</li> </ul>	10.9 10.9.2 10.9.3	Tests to the insulation properties are part of the dimensioning of type tested terminal blocks according to EN 60947-7-1(2). The verification for the switchgear and controlgear assembly takes place in the end use for the terminal blocks.																																				
10	Temperature rise limits	10.10	The rated values for terminal blocks according to EN 60947-1(2, 3) can be used for the dimensioning of the temperature rise limits. The verification has to be provided for the respective application, e.g. by measurement or calculation. The calculation of the terminal block's power dissipation can take place in the application by means of the electrical resistance as a function of current: $P_{\text{loss}} = R_{\text{max}} \cdot I^2$  Following maximum resistances per electrical potential according to EN 60947-7-1(2, 3) subject to the cross section for the terminal block are permitted: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tbody> <tr> <td>Cross section/mm<sup>2</sup></td> <td>1.5</td> <td>2.5</td> <td>4</td> <td>6</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td>Electrical resistance/mΩ</td> <td>1.83</td> <td>1.33</td> <td>1.00</td> <td>0.78</td> <td>0.56</td> <td>0.42</td> <td>0.32</td> <td>0.26</td> </tr> <tr> <td>Cross section/mm<sup>2</sup></td> <td>50</td> <td>70</td> <td>95</td> <td>120</td> <td>150</td> <td>185</td> <td>240</td> <td>300</td> </tr> <tr> <td>Electrical resistance/mΩ</td> <td>0.21</td> <td>0.17</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.06</td> </tr> </tbody> </table>	Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35	Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26	Cross section/mm <sup>2</sup>	50	70	95	120	150	185	240	300	Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06
Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35																															
Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26																															
Cross section/mm <sup>2</sup>	50	70	95	120	150	185	240	300																															
Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06																															
11	Short-circuit withstand strength	10.11	<p><b>For cross sections up to 35 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5ms) protection devices &lt;100 A (fort I<sub>cp</sub> &lt;10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> ≤ 10 kA (in front of the switchgear), a forward current I<sub>D</sub> with maximum 17 kA will arise with an upstream protection device. According to the section 10.11.2 of EN 61439-1, the switchgear manufacturer does not have to provide evidence in this case. This requirement is fulfilled by protection devices up to 100 A equipment (application of up to 35 mm<sup>2</sup> terminal blocks).</p> <p><b>For cross sections from 50 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5 ms) protection devices ≤ 630 A (I<sub>cp</sub> &gt; 10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> &gt; 10 kA (in front of the switchgear), a forward current I<sub>D</sub> will flow of up to the period of 5 ms with an upstream protection device. The switchgear manufacturer has to provide evidence for the maximum forward current I<sub>D</sub> by declaration of the terminal block's I<sub>pk</sub> (surge current strength, which the terminal block is able to conduct without being destroyed).</p>																																				
12	Electromagnetic compatibility	10.12	Not relevant, because terminal blocks are seen as passive components according to the product standard EN 60947-7-1(2, 3).																																				
13	Mechanical operation	10.13	Not relevant																																				

# Technical requirements from the standards

## Rated cross-section

The rated cross-section of a terminal block is the value of the connectable wire cross-section, as specified by the manufacturer. This serves as a reference for certain thermal, mechanical and electrical requirements. The rated cross-section is selected from the following standard cross-sections: 0.2 – 0.5 – 0.75 – 1.0 – 1.5 – 2.5 – 4.0 – 6.0 – 10 – 16 – 25 – 35 – 50 – 70 – 95 – 120 – 150 – 240 – 300 mm<sup>2</sup>.

Terminal blocks have a rated connection capacity that is at least two levels lower than the rated cross-section. The conductors can be solid, stranded or flexible, possibly with conductor end pretreatment. The verification of the rated cross-section is performed with gauges according to IEC 60947-1.

## Rated current IEC 60947-7-1

Test currents are assigned to the rated cross-sections according to IEC 60947-7-1. These rated currents cause no impermissible heat transfer to the terminal:

mm <sup>2</sup>	1.5	2.5	4.0	6.0
A	17.5	24	32	41
mm <sup>2</sup>	10	16	25	35
A	57	76	101	125
mm <sup>2</sup>	50	70	95	120
A	150	192	232	269
mm <sup>2</sup>	150	185	240	300
A	309	353	415	520

## Conventional free-air thermal current (I<sub>th</sub>)

The conventional thermal current in free air (I<sub>th</sub>) is the highest test current for heating tests of unenclosed devices (see 4.3.2.1 of IEC 60947-1.) This applies exclusively to terminal blocks with multiple connection levels (multi-tier terminals) and to test-disconnect terminal blocks for which current reduction is permissible.

## Rated voltage IEC 60947-7-1

The rated voltage of a terminal block is the rated insulation voltage to which the insulation tests and creepage distances relate. It is determined analogously to IEC 60664-1.

## Rated impulse withstand voltage IEC 60947-7-1

Rated impulse withstand voltage is the peak value of a surge voltage with which the terminal blocks can be subjected. The clearance distances in IEC 60947-1 and IEC 60664-1 are related to it.

## Pollution severity IEC 60947-7-1

The pollution severity defines the influence of solid, liquid or gaseous foreign matter, which may reduce the dielectric strength or the specific surface resistance. Pollution severity 3 has been specified for terminal blocks for industrial applications: conductive contamination occurs on dry, non-conductive contamination which becomes conductive as moisture condensation may also occur. The minimum air clearance measurement is defined in IEC 60947-7-1 in conjunction with the rated surge voltage.

## Operating conditions

The terminal blocks can be operated under the following normal conditions:

- Ambient temperature –5 °C to +40 °C, mean value 24 h +35 °C
- Altitude up to 2000 m above sea level
- Relative humidity: 50 % at +40 °C, 90 % at +20 °C

# Testing the contact security

## Construction requirements

IEC 60947-7-1 requires that clamping points must ensure a reliable mechanical and electrical connection with permanent contact.

## Tests

Standardised tests offer you the assurance that wired connections comply with the required conditions. IEC 60947-7-1 stipulates a series of tests for wire connections in terminal blocks. One or more terminals of a particular type are tested for agreement with certain limit values. These include:

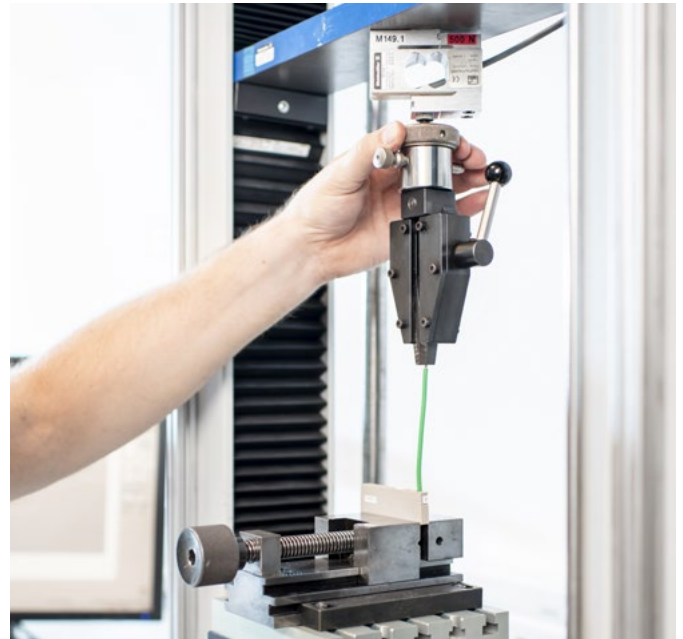
- Insulation test
- Evidence of the voltage drop
- Testing of the short-time withstand current capacity
- Aging testing for terminal blocks with tension clamp, insulation displacement and PUSH IN connection technology

## Special testing

Beyond the stipulated scope of type testing, further tests can be performed at your own discretion or in agreement with the user.

## Contact security

The high level of contact security and reliability are verified with our systems using various tests (see table).



### 1 Type testing acc. to IEC 60947-7-1

### 2 Stricter Weidmüller tests

#### 2.1 Mechanical tests:

- Vibration testing to Weidmüller requirements
- Natural resonance characteristics acc. to IEC 60068-2-6
- Shock and vibration testing acc. to BV 0440/... and BV 0430/

#### 2.2 Environmental testing:

- Cold testing acc. to EN 60068-2-1
- Damp heat (steady state) acc. to IEC 60512-6 test 11c
- Damp heat (steady state) acc. to IEC 60068-2-30
- Damp heat (cyclic) acc. to IEC 60068-2-30
- Salt spray testing acc. to IEC 60068-2-11
- Sulphur dioxide SO<sub>2</sub> acc. to IEC 60068-2-42
- Hydrogen sulphide H<sub>2</sub>S acc. to IEC 60068-2-43
- Gas tightness acc. to IEC 605 12\_6\_PR 11n

### 3 National and international approvals

### 4 Practice, i.e. the use of systems in harsh areas of application in industry, e.g. Ex applications



# Protection against inadvertent, direct touching, of hazardous live parts

## Back of hand safety according to EN 61032

Back of hand safety is satisfied if, according to EN 61032, a sphere of diameter 50 (+0.01) mm with a force of 50 ( $\pm 5$ ) N does not touch any hazardous parts.

## Actuation conditions according to IEC 60947-7-3

IEC 60947-7-3 paragraph 7.1.8 specifies that fuse terminal blocks must be constructed in such a way that live parts cannot be touched. Finger safety for live parts of the cartridge fuse must be maintained while the cartridge fuse is replaced. If it is necessary to maintain protection against electric shock, label with "line-load" or arrows that indicate the energy flow direction.

## In general:

Not all installation components have to be configured touch-safe, as in the example of terminal blocks. A touch-safe construction is only required if these components are arranged in a direct radius of 30 mm around the operation elements and the system cannot be insulated (exception allowed on the basis of the construction using accessories in each case).

## Principles for the use of terminal blocks in Ex-areas

Harsh industrial environments and explosive risk zones, such as in the oil and gas industry, make extreme demands on safety, robustness and quality of products and devices. Numerous standards describe what has to be considered in Ex environments. They serve as the basis for extensive approvals.



### Explosion protection

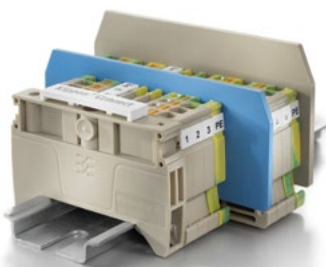
Worldwide, explosion protection is essentially based on the international IEC 60079 series of standards, European and American norms, standards, and directives. In the USA, the National Electrical Code (NEC) and in Canada the Canadian Electrical Code (CEC) form the basis.

For the CENELEC countries of the European Community and beyond, Directive 2014/34/EU is of central importance for manufacturers of equipment and protective systems. The worldwide requirements are confirmed by certification according to IECEx. Thus, the application is approved in the type of protection „Increased Safety“ Ex e in Zone 1 and 2.



### Terminal blocks in the Ex environment

According to EN IEC 60079-0, Ex terminal blocks are so-called Ex components. By definition, these are components that are required for the safe operation of devices and protective systems, but without performing an autonomous function themselves. They are approved for the type of protection equipment increased safety „e“ and are not marked with the CE mark according to the European ATEX directives 2014/34/ EU.



### Accessories

The accessories you can use is listed in the Ex-certificates. To adhere to the creepage and clearance distances for Ex e, use terminations and partition plates. Terminal blocks for intrinsically-safe circuits “i” are passive components. Therefore, for use in intrinsically-safe circuits, you do not need a type examination certificate. We recommend blue terminals for clear identification and easy recognition. These, as well as the accessories, have to comply with the type according to EN 60079-11.

### Issue of type examination certificate

Notified bodies issue EU type examination certificates in accordance with EN IEC 60079-0; EN IEC 60079-7 and the ATEX Directive. By issuing the Production Quality Assurance Notification, a notified body confirms that the requirements of the ATEX Directive according to Annexes IV and VII are met.

### Requirements for terminal blocks for type of protection increased safety Ex eb

The type of protection Increased Safety "Ex eb" (IEC/EN 60079-7) is based on the principle of more stringent design measures.

The elementary points for terminal blocks are:

- Increased requirements for self-heating compared to industry standard
- Compliance of clearance and creepage distances (eb)
- The terminal block must be inserted or protected in such a way that the connection can neither become loose nor be damaged inadmissibly by the clamping point

The above points and the technical data are tested by an independent testing institute (DEKRA, PTB, TÜV...) and certified by the certificate.

The following tests must be verified by the type examination or serve as a basic requirement for an IEC Ex application:

- Type testing according to IEC 60947-7-1/-2/-3
- Verification and documentation of clearance and creepage distances
- Ageing test:
  - 14 days storage at 95 °C and 95 % humidity
  - Further 14 days at dry heat Level of the TI value of the insulating material
  - 24 hours cold storage at -65 °C (for PA66) with subsequent conductor pull-out test

Depending on the type of protection, the terminal blocks are approved for increased safety „eb" or „ec" and thus for installation in Zone 1 or Zone 2. This applies provided that the terminal blocks are installed in a terminal box.

Terminal boxes must also have the ignition protection type device protection for increased safety Ex e and must at least correspond to protection type IP54. The installation instructions must be taken into account in the application.



Ex eb

## Principles for the use of terminal blocks in Ex-areas



Ex i

### Requirements for terminal blocks for type of protection

#### Equipment protection Intrinsic safety Ex i

For applications with type of protection equipment intrinsic safety Ex i, no separate approval is required for terminal blocks. In addition to the Ex e approved terminal blocks, other standard terminal blocks can also be used, whereby the following more stringent spacing requirements apply in the Ex i area:

- Between conductor entries adjacent terminals
- Between conductor entries and grounded metal parts
- Increased requirements for clearances due to solid insulation



Ex ec

### Requirements for terminal blocks for type of protection Ex ec

When test disconnect terminal blocks or fuse terminal blocks are used, they must have approval for the type of protection for equipment protection increased safety Ex ec. In this case, increased requirements apply to the terminal blocks and their functional units. For example, all disconnectable elements must have a release force greater than 15 N or 100 times their own weight to prevent unintentional opening.



ATEX

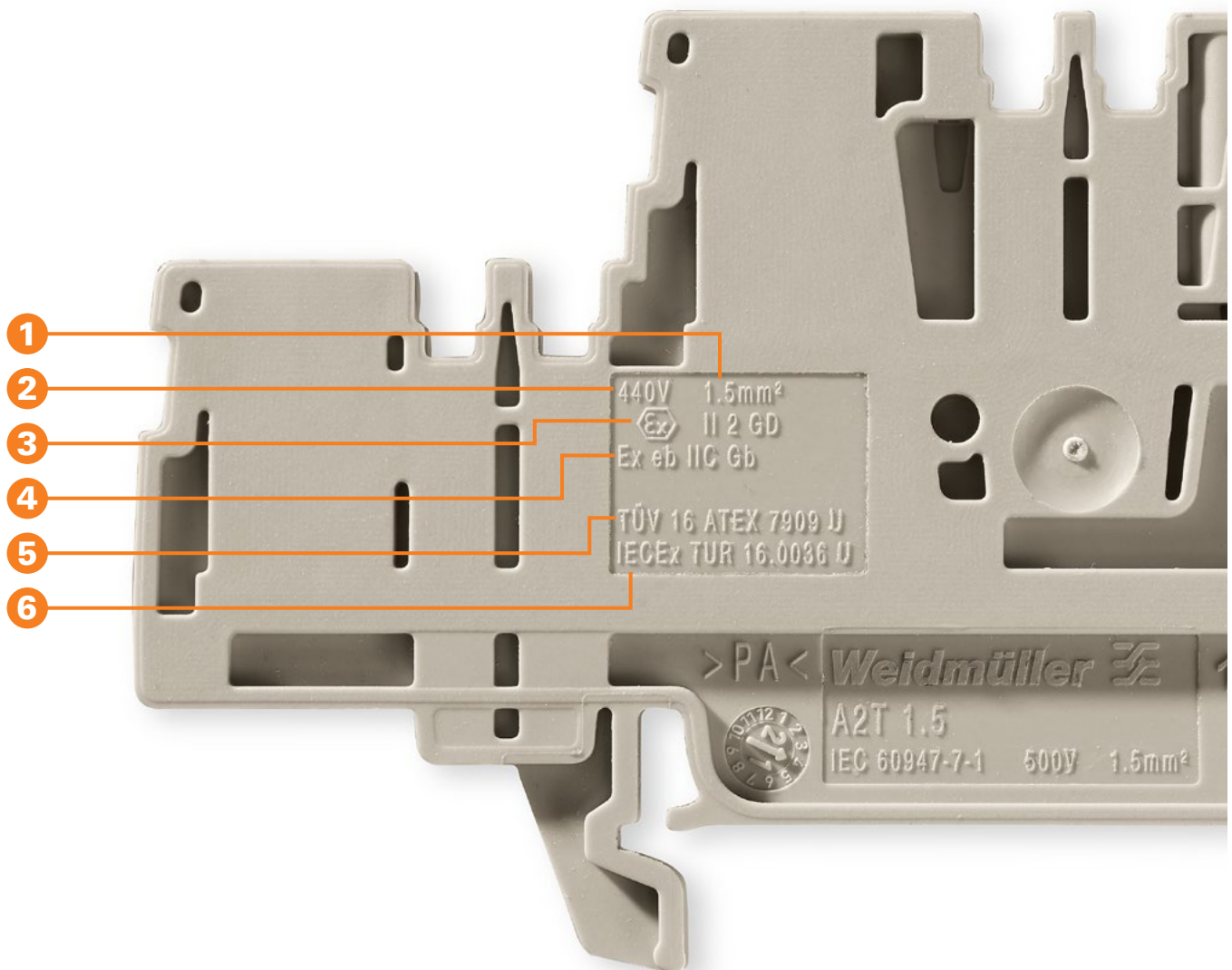
### Further approvals and guidelines for the explosion protected areas

Other national and international approvals and directives are based on the IECEx approval. For example, ATEX for the European market, CCC Ex for the Chinese market, KC for the South Korean market or EAC Ex for the Eurasian Economic Union, which includes Russia, Belarus, Kazakhstan, Kyrgyzstan and Armenia.

### Labeling of terminal blocks in Ex areas

The explosion-protected equipment must be marked in such a way that it is used correctly according to its safety-related properties. For terminal blocks of the type of protection increased safety „e“ there is a marking obligation. This marking of the equipment is laid down in IEC/EN 60079 Part 0 and Part 7. The exemplary marking of a terminal block can be seen in the following illustrations.

- 1 Rated cross section
- 2 Rated voltage
- 3 ATEX label
- 4 Type of protection label
- 5 ATEX certificate number
- 6 IECEx certificate number





# Service and support

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## Our expertise for your requirements

### Service connects – worldwide



Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity.

Our personal support answers all questions reliably and expertly. During planning, installation or operation our service and support offer is your best companion.

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**Your way to our service**  
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# Engineering services and customised products

Automation engineering and connectivity consulting belongs to our services as well as assembly of engineered products. We also support the process from the idea to the product with our Weidmüller Configurator and the Configure-to-Order process.



## Consulting and engineering

The challenge for you is reducing costs and increasing efficiency. This requires intelligent, individual solutions. Whether it is modified products, pre-fitted mounting rails or complete small cabinets – our application centres provide a highly qualified custom-made engineering and production service.



## Connectivity Consulting

Increase your competitiveness - supported by our experts. Our drive is to optimise your competitiveness. That's why our team of experts supports you in significantly increasing your efficiency in electrical machine design and control cabinet construction. With proven products and services from the Weidmüller portfolio – and with the experience gained from over 300 projects worldwide.



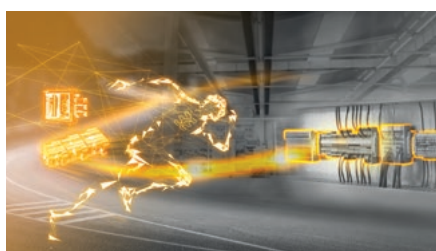
## Assembled terminal rails - Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.



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Obtain offers 24/7 and within minutes, including directly orderable article numbers with our Fast Delivery Service. The Weidmüller Configurator (WMC) for planning and configuration is key for consistent processes. Dispatch your orders in 5 days. Assemble individual terminal strips and enclosures from batch size 1!

# Your ticket to the world of digital service

## easyConnect – Your Industrial Service Platform



Our cloud-based platform is your ticket to the world of digital services from Weidmüller, and the intuitive and future-proof tool for your way to the Industrial IoT. Realise your use cases easily, consistently and without any relevant prior knowledge, thanks to the perfect interaction of platform, devices and diverse software services.

As an open, modular and perfectly integrable system, the platform is your enabler for a wide range of use cases. Increase your efficiency and unleash your full innovation potential with easyConnect.



**Interested in using easyConnect?**

Learn how to get started with easyConnect step-by-step.

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## Why should you use easyConnect?

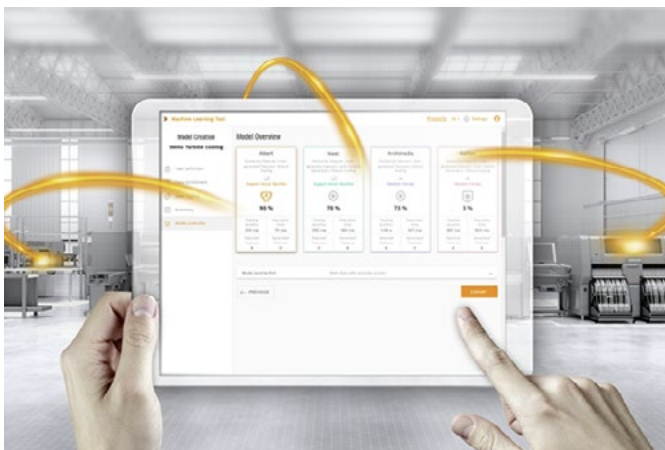
- You want to enter your digital transformation step-by-step?
- You want to make the step into Industrial IOT, but have no or little IT expertise?
- You want to use your digital data for smart & scalable services?
- You want to offer digital services (such as customised dashboard) to your customers?
- You want to improve your service offering and efficiency, e.g. through remote access?
- You feel Weidmüller's digital services are interesting, but you have „your cloud“ already?



Weidmüller comes up with the solution: easyConnect, the new digitalisation platform. It bundles Weidmüller's digital services at one place in the cloud and connects them with various Weidmüller devices.

With easyConnect you start digitalising your application step-by-step without ballast in a secure way.

## The following services are initially available on easyConnect:



### Device management

Adding and managing cloud-connected devices is typically the first step in any Industrial IoT use case.

### Asset management

The asset management service is a modelling tool that allows users to model their assets and processes and link them to relevant time series data.

### Remote access (u-link)

u-link guarantees a quick and secure access to machines and plants while also allowing for efficient management.

### Data visualisation

easyConnect data visualisation services enable users to view, monitor and display live and historical data.

### AutoML

With Weidmüller Industrial AutoML, you can optimize operations, increase product quality and develop new business models by benefiting from advanced analytics.

## Expand the possibilities of our products

Our Support Center provides you with comprehensive, clear and personal assistance



Receive fast and intuitive support to get the most out of our products in your application. In our new Support Center you can search or navigate to the many application notes, product information, video tutorials or software downloads of our products.

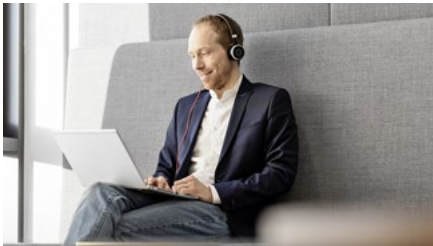
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V



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## Additional support services



### Training and Webinars

Stay tuned in a world that is accelerating. In our entertaining interactive webinars, we offer you the opportunity to learn about new products and technology topics and to interact with our experts.



### Repairs and replacement parts

We offer repair and components for our Workplace Solutions as well as assistance for other Weidmüller products. Find out how our experts can help you with your repair request.



### Security advisory board

Our Product Security Incident Response Team (PSIRT) continuously informs you about possible security-related vulnerabilities of our products.



### Engineering data

For the quick integration of our products into your design, there are a lot of digital product data for engineering systems like EPLAN, Zuken E3.series, WSCAD and many others available for download.



### Product change notifications

Technical modifications of our products always available online.



### Technical product catalogues

Technical data for our entire program in Industrial Connectivity for download in PDF-format.

## From the idea to the finished solution

# Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering

Digital engineering can be so easy – with the Weidmüller Configurator!

It's a **free to use** software application to easily configure industrial solutions. It features more than **12,000 articles** from multiple product families including rail-mounted components, industrial and ex-certified enclosures, Heavy Duty Connectors, remote I/O-systems and PCB connectors.

Unleash the full power of digital engineering:

Our application wizards help you choose the right articles.

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Our promise: Speed up your solution planning process by up to 70%!

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You want your solution right away? Our **Fast Delivery Service** guarantees delivery of individually assembled terminal strips or enclosures within a few days.

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The Weidmüller Configurator makes solution planning easy. Visit our website for more information, tutorials and download it for free:



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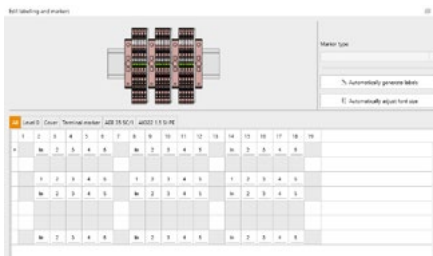


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Design complete applications within few clicks – even without detailed product knowledge – for signal wiring, load monitoring, instrument transformers, enclosures, remote I/O-systems and many more.



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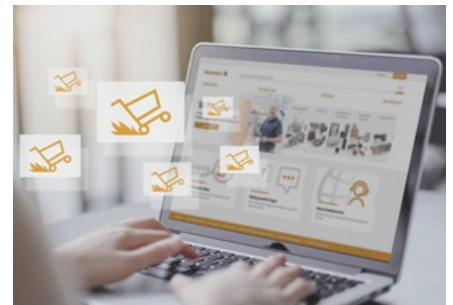
# Digital ordering options

## Your digital ordering options at Weidmüller

Find and easily select the products you need, with convenient ordering: as your Partner in Industrial Connectivity, we know what counts in purchasing. That is why we offer you a variety of options for ordering products from us and optimising your purchasing processes to meet your individual requirements and your workflow. The choice is yours.

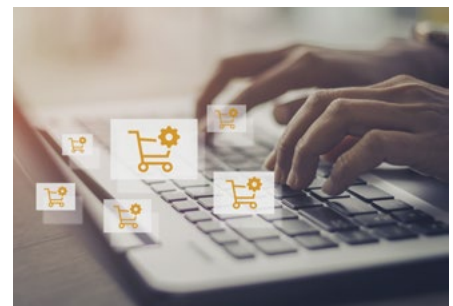
### Order via the Weidmüller eShop

Our eShop offers you access to the complete Weidmüller product range around the clock – directly from a PC, tablet, or smartphone. The intuitive user guidance supports you as you select from over 50,000 products. Technical data, prices, and availabilities are available at any time. The shopping basket with check out function lets you place an order in seconds. Convenient additional functions like CSV upload, order history, reports, or custom order templates make your ordering processes even more efficient.



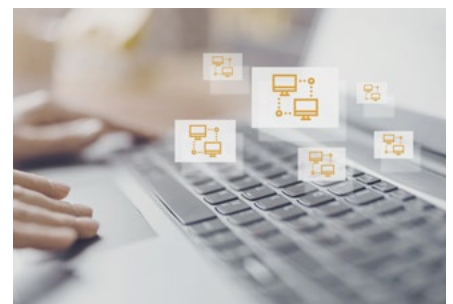
### Order via the OCI interface

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A2C 4 BR	2534370000	A.118
A2C 4 DBL	2534380000	A.118
A2C 4 DL	2674780000	A.101
A2C 4 DL BL	2674790000	A.101
A2C 4 DL OR	2799170000	A.101
A2C 4 FE WT	2734150000	B.97
A2C 4 FE WT	2734150000	B.99
A2C 4 GN	2051260000	A.118
A2C 4 LTGY	2051330000	A.118
A2C 4 OR	2051230000	A.118
A2C 4 PE	2051360000	A.49
A2C 4 PE	2051360000	A.105
A2C 4 PE DL	2674800000	A.102
A2C 4 RD	2051220000	A.118
A2C 4 WT	2051290000	A.118
A2C 4 YL	2051250000	A.118
A2C 50/70	2663250000	A.29
A2C 50/70	2663250000	B.16
A2C 50/70 3FT	2663320000	B.22
A2C 50/70 3FT-DM	2663390000	B.23
A2C 50/70 3FT-FE	2663310000	B.22
A2C 50/70 3FT-FE-DM	2663380000	B.23
A2C 50/70 3FT-N	2663300000	B.22
A2C 50/70 3FT-N-DM	2663370000	B.23
A2C 50/70 3FT-N-FE	2663290000	B.22
A2C 50/70 3FT-N-FE-DM	2663360000	B.23
A2C 50/70 BL	2663260000	A.29
A2C 50/70 BL	2663260000	B.16
A2C 50/70 BL-DM	2663340000	A.29
A2C 50/70 BL-DM	2663340000	B.17
A2C 50/70 DL	2742090000	A.101
A2C 50/70 DL BL	2755900000	A.101
A2C 50/70 FE	2663270000	B.16
A2C 50/70 FE	2663270000	B.104
A2C 50/70 FE DL	2742100000	A.101
A2C 50/70 FE-DM	2663350000	B.17
A2C 50/70 FE-DM	2663350000	B.104
A2C 50/70 PE	2663280000	A.55
A2C 50/70 PE	2663280000	B.17
A2C 50/70 PE DL	2742110000	A.102
A2C 50/70-DM	2663330000	A.29
A2C 50/70-DM	2663330000	B.17
A2C 6	1992110000	A.22
A2C 6	1992110000	A.105
A2C 6	1992110000	A.118
A2C 6 BL	1991790000	A.22
A2C 6 BL	1991790000	A.118
A2C 6 DL	2674870000	A.101
A2C 6 DL BL	2674880000	A.101
A2C 6 DL OR	2799190000	A.101
A2C 6 FE WT	2734160000	B.97
A2C 6 FE WT	2734160000	B.99
A2C 6 OR	1991800000	A.118
A2C 6 PE	1991810000	A.52
A2C 6 PE	1991810000	A.105
A2C 6 PE DL	2674890000	A.102
A2C 95/120	2694060000	A.29
A2C 95/120	2694060000	B.18
A2C 95/120 3FT	2694140000	B.22
A2C 95/120 3FT-DM	2694230000	B.23
A2C 95/120 3FT-FE	2694130000	B.22
A2C 95/120 3FT-FE-DM	2694220000	B.23
A2C 95/120 3FT-N	2694120000	B.22
A2C 95/120 3FT-N-DM	2694200000	B.23
A2C 95/120 3FT-N-FE	2694100000	B.22
A2C 95/120 3FT-N-FE-DM	2694180000	B.23
A2C 95/120 BL	2694070000	A.29
A2C 95/120 BL	2694070000	B.18
A2C 95/120 BL-DM	2694160000	A.30
A2C 95/120 BL-DM	2694160000	B.19
A2C 95/120 DL	2742120000	A.101
A2C 95/120 DL BL	2755910000	A.101
A2C 95/120 FE	2694080000	B.18
A2C 95/120 FE	2694080000	B.105
A2C 95/120 FE DL	2742130000	A.101
A2C 95/120 FE-DM	2694170000	B.19
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A2C 95/120-DM	2694150000	B.19
A2T 1.5	2469370000	A.32
A2T 1.5	2469370000	A.105
A2T 1.5 BL	2471430000	A.32
A2T 1.5 DL	2675060000	A.101
A2T 1.5 DL BL	2675070000	A.101
A2T 1.5 FT-PE	2469390000	A.33
A2T 1.5 FT-PE DL	2675080000	A.101
A2T 1.5 KNX RD-BK	2652200000	B.131
A2T 1.5 KNX WT-YL	2652210000	B.131
A2T 1.5 PE	2469410000	A.56
A2T 1.5 PE	2469410000	A.105
A2T 1.5 PE DL	2675100000	A.102
A2T 1.5 VL	2469400000	A.32
A2T 1.5 VL BL	2471450000	A.32
A2T 1.5 VL DL	2675090000	A.101
A2T 1.5 YL	1547610000	A.34
A2T 2.5	1547610000	A.105
A2T 2.5 3C	2531290000	A.36
A2T 2.5 3C BL	2531510000	A.36
A2T 2.5 3C FT-PE	2531300000	A.37
A2T 2.5 3C-NFT	2736830000	A.37
A2T 2.5 3C-NPE	2622650000	A.37
A2T 2.5 3C PE	2531320000	A.58
A2T 2.5 3C VL	2531310000	A.36
A2T 2.5 3C VL BL	2531530000	A.36
A2T 2.5 BL	1547620000	A.34
A2T 2.5 DL	2675110000	A.101
A2T 2.5 DL BL	2675120000	A.101
A2T 2.5 DT/DT	2744110000	A.70
A2T 2.5 DT/DT BL	2744120000	A.70
A2T 2.5 DT/FT	2744130000	A.70
A2T 2.5 DT/FT BL	2744140000	A.70
A2T 2.5 EM1 24VUC LED RD/1	2704410000	A.95
A2T 2.5 EM1 D/0	2704330000	A.92
A2T 2.5 EM1 D/1	2704370000	A.93
A2T 2.5 EM1 D/2	2704380000	A.93
A2T 2.5 EM1 D3/1	2820630000	A.93
A2T 2.5 EM1 D3/2	2820640000	A.93
A2T 2.5 EM2 D/0	2704360000	A.92
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A2T 2.5 EM2 D/6	2704400000	A.94
A2T 2.5 EM3 D/0	2704340000	A.93
A2T 2.5 FT-PE	1547640000	A.35
A2T 2.5 FT-PE DL	2675130000	A.101
A2T 2.5 N-FT	2723370000	A.35
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A2T 2.5 PE DL	2675150000	A.102
A2T 2.5 SNAPMARK	2581250000	A.34
A2T 2.5 SNAPMARK BL	2581280000	A.34
A2T 2.5 VL	1547650000	A.35
A2T 2.5 VL BL	1547660000	A.35
A2T 2.5 VL DL	2675140000	A.101
A2T 2.5 VL DL BL	2815620000	A.101
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A4C 1.5	1552690000	A.105	AAC 50-185 2X10	2663420000	B.18	AAP11 6/6X1.5 LQ-LI DL OR	2675400000	A.102	ADT 4 2C BL	2429880000	A.69
A4C 1.5	1552690000	A.118	AAC 50-185 2X10	2663420000	B.19	AAP11 6/6X1.5 LQ-LI DL RD	2675390000	A.102	ADT 4 2C DL	2675240000	A.102
A4C 1.5 BK	2534260000	A.118	AAC 50-185 2X10	2663420000	B.20	AAP11 6/6X1.5 LQ-LI OR	2503870000	B.37	AEB 35 SC/1	1991920000	A.6
A4C 1.5 BL	1552700000	A.117	AAC 50-185 2X10	2663420000	B.21	AAP11 6/6X1.5 LQ-LI RD	2464690000	B.37	AEB 35 SC/1	1991920000	A.7
A4C 1.5 BL	1552700000	A.118	AAC 50-185 2X10	2663420000	B.22	AAP11 6/6X1.5 LQ-LI WT	2712960000	B.37	AEB 35 SC/1	1991920000	A.8
A4C 1.5 BR	2534460000	A.118	AAC 50-185 2X10	2663420000	B.23	AAP11 6/6X1.5 PE-LI	2464740000	B.37	AEB 35 SC/1	1991920000	A.9
A4C 1.5 DBL	2534470000	A.118	AAC 50-185 2X10	2663420000	B.24	AAP12 10 FE	1988200000	B.42	AEB 35 SC/1	1991920000	A.10
A4C 1.5 DL	2674660000	A.101	AAC 50-185 2X10 BK-YL	2663450000	A.29	AAP12 10 LO BL	1988180000	B.42	AEB 35 SC/1	1991920000	A.11
A4C 1.5 DL BL	2674670000	A.101	AAC 50-185 2X10 BK-YL	2663450000	A.30	AAP12 10 LO BL/OR	2522860000	B.42	AEB 35 SC/1	1991920000	A.12
A4C 1.5 GN	2534410000	A.118	AAC 50-185 2X10 BK-YL	2663450000	A.31	AAP12 10 LO DL BL	2675440000	A.102	AEB 35 SC/1	1991920000	A.16
A4C 1.5 LTGY	2534420000	A.118	AAC 50-185 2X10 BK-YL	2663450000	B.16	AAP12 10 LO DL BL/OR	2675450000	A.102	AEB 35 SC/1	1991920000	A.17
A4C 1.5 OR	1552720000	A.118	AAC 50-185 2X10 BK-YL	2663450000	B.17	AAP12 10 LO DL OR	2675430000	A.102	AEB 35 SC/1	1991920000	A.18
A4C 1.5 PE	1552660000	A.47	AAC 50-185 2X10 BK-YL	2663450000	B.18	AAP12 10 LO DL RD	2675420000	A.102	AEB 35 SC/1	1991920000	A.19
A4C 1.5 PE	1552660000	A.105	AAC 50-185 2X10 BK-YL	2663450000	B.19	AAP12 10 LO DL/OR	2619410000	B.42	AEB 35 SC/1	1991920000	A.20
A4C 1.5 PE DL	2674680000	A.102	AAC 50-185 2X10 BK-YL	2663450000	B.20	AAP12 10 LO OR	2503900000	B.42	AEB 35 SC/1	1991920000	A.21
A4C 1.5 RD	2534430000	A.118	AAC 50-185 2X10 BK-YL	2663450000	B.21	AAP12 10 LO RD	1988190000	B.42	AEB 35 SC/1	1991920000	A.22
A4C 1.5 WT	2534440000	A.118	AAC 50-185 2X10 BK-YL	2663450000	B.22	AAP12 10 LO WT	2683450000	B.42	AEB 35 SC/1	1991920000	A.23
A4C 1.5 YL	2534450000	A.118	AAC 50-185 2X10 BK-YL	2663450000	B.23	AAP12 10/4X2.5 LQ-LI BL	2464720000	B.43	AEB 35 SC/1	1991920000	A.24
A4C 2.5	1521690000	A.19	AAC 50-185 2X10 BK-YL	2663450000	B.24	AAP12 10/4X2.5 LQ-LI BL/OR	2522850000	B.43	AEB 35 SC/1	1991920000	A.25
A4C 2.5	1521690000	A.105	AAC 50-185 2X10 BL	2663430000	A.29	AAP12 10/4X2.5 LQ-LI DL BL/OR	2675520000	A.102	AEB 35 SC/1	1991920000	A.26
A4C 2.5	1521690000	A.118	AAC 50-185 2X10 BL	2663430000	A.30	AAP12 10/4X2.5 LQ-LI DL OR	2675510000	A.102	AEB 35 SC/1	1991920000	A.27
A4C 2.5 BK	1521820000	A.118	AAC 50-185 2X10 BL	2663430000	A.31	AAP12 10/4X2.5 LQ-LI DL RD	2675500000	A.102	AEB 35 SC/1	1991920000	A.28
A4C 2.5 BL	1521700000	A.119	AAC 50-185 2X10 BL	2663430000	B.16	AAP12 10/4X2.5 LQ-LI OR	2503890000	B.43	AEB 35 SC/1	1991920000	A.29
A4C 2.5 BL	1521700000	A.118	AAC 50-185 2X10 BL	2663430000	B.17	AAP12 10/4X2.5 LQ-LI RD	2464730000	B.43	AEB 35 SC/1	1991920000	A.30
A4C 2.5 BR	2534750000	A.118	AAC 50-185 2X10 BL	2663430000	B.18	AAP12 10/4X2.5 LQ-LI WT	2712970000	B.43	AEB 35 SC/1	1991920000	A.32
A4C 2.5 DBL	2534740000	A.118	AAC 50-185 2X10 BL	2663430000	B.19	AAP12 10/4X2.5 PE-LI	2464710000	B.43	AEB 35 SC/1	1991920000	A.33
A4C 2.5 DL	2674750000	A.101	AAC 50-185 2X10 BL	2663430000	B.20	AAP12 10/4X2.5 PE-LI DL	2742080000	A.102	AEB 35 SC/1	1991920000	A.34
A4C 2.5 DL BL	2674760000	A.101	AAC 50-185 2X10 BL	2663430000	B.21	AAP12 10/4X2.5 LI BL/OR	2522840000	B.43	AEB 35 SC/1	1991920000	A.35
A4C 2.5 DL OR	2799160000	A.101	AAC 50-185 2X10 BL	2663430000	B.22	AAP12 2.5 LI BL	1988100000	B.43	AEB 35 SC/1	1991920000	A.36
A4C 2.5 FE WT	2690470000	B.97	AAC 50-185 2X10 BL	2663430000	B.23	AAP12 2.5 LI DL BL	2675490000	A.102	AEB 35 SC/1	1991920000	A.37
A4C 2.5 FE WT	2690470000	B.98	AAC 50-185 2X10 BL	2663430000	B.24	AAP12 2.5 LI DL BL/OR	2675480000	A.102	AEB 35 SC/1	1991920000	A.38
A4C 2.5 GN	1521700000	A.118	AAC 50-185 2X10 GN-YL	2663440000	A.29	AAP12 2.5 LI DL OR	2675470000	A.102	AEB 35 SC/1	1991920000	A.39
A4C 2.5 LTGY	2003130000	A.118	AAC 50-185 2X10 GN-YL	2663440000	A.30	AAP12 2.5 LI DL RD	2675460000	A.102	AEB 35 SC/1	1991920000	A.40
A4C 2.5 OR	1521720000	A.118	AAC 50-185 2X10 GN-YL	2663440000	A.31	AAP12 2.5 LI GN/OR	2614110000	B.43	AEB 35 SC/1	1991920000	A.41
A4C 2.5 PE	1521540000	A.49	AAC 50-185 2X10 GN-YL	2663440000	A.55	AAP12 2.5 LI OR	2503880000	B.43	AEB 35 SC/1	1991920000	A.42
A4C 2.5 PE	1521540000	A.105	AAC 50-185 2X10 GN-YL	2663440000	A.56	AAP12 2.5 LI RD	1988290000	B.43	AEB 35 SC/1	1991920000	A.43
A4C 2.5 PE DL	2674770000	A.102	AAC 50-185 2X10 GN-YL	2663440000	B.16	AAP12 2.5 LI WT	2683460000	B.43	AEB 35 SC/1	1991920000	A.44
A4C 2.5 RD	1521710000	A.118	AAC 50-185 2X10 GN-YL	2663440000	B.17	AAP12 10/4X2.5 LQ-LI DL BL	2675530000	A.102	AEB 35 SC/1	1991920000	A.46
A4C 2.5 WT	1521790000	A.118	AAC 50-185 2X10 GN-YL	2663440000	B.18	AAP13 1.5 LHJ	1988280000	B.39	AEB 35 SC/1	1991920000	A.47
A4C 2.5 YL	1521730000	A.118	AAC 50-185 2X10 GN-YL	2663440000	B.19	AAP12 1.5 LHJ DL	2675550000	A.102	AEB 35 SC/1	1991920000	A.48
A4C 4	2051500000	A.21	AAC 50-185 2X10 GN-YL	2663440000	B.20	AAP13 1.5 LHJ OR	2623920000	B.39	AEB 35 SC/1	1991920000	A.49
A4C 4	2051500000	A.105	AAC 50-185 2X10 GN-YL	2663440000	B.21	AAP13 6 FE-LI	1988270000	B.38	AEB 35 SC/1	1991920000	A.50
A4C 4	2051500000	A.118	AAC 50-185 2X10 GN-YL	2663440000	B.22	AAP13 6 LD-LI	1988280000	B.38	AEB 35 SC/1	1991920000	A.51
A4C 4 BK	2051660000	A.118	AAC 50-185 2X10 GN-YL	2663440000	B.23	AAP13 6 LD-LI DL	2675540000	A.102	AEB 35 SC/1	1991920000	A.52
A4C 4 BL	2051520000	A.21	AAC 50-185 2X10 GN-YL	2663440000	B.24	AAP13 6 LD-LI OR	2623910000	B.39	AEB 35 SC/1	1991920000	A.53
A4C 4 BL	2051520000	A.118	AAM 1.5 YE FLASH	2635520000	A.116	AAP14 10 FE-LI	1988240000	B.44	AEB 35 SC/1	1991920000	A.54
A4C 4 BR	2534390000	A.118	AAM 10 YE FLASH	2635580000	A.116	AAP14 10 LD-LI	1988250000	B.44	AEB 35 SC/1	1991920000	A.55
A4C 4 DBL	2534400000	A.118	AAM 16 YE FLASH	2635590000	A.116	AAP14 10 LD-LI DL	2675560000	A.102	AEB 35 SC/1	1991920000	A.56
A4C 4 DL	2674840000	A.101	AAM 2.5 YE FLASH	2635550000	A.116	AAP14 2.5 LHJ DL	1988230000	B.45	AEB 35 SC/1	1991920000	A.57
A4C 4 DL BL	2674850000	A.101	AAM 35-185 YE FLASH	2635600000	A.28	AAP14 2.5 LHJ DL	2675570000	A.102	AEB 35 SC/1	1991920000	A.58
A4C 4 DL OR	2799180000	A.101	AAM 35-185 YE FLASH	2635600000	A.29	AAP21 10 FE	2428920000	B.48	AEB 35 SC/1	1991920000	A.59
A4C 4 GN	2051580000	A.118	AAM 35-185 YE FLASH	2635600000	A.30	AAP21 10 LD-LI	2428940000	B.48	AEB 35 SC/1	1991920000	A.66
A4C 4 LTGY	2051670000	A.118	AAM 35-185 YE FLASH	2635600000	A.31	AAP21 10 LO BL/OR	2581800000	B.49	AEB 35 SC/1	1991920000	A.67
A4C 4 OR	2051540000	A.118	AAM 35-185 YE FLASH	2635600000	A.55	AAP21 10 LO OR	2581690000	B.48	AEB 35 SC/1	1991920000	A.68
A4C 4 PE	2051560000	A.51	AAM 35-185 YE FLASH	2635600000	A.56	AAP21 10 LO RD	2428910000	B.48	AEB 35 SC/1	1991920000	A.69
A4C 4 PE	2051560000	A.105	AAM 35-185 YE FLASH	2635600000	B.8	AAP21 4 DT	2428980000	B.50	AEB 35 SC/1	1991920000	A.70
A4C 4 PE DL	2674860000	A.102	AAM 35-185 YE FLASH	2635600000	B.9	AAP21 4 DT BL/OR	2582520000	B.50	AEB 35 SC/1	1991920000	A.71
A4C 4 RD	2051530000	A.118	AAM 35-185 YE FLASH	2635600000	B.10	AAP21 4 DT OR	2581710000	B.50	AEB 35 SC/1	1991920000	A.72
A4C 4 WT	2051610000	A.118	AAM 35-185 YE FLASH	2635600000	B.11	AAP21 4 FS	2428950000	B.50	AEB 35 SC/1	1991920000	A.73
A4C 4 YL	2051550000	A.118	AAM 35-185 YE FLASH	2635600000	B.12	AAP21 4 FS 10-25V	2458990000	B.50	AEB 35 SC/1	1991920000	A.74
A4C 6	2881450000	A.23	AAM 35-185 YE FLASH	2635600000	B.16	AAP21 4 FS 100-250V	2460180000	B.50	AEB 35 SC/1	1991920000	A.75
A4C 6 BL	2881460000	A.23	AAM 35-185 YE FLASH	2635600000	B.17	AAP21 4 FS 100-250V OR	2581790000	B.50	AEB 35 SC/1	1991920000	A.76
A4C 6 DL	2881500000	A.101	AAM 35-185 YE FLASH	2635600000	B.18	AAP21 4 FS 30-70V	2460200000	B.50	AEB 35 SC/1	1991920000	A.77
A4C 6 DL BL	2881510000	A.101	AAM 35-185 YE FLASH	2635600000	B.19	AAP21 4 FS 60-150V	2460190000	B.50	AEB 35 SC/1	1991920000	A.78
A4C 6 DL OR	2881520000	A.101	AAM 35-185 YE FLASH	2635600000	B.20	AAP21 4 FS OR	2581720000	B.50	AEB 35 SC/1	1991920000	A.79
A4C 6 FE	2881480000	B.102	AAM 35-185 YE FLASH	2635600000	B.21	AAP21 4 LI BL	2428960000	B.49	AEB 35 SC/1	1991920000	A.80
A4C 6 FE DL	2881530000	A.101	AAM 35-185 YE FLASH	2635600000	B.22	AAP21 4 LI BL/OR	2582530000	B.49	AEB 35 SC/1	1991920000	A.81
A4C 6 PE	2881490000	A.53	AAM 35-185 YE FLASH	2635600000	B.23	AAP21 4 LI OR	2581700000	B.49	AEB 35 SC/1	1991920000	A.82
A4C 6 PE DL	2881540000	A.102	AAM 35-185 YE FLASH	2635600000	B.24	AAP21 4 LI RD	2428930000	B.49	AEB 35 SC/1	1991920000	A.83
AAC 35 2X6	2583090000	A.28	AAM 35-185 YE FLASH	2635600000	B.103	AAP22 10 FE-LI	2429000000	B.52	AEB 35 SC/1	1991920000	A.92
AAC 35 2X6	2583090000	B.8	AAM 35-185 YE FLASH	2635600000	B.104	AAP22 10 LD-LI	2428990000	B.52	AEB 35 SC/1	1991920000	A.93
AAC 35 2X6	2583090000	B.9	AAM 35-185 YE FLASH	2635600000	B.105	AAP22 4 LHFS	2429010000	B.53	AEB 35 SC/1	1991920000	A.94
AAC 35 2X6	2583090000	B.10	AAM 4 YE FLASH	2635560000	A.116	AAP22 4 LHFS 10-36V	2459010000	B.53	AEB 35 SC/1	1991920000	A.95
AAC 35 2X6	2583090000	B.11	AAM 6 YE FLASH	2635570000	A.116	AAP22 4 LHFS 100-250V	2460120000	B.53	AEB 35 SC/1	1991920000	A.103
AAC 35 2X6	2583090000	B.12	AAP11 1.5 LI BL	1988170000	B.37	AAP22 4 LHFS 30-70V	2460140000	B.53	AEB 35 SC/1	1991920000	B.8
AAC 35 2X6 BK-YL	2583190000	A.28	AAP11 1.5 LI BL/OR	2522870000	B.37	AAP22 4 LHFS 60-150V	2460130000	B.53	AEB 35 SC/1	1991920000	B.9
AAC 35 2X6 BK-YL	2583190000	B.8	AAP11 1.5 LI DL BL	2675360000	A.102	ADP 1/HP1 1M	0485200000	C.21	AEB 35 SC/1	1991920000	B.10
AAC 35 2X6 BK-YL	2583190000	B.9	AAP11 1.5 LI DL BL/OR	2675370000	A.102	ADP 2/HP2 1M	0485300000	C.21	AEB 35 SC/1	1991920000	B.11
AAC 35 2X6 BK-YL	25831										

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AEB 35 SC/1	1991920000	B.48	AEB 35 SCL/1 VO	2661280000	B.20	AEP 2C 10/16	2490380000	A.25	AEP 3T 2.5	2428560000	A.43
AEB 35 SC/1	1991920000	B.49	AEB 35 SCL/1 VO	2661280000	B.28	AEP 2C 10/16	2490380000	A.26	AEP 3T 2.5	2428560000	A.59
AEB 35 SC/1	1991920000	B.50	AEB 35 SCL/1 VO	2661280000	B.30	AEP 2C 10/16	2490380000	A.53	AEP 3T 2.5 BL	2428860000	A.34
AEB 35 SC/1	1991920000	B.52	AEB 35 SCL/1 VO	2661280000	B.36	AEP 2C 10/16	2490380000	A.54	AEP 3T 2.5 BL	2428860000	A.42
AEB 35 SC/1	1991920000	B.53	AEB 35 SCL/1 VO	2661280000	B.37	AEP 2C 10/16	2490380000	B.99	AEP 3T 2.5 BL	2428860000	A.43
AEB 35 SC/1	1991920000	B.86	AEB 35 SCL/1 VO	2661280000	B.38	AEP 2C 10/16 BL	2490390000	A.25	AEP 4C 1.5	1552640000	A.17
AEB 35 SC/1	1991920000	B.87	AEB 35 SCL/1 VO	2661280000	B.39	AEP 2C 10/16 BL	2490390000	A.26	AEP 4C 1.5	1552640000	A.47
AEB 35 SC/1	1991920000	B.98	AEB 35 SCL/1 VO	2661280000	B.40	AEP 2C 2.5	1514400000	A.17	AEP 4C 1.5 BL	1552650000	A.17
AEB 35 SC/1	1991920000	B.99	AEB 35 SCL/1 VO	2661280000	B.41	AEP 2C 2.5	1514400000	A.47	AEP 4C 2.5	1521530000	A.19
AEB 35 SC/1	1991920000	B.100	AEB 35 SCL/1 VO	2661280000	B.42	AEP 2C 2.5	1514400000	A.76	AEP 4C 2.5	1521530000	A.49
AEB 35 SC/1	1991920000	B.101	AEB 35 SCL/1 VO	2661280000	B.43	AEP 2C 2.5	1514400000	A.103	AEP 4C 2.5	1521530000	A.66
AEB 35 SC/1	1991920000	B.102	AEB 35 SCL/1 VO	2661280000	B.44	AEP 2C 2.5	1514400000	B.98	AEP 4C 2.5	1521530000	A.67
AEB 35 SC/1	1991920000	B.103	AEB 35 SCL/1 VO	2661280000	B.45	AEP 2C 2.5 BL	1514420000	A.17	AEP 4C 2.5 BK	2468660000	A.60
AEB 35 SC/1	1991920000	B.104	AEB 35 SCL/1 VO	2661280000	B.46	AEP 2C 2.5 BL	1514420000	A.76	AEP 4C 2.5 BL	1521640000	A.19
AEB 35 SC/1	1991920000	B.105	AEB 35 SCL/1 VO	2661280000	B.47	AEP 2C 2.5 BL	1514420000	A.103	AEP 4C 2.5 BL	1521640000	A.66
AEB 35 SC/1	1991920000	B.131	AEB 35 SCL/1 VO	2661280000	B.48	AEP 2C 4	2051680000	A.19	AEP 4C 2.5 BL	1521640000	A.67
AEB 35 SC/1	1991920000	C.19	AEB 35 SCL/1 VO	2661280000	B.49	AEP 2C 4	2051680000	A.49	AEP 4C 4	2051900000	A.21
AEB 35 SC/1 BK	2475310000	C.19	AEB 35 SCL/1 VO	2661280000	B.50	AEP 2C 4	2051680000	A.80	AEP 4C 4	2051900000	A.51
AEB 35 SCL/1 VO	2661280000	A.6	AEB 35 SCL/1 VO	2661280000	B.52	AEP 2C 4	2051680000	B.99	AEP 4C 4	2051900000	A.69
AEB 35 SCL/1 VO	2661280000	A.7	AEB 35 SCL/1 VO	2661280000	B.53	AEP 2C 4 BL	2051690000	A.19	AEP 4C 4 BL	2051910000	A.21
AEB 35 SCL/1 VO	2661280000	A.8	AEB 35 SCL/1 VO	2661280000	B.66	AEP 2C 4 BL	2051690000	A.80	AEP 4C 4 BL	2051910000	A.69
AEB 35 SCL/1 VO	2661280000	A.9	AEB 35 SCL/1 VO	2661280000	B.68	AEP 2C 6	1991970000	A.22	AEP 4C 6	2876180000	A.23
AEB 35 SCL/1 VO	2661280000	A.10	AEB 35 SCL/1 VO	2661280000	B.72	AEP 2C 6	1991970000	A.52	AEP 4C 6	2876180000	A.53
AEB 35 SCL/1 VO	2661280000	A.11	AEB 35 SCL/1 VO	2661280000	B.86	AEP 2C 6	1991970000	B.99	AEP 4C 6	2876180000	B.102
AEB 35 SCL/1 VO	2661280000	A.12	AEB 35 SCL/1 VO	2661280000	B.87	AEP 2C 6 BL	1991950000	A.22	AEP 4C 6 BL	2876190000	A.23
AEB 35 SCL/1 VO	2661280000	A.16	AEB 35 SCL/1 VO	2661280000	B.98	AEP 2T 1.5	2469420000	A.32	AEP 4C 6 BL	2876190000	B.102
AEB 35 SCL/1 VO	2661280000	A.17	AEB 35 SCL/1 VO	2661280000	B.99	AEP 2T 1.5	2469420000	A.33	AEP AP11	1988320000	B.36
AEB 35 SCL/1 VO	2661280000	A.18	AEB 35 SCL/1 VO	2661280000	B.100	AEP 2T 1.5	2469420000	A.56	AEP AP11	1988320000	B.37
AEB 35 SCL/1 VO	2661280000	A.19	AEB 35 SCL/1 VO	2661280000	B.101	AEP 2T 1.5	2469420000	A.74	AEP AP12	1988300000	B.42
AEB 35 SCL/1 VO	2661280000	A.20	AEB 35 SCL/1 VO	2661280000	B.102	AEP 2T 1.5	2469420000	A.75	AEP AP12	1988300000	B.43
AEB 35 SCL/1 VO	2661280000	A.21	AEB 35 SCL/1 VO	2661280000	B.103	AEP 2T 1.5	2469420000	B.131	AEP AP13	1990140000	B.38
AEB 35 SCL/1 VO	2661280000	A.22	AEB 35 SCL/1 VO	2661280000	B.104	AEP 2T 1.5 BL	2471470000	A.32	AEP AP13	1990140000	B.39
AEB 35 SCL/1 VO	2661280000	A.23	AEB 35 SCL/1 VO	2661280000	B.105	AEP 2T 1.5 BL	2471470000	A.33	AEP AP14	1988340000	B.44
AEB 35 SCL/1 VO	2661280000	A.24	AEB 35 SCL/1 VO	2661280000	B.112	AEP 2T 1.5 BL	2471470000	A.74	AEP AP14	1988340000	B.45
AEB 35 SCL/1 VO	2661280000	A.25	AEB 35 SCL/1 VO	2661280000	B.113	AEP 2T 1.5 BL	2471470000	A.75	AEP AP21	2429020000	B.48
AEB 35 SCL/1 VO	2661280000	A.26	AEB 35 SCL/1 VO	2661280000	B.114	AEP 2T 1.5 BL	2471470000	B.131	AEP AP21	2429020000	B.49
AEB 35 SCL/1 VO	2661280000	A.27	AEB 35 SCL/1 VO	2661280000	B.115	AEP 2T 2.5	1547690000	A.34	AEP AP21	2429020000	B.50
AEB 35 SCL/1 VO	2661280000	A.28	AEB 35 SCL/1 VO	2661280000	B.116	AEP 2T 2.5	1547690000	A.35	AEP AP22	2429040000	B.52
AEB 35 SCL/1 VO	2661280000	A.29	AEB 35 SCL/1 VO	2661280000	B.117	AEP 2T 2.5	1547690000	A.36	AEP AP22	2429040000	B.53
AEB 35 SCL/1 VO	2661280000	A.30	AEB 35 SCL/1 VO	2661280000	B.118	AEP 2T 2.5	1547690000	A.37	AEP DT 2.5 2T	2744150000	A.70
AEB 35 SCL/1 VO	2661280000	A.32	AEB 35 SCL/1 VO	2661280000	B.119	AEP 2T 2.5	1547690000	A.57	AEP DT 2.5 2T BL	2744160000	A.70
AEB 35 SCL/1 VO	2661280000	A.33	AEB 35 SCL/1 VO	2661280000	B.120	AEP 2T 2.5	1547690000	A.78	AEP DT 2.5 3C	1989970000	A.67
AEB 35 SCL/1 VO	2661280000	A.34	AEB 35 SCL/1 VO	2661280000	B.121	AEP 2T 2.5	1547690000	A.79	AEP DT 2.5 3C	1989970000	A.68
AEB 35 SCL/1 VO	2661280000	A.35	AEB 35 SCL/1 VO	2661280000	B.122	AEP 2T 2.5	1547690000	A.92	AEP DT 2.5 4C	1989980000	A.68
AEB 35 SCL/1 VO	2661280000	A.36	AEB 35 SCL/1 VO	2661280000	B.123	AEP 2T 2.5	1547690000	A.93	AEP DT 2.5 4C	1989980000	A.69
AEB 35 SCL/1 VO	2661280000	A.37	AEB 35 SCL/1 VO	2661280000	B.124	AEP 2T 2.5	1547690000	A.94	AEP I021	1993580000	B.86
AEB 35 SCL/1 VO	2661280000	A.38	AEB 35 SCL/1 VO	2661280000	B.125	AEP 2T 2.5	1547690000	A.95	AEP I021	1993580000	B.87
AEB 35 SCL/1 VO	2661280000	A.39	AEB 35 SCL/1 VO	2661280000	B.126	AEP 2T 2.5 3C	2532690000	A.36	AEP I022	1993590000	B.87
AEB 35 SCL/1 VO	2661280000	A.40	AEB 35 SCL/1 VO	2661280000	B.127	AEP 2T 2.5 3C	2532690000	A.58	AEP I023	1993600000	B.87
AEB 35 SCL/1 VO	2661280000	A.41	AEB 35 SCL/1 VO	2661280000	B.131	AEP 2T 2.5 3C BL	2532700000	A.36	AEP ITB 16 BB 2C	2668840000	B.113
AEB 35 SCL/1 VO	2661280000	A.42	AEB 35 SCL/1 VO	2661280000	C.19	AEP 2T 2.5 BL	1547700000	A.34	AEP ITB 16 BB 2C	2668840000	B.115
AEB 35 SCL/1 VO	2661280000	A.43	AEB 35 SCL/1 VO BK	2661300000	A.117	AEP 2T 2.5 BL	1547700000	A.35	AEP ITB 16 BB 2C BL	2668850000	B.113
AEB 35 SCL/1 VO	2661280000	A.44	AEB 35 SCL/1 VO BK	2661300000	C.19	AEP 2T 2.5 BL	1547700000	A.36	AEP ITB 16 BB NDT BL	2668860000	B.117
AEB 35 SCL/1 VO	2661280000	A.46	AEB 35 SCL/1 VO BK DL	2570250000	A.102	AEP 2T 2.5 BL	1547700000	A.37	AEP ITB 2.5	2669060000	B.124
AEB 35 SCL/1 VO	2661280000	A.47	AEB 35 SCL/1 VO BK DL	2570250000	A.117	AEP 2T 2.5 BL	1547700000	A.78	AEP ITB 2.5	2669060000	B.125
AEB 35 SCL/1 VO	2661280000	A.48	AEB 35 SCL/1 VO DL	2570240000	A.102	AEP 2T 2.5 BL	1547700000	A.79	AEP ITB 2.5	2669060000	B.126
AEB 35 SCL/1 VO	2661280000	A.49	AEB 35 SCL/1 VO DL	2570240000	A.117	AEP 2T 4	2540000000	A.38	AEP ITB 2.5	2669060000	B.127
AEB 35 SCL/1 VO	2661280000	A.50	AEB 35 SCL/1 VO GY	2661290000	A.117	AEP 2T 4	2540000000	A.39	AEP ITB 2.5 BB	2668960000	B.118
AEB 35 SCL/1 VO	2661280000	A.51	AEB 35 SCL/1 VO GY	2661290000	C.19	AEP 2T 4	2540000000	A.58	AEP ITB 2.5 BB	2668960000	B.119
AEB 35 SCL/1 VO	2661280000	A.52	AEB 35 SCL/1 VO GY DL	2570260000	A.102	AEP 2T 4	2540000000	A.82	AEP ITB 2.5 BB	2668960000	B.120
AEB 35 SCL/1 VO	2661280000	A.53	AEB 35 SCL/1 VO GY DL	2570260000	A.117	AEP 2T 4	2540000000	A.83	AEP ITB 2.5 BB	2668960000	B.121
AEB 35 SCL/1 VO	2661280000	A.54	AEB 35 SCL/1 VO TGY DL	2817770000	A.102	AEP 2T 4 BL	2540010000	A.38	AEP ITB 2.5 BB 2C	2668780000	B.112
AEB 35 SCL/1 VO	2661280000	A.55	AEB ITB 16 BB BL	2669130000	B.112	AEP 2T 4 BL	2540010000	A.39	AEP ITB 2.5 BB 2C	2668780000	B.114
AEB 35 SCL/1 VO	2661280000	A.56	AEB ITB 16 BB BL	2669130000	B.113	AEP 2T 4 BL	2540010000	A.82	AEP ITB 2.5 BB 2C BL	2668790000	B.112
AEB 35 SCL/1 VO	2661280000	A.57	AEB ITB 16 BB BL	2669130000	B.114	AEP 2T 4 BL	2540010000	A.83	AEP ITB 2.5 BB NDT BL	2668800000	B.116
AEB 35 SCL/1 VO	2661280000	A.58	AEB ITB 16 BB BL	2669130000	B.115	AEP 2T 4 FS	2817060000	A.63	AEP ITB 2.5 BB	2669110000	B.122
AEB 35 SCL/1 VO	2661280000	A.59	AEB ITB 16 BB BL	2669130000	B.116	AEP 2T 4 FS	2817060000	A.64	AEP ITB 4 BB	2669110000	B.123
AEB 35 SCL/1 VO	2661280000	A.66	AEB ITB 16 BB BL	2669130000	B.117	AEP 2T 4 FS	2817060000	A.71	AEP ITB 6 BB 2C	2668810000	B.112
AEB 35 SCL/1 VO	2661280000	A.67	AEB ITB 16 BB BL	2669130000	B.118	AEP 3C 1.5	1552620000	A.16	AEP ITB 6 BB 2C	2668810000	B.114
AEB 35 SCL/1 VO	2661280000	A.68	AEB ITB 16 BB BL	2669130000	B.119	AEP 3C 1.5	1552620000	A.46	AEP ITB 6 BB 2C BL	2668820000	B.112
AEB 35 SCL/1 VO	2661280000	A.69	AEB ITB 16 BB BL	2669130000	B.120	AEP 3C 1.5	1552620000	A.73	AEP ITB 6 BB NDT BL	2668830000	B.116
AEB 35 SCL/1 VO	2661280000	A.70	AEB ITB 16 BB BL	2669130000	B.121	AEP 3C 1.5 BL	1552630000	A.16	AEP MC 2.5	2433820000	A.44
AEB 35 SCL/1 VO	2661280000	A.71	AEB ITB 16 BB BL	2669130000	B.122	AEP 3C 1.5 BL	1552630000	A.73	AEP MC 2.5	2433820000	B.30
AEB 35 SCL/1 VO	2661280000	A.72	AEB ITB 16 BB BL	2669130000	B.123	AEP 3C 10/16	2490530000	A.25	AEP PGTB 1.5 4C/2	2482510000	A.73
AEB 35 SCL/1 VO	2661280000	A.73	AEB ITB 16 BB BL	2669130000	B.124	AEP 3C 10/16	2490530000	A.26	AEP PGTB 1.5 4C/2	2482510000	A.74
AEB 35 SCL/1 VO	2661280000	A.74	AEB ITB 16 BB BL	2669130000	B.125	AEP 3C 10/16	2490530000	A.53	AEP PGTB 1.5 4C/2 BL	2482520000	A.73
AEB 35 SCL/1 VO	2661280000	A.75	AEB ITB 16 BB BL	2669130000	B.126	AEP 3C 10/16	2490530000	A.54	AEP PGTB 2.5 4C/2	1514450000	A.77
AEB 35 SCL/1 VO	2661280000	A.76	AEB ITB 16 BB BL	2669130000	B.127	AEP 3C 10/16 BL	2490540000	A.25	AEP PGTB 2.5 4C/2	1514450000	A.78
AEB 35 SCL/1 VO	2661280000	A.77	AEB ITB 2.5/4 BB BL	2690440000	B.112	AEP 3C 10/16 BL	2490540000	A.26	AEP PGTB 2.5 4C/2 BL	1514470000	A.77
AEB 35 SCL/1 VO	2661280000	A.78	AEB ITB 2.5/4 BB BL	2690440000	B.113	AEP 3C 2.5	1521510000	A.18	AEP PGTB 4 4C/2	2540210000	A.81
AEB 35 SCL/1 VO	2661280000	A.79	AEB ITB 2.5/4 BB BL	2690440000	B.114	AEP 3C 2.5					

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AFS 4 2C BK	2429860000	A.61	AL3C 2.5 LTGY	2847430000	A.119	APG 1.5 L	2482250000	A.74	APG 4 L BL	2540560000	A.88
AFS 4 2C BK	2429860000	A.105	AL3C 2.5 OR	2847370000	A.119	APG 1.5 L	2482250000	A.75	APG 4 L GN	2540570000	A.88
AFS 4 2C BK/BL	2548140000	A.62	AL3C 2.5 PE	2847600000	A.48	APG 1.5 L	2482250000	A.88	APG 4 MI	2540580000	A.80
AFS 4 2C DL BK	2675250000	A.102	AL3C 2.5 RD	2847380000	A.119	APG 1.5 L BL	2482280000	A.88	APG 4 MI	2540580000	A.81
AI021 1.5 SI	1992260000	A.105	AL3C 2.5 VT	2847390000	A.119	APG 1.5 L GN	2482270000	A.88	APG 4 MI	2540580000	A.82
AI021 1.5 SI	1992260000	B.86	AL3C 2.5 WT	2847410000	A.119	APG 1.5 MI	2482280000	A.72	APG 4 MI	2540580000	A.83
AI021 1.5 SI DL	2675580000	A.102	AL3C 2.5 YL	2847420000	A.119	APG 1.5 MI	2482280000	A.73	APG 4 MI	2540580000	A.88
AI021 1.5 SI DL OR	2675630000	A.102	AL3C 4	2847720000	A.21	APG 1.5 MI	2482280000	A.74	APG 4 MI BL	2540590000	A.88
AI021 1.5 SI OR	2579610000	B.86	AL3C 4	2847720000	A.119	APG 1.5 MI	2482280000	A.75	APG 4 MI GN	2540600000	A.88
AI021 1.5 SO	1992240000	A.105	AL3C 4 BK	2872050000	A.119	APG 1.5 MI	2482280000	A.88	APG 4 R	2540610000	A.80
AI021 1.5 SO	1992240000	B.86	AL3C 4 BL	2871990000	A.21	APG 1.5 MI BL	2482290000	A.88	APG 4 R	2540610000	A.81
AI021 1.5 SO DL	2675590000	A.102	AL3C 4 BL	2871990000	A.119	APG 1.5 MI GN	2482300000	A.88	APG 4 R	2540610000	A.82
AI021 1.5 SO DL OR	2675640000	A.102	AL3C 4 BR	2872090000	A.119	APG 1.5 R	2482310000	A.72	APG 4 R	2540610000	A.83
AI021 1.5 SO OR	2579570000	B.86	AL3C 4 DBL	2872000000	A.119	APG 1.5 R	2482310000	A.73	APG 4 R	2540610000	A.88
AI021 1.5 SO-PE	1992250000	A.105	AL3C 4 FE	2872100000	B.101	APG 1.5 R	2482310000	A.74	APG 4 R BL	2540620000	A.88
AI021 1.5 SO-PE	1992250000	B.87	AL3C 4 GN	2872030000	A.119	APG 1.5 R	2482310000	A.75	APG 4 R GN	2540630000	A.88
AI021 1.5 SO-PE DL	2675600000	A.102	AL3C 4 LTGY	2872080000	A.119	APG 1.5 R	2482310000	A.88	APG 4/1	2540460000	A.80
AI021 1.5 SO-PE DL OR	2675650000	A.102	AL3C 4 OR	2872020000	A.119	APG 1.5 R BL	2482320000	A.88	APG 4/1	2540460000	A.81
AI021 1.5 SO-PE OR	2579580000	B.87	AL3C 4 PE	2847750000	A.51	APG 1.5 R GN	2482330000	A.88	APG 4/1	2540460000	A.82
AI022 1.5 SIPE	1992230000	A.105	AL3C 4 RD	2872010000	A.119	APG 1.5/1	2482340000	A.72	APG 4/1	2540460000	A.83
AI022 1.5 SIPE	1992230000	B.87	AL3C 4 VT	2872040000	A.119	APG 1.5/1	2482340000	A.73	APG 4/1	2540460000	A.85
AI022 1.5 SIPE DL	2675610000	A.102	AL3C 4 WT	2872060000	A.119	APG 1.5/1	2482340000	A.74	APG 4/10	2540550000	A.80
AI022 1.5 SIPE DL OR	2675660000	A.102	AL3C 4 YL	2872070000	A.119	APG 1.5/1	2482340000	A.75	APG 4/10	2540550000	A.81
AI022 1.5 SIPE OR	2579640000	B.87	AL4C 2.5	2847460000	A.19	APG 1.5/1	2482340000	A.84	APG 4/10	2540550000	A.82
AI023 1.5 2SI	1992220000	B.87	AL4C 2.5	2847460000	A.119	APG 1.5/10	2482430000	A.72	APG 4/10	2540550000	A.83
AI023 1.5 2SI DL	2675620000	A.102	AL4C 2.5 BK	2847530000	A.119	APG 1.5/10	2482430000	A.73	APG 4/10	2540550000	A.85
AI023 1.5 2SI DL OR	2675670000	A.102	AL4C 2.5 BL	2847470000	A.19	APG 1.5/10	2482430000	A.74	APG 4/2	2540470000	A.85
AI023 1.5 2SI OR	2579620000	B.87	AL4C 2.5 BL	2847470000	A.119	APG 1.5/10	2482430000	A.75	APG 4/3	2540480000	A.85
AITB 16 BB 2C	2668740000	B.113	AL4C 2.5 BR	2847570000	A.119	APG 1.5/10	2482430000	A.84	APG 4/3-BG-BLGN	2540450000	A.85
AITB 16 BB 2C BL	2668750000	B.113	AL4C 2.5 DBL	2847480000	A.119	APG 1.5/10-9BG-GN	2719830000	A.86	APG 4/4	2540490000	A.85
AITB 16 BB 2C PE	2668760000	B.115	AL4C 2.5 FE	2847580000	B.101	APG 1.5/2	2482350000	A.84	APG 4/4-3BG-GN	2540440000	A.85
AITB 16 BB NDT BL	2668770000	B.117	AL4C 2.5 GN	2847510000	A.119	APG 1.5/3	2482360000	A.84	APG 4/5	2540500000	A.85
AITB 16 BB 2C	2668660000	B.112	AL4C 2.5 LTGY	2847560000	A.119	APG 1.5/3-2BG-GN	2719740000	A.86	APG 4/5-3BG-BLGN	2540430000	A.85
AITB 2.5 BB 2C BL	2668670000	B.112	AL4C 2.5 OR	2847500000	A.119	APG 1.5/3-BG-BLGN	2482460000	A.84	APG 4/6	2540510000	A.85
AITB 2.5 BB 2C PE	2668680000	B.114	AL4C 2.5 PE	2847610000	A.49	APG 1.5/4	2482370000	A.84	APG 4/7	2540520000	A.85
AITB 2.5 BB L	2668920000	B.118	AL4C 2.5 RD	2847490000	A.119	APG 1.5/4-3BG-GN	2482450000	A.86	APG 4/8	2540530000	A.85
AITB 2.5 BB LL	2668900000	B.121	AL4C 2.5 VT	2847520000	A.119	APG 1.5/5	2482380000	A.84	APG 4/9	2540540000	A.85
AITB 2.5 BB LL-PE	2668930000	B.120	AL4C 2.5 WT	2847540000	A.119	APG 1.5/5-3BG-BLGN	2482440000	A.84	APG 6/1	2762320000	B.72
AITB 2.5 BB NL	2668910000	B.119	AL4C 2.5 YL	2847550000	A.119	APG 1.5/5-4BG-GN	2719770000	A.86	APG 6/1	2762320000	B.73
AITB 2.5 BB NL-PE	2668940000	B.118	AL4C 4	2847730000	A.21	APG 1.5/6	2482390000	A.84	APG 6/1	2762320000	B.76
AITB 2.5 BB NDT BL	2668690000	B.116	AL4C 4	2847730000	A.119	APG 1.5/6-5BG-GN	2719780000	A.86	APG 6/2	2882750000	B.73
AITB 2.5 BB NDT-LPE	2668950000	B.120	AL4C 4 BK	2872170000	A.119	APG 1.5/7	2482400000	A.84	APG 6/2 MBB	2762330000	B.72
AITB 2.5 LL	2669000000	B.127	AL4C 4 BL	2872110000	A.21	APG 1.5/7-6BG-GN	2719800000	A.86	APG 6/2 MBB	2762330000	B.76
AITB 2.5 LL-PE	2669010000	B.126	AL4C 4 BL	2872110000	A.119	APG 1.5/8	2482410000	A.84	APG 6/2 MBB	2762330000	B.73
AITB 2.5 LDT-L	2668980000	B.124	AL4C 4 BR	2872210000	A.119	APG 1.5/8-7BG-GN	2719810000	A.86	APG 6/3	2882690000	B.73
AITB 2.5 LDT-L W/O DTLV	2668990000	B.125	AL4C 4 DBL	2872120000	A.119	APG 1.5/9	2482420000	A.84	APG 6/3 MBB	2762340000	B.72
AITB 2.5 LDT-LPE	2669040000	B.124	AL4C 4 FE	2872220000	B.102	APG 2.5 L	1513830000	A.76	APG 6/3 MBB	2762340000	B.73
AITB 2.5 LDT-LPE W/O DTLV	2669050000	B.125	AL4C 4 GN	2872150000	A.119	APG 2.5 L	1513830000	A.77	APG 6/3 MBB	2762340000	B.76
AITB 2.5 NL-PE	2669020000	B.126	AL4C 4 LTGY	2872200000	A.119	APG 2.5 L	1513830000	A.78	APG 6/4	2829060000	B.73
AITB 2.5 NDT-LPE	2669030000	B.125	AL4C 4 OR	2872140000	A.119	APG 2.5 L	1513830000	A.79	APGCE	1514490000	A.84
AITB 4 BB L-L	2669070000	B.122	AL4C 4 PE	2847770000	A.51	APG 2.5 L	1513830000	A.88	APGCE	1514490000	A.85
AITB 4 BB LL-PE	2669080000	B.122	AL4C 4 RD	2872130000	A.119	APG 2.5 L BL	1513840000	A.88	APGCE	1514490000	A.86
AITB 4 BB NL-PE	2669090000	B.123	AL4C 4 VT	2872160000	A.119	APG 2.5 L GN	1513850000	A.88	APGCE	1514490000	A.89
AITB 4 BB NDT-LPE	2669100000	B.123	AL4C 4 WT	2872180000	A.119	APG 2.5 MI	1513880000	A.76	APGCE	1514490000	B.72
AITB 6 BB 2C	2668700000	B.112	AL4C 4 YL	2872190000	A.119	APG 2.5 MI	1513880000	A.77	APGCE	1514490000.77	B.77
AITB 6 BB 2C BL	2668710000	B.112	ALEP 2C 2.5	2871750000	A.17	APG 2.5 MI	1513880000	A.78	APGLE 1.5	2482720000	A.84
AITB 6 BB 2C PE	2668720000	B.114	ALEP 2C 2.5	2871750000	A.47	APG 2.5 MI	1513880000	A.79	APGLE 1.5	2482720000	A.86
AITB 6 BB NDT BL	2668730000	B.116	ALEP 2C 2.5	2871750000	B.100	APG 2.5 MI	1513880000	A.88	APGLE 1.5	2482720000	A.89
AL2C 2.5	2847200000	A.17	ALEP 2C 2.5 BL	2871760000	A.17	APG 2.5 MI BL	1513900000	A.88	APGLE 2.5/4	2457570000	A.84
AL2C 2.5	2847200000	A.119	ALEP 2C 2.5 BL	2871760000	B.100	APG 2.5 MI GN	1513930000	A.88	APGLE 2.5/4	2457570000	A.85
AL2C 2.5 BK	2847270000	A.119	ALEP 2C 4	2871810000	A.20	APG 2.5 R	1513940000	A.76	APGLE 2.5/4	2457570000	A.86
AL2C 2.5 BL	2847210000	A.17	ALEP 2C 4	2871810000	A.50	APG 2.5 R	1513940000	A.77	APGLE 2.5/4	2457570000	A.89
AL2C 2.5 BL	2847210000	A.119	ALEP 2C 4	2871810000	B.101	APG 2.5 R	1513940000	A.78	APGLE 6	2762400000	B.72
AL2C 2.5 BR	2847310000	A.119	ALEP 2C 4 BL	2871820000	A.20	APG 2.5 R	1513940000	A.79	APGLE 6	2762400000	B.77
AL2C 2.5 DBL	2847220000	A.119	ALEP 2C 4 BL	2871820000	B.101	APG 2.5 R	1513940000	A.88	APGPC 1.5	2482530000	A.84
AL2C 2.5 FE	2847320000	B.100	ALEP 3C 2.5	2871720000	A.18	APG 2.5 R BL	1513950000	A.88	APGPC 1.5	2482530000	A.86
AL2C 2.5 GN	2847250000	A.119	ALEP 3C 2.5	2871770000	A.48	APG 2.5 R GN	1513980000	A.88	APGPC 1.5	2482530000	A.89
AL2C 2.5 LTGY	2847300000	A.119	ALEP 3C 2.5	2871770000	B.100	APG 2.5/1	1513720000	A.76	APGPC 2.5	1514500000	A.84
AL2C 2.5 OR	2847240000	A.119	ALEP 3C 2.5 BL	2871780000	A.18	APG 2.5/1	1513720000	A.77	APGPC 2.5	1514500000	A.86
AL2C 2.5 PE	2847590000	A.47	ALEP 3C 2.5 BL	2871780000	B.100	APG 2.5/1	1513720000	A.78	APGPC 2.5	1514500000	A.89
AL2C 2.5 RD	2847230000	A.119	ALEP 3C 4	2871830000	A.21	APG 2.5/1	1513720000	A.79	APGSR 4	2540960000	A.85
AL2C 2.5 VT	2847260000	A.119	ALEP 3C 4	2871830000	A.51	APG 2.5/1	1513720000	A.84	APGSR 4	2540960000	A.89
AL2C 2.5 WT	2847280000	A.119	ALEP 3C 4	2871830000	B.101	APG 2.5/10	1513770000	A.76	APGSR 4	2762410000	B.72
AL2C 2.5 YL	2847290000	A.119	ALEP 3C 4 BL	2871840000	A.21	APG 2.5/10	1513770000	A.77	APGSR 4	2762410000	B.76
AL2C 4	2847710000	A.20	ALEP 3C 4 BL	2871840000	A.51	APG 2.5/10	1513770000	A.78	APGSR 1.5	2482730000	A.84
AL2C 4	2847710000	A.119	ALEP 3C 4 BL	2871840000	B.101	APG 2.5/10	1513770000	A.79	APGSR 1.5	2482730000	A.86
AL2C 4 BK	2871930000	A.119	ALEP 4C 2.5	2871790000	A.19	APG 2.5/10	1513770000	A.84	APGSR 1.5	2482730000	A.88
AL2C 4 BL	2871870000	A.20	ALEP 4C 2.5	2871790000	A.49	APG 2.5/10-9BG-GN	2712810000	A.86	APGSR 1.5-4P	2482740000	A.84
AL2C 4 BL	2871870000	A.119	ALEP 4C 2.5	2871790000	B.101	APG 2.5/2	1513640000	A.84	APGSR 1.5-4P	2482740000	A.86
AL2C 4 BR	2871970000	A.119	ALEP 4C 2.5 BL	2871800000	A.19	APG 2.5/3	1513650000	A.84	APGSR 1.5-4P	2482740000	A.88
AL2C 4 DBL	2871880000	A.119	ALEP 4C 2.5 BL	2871800000	B.101	APG 2.5/3-2BG-GN	2712740000	A.86	APGSR 1.5-8P	2482750000	A.84
AL2C 4 FE	2871980000	B.101	ALEP 4C 4	2871850000	A.21	APG 2					

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
APGTB 1.5 2T 4C/2 BL	2485850000	A.74	APGTB 4 PE 4C/2	2540180000	A.82	ATPG 1.5-10 L	1991890000	B.9	ATPG 2.5/3	2041190000	A.10
APGTB 1.5 2T 4C/2 DL	2675770000	A.102	APGTB 4 PE 4C/2 DL	2676040000	A.102	ATPG 1.5-10 L	1991890000	B.10	ATPG 2.5/3	2041190000	A.11
APGTB 1.5 2T 4C/2 DL BL	2675780000	A.102	APP 1	2488970000	A.105	ATPG 1.5-10 L	1991890000	B.11	ATPG 2.5/3	2041190000	A.17
APGTB 1.5 2T FT-PE 4C/2	2485860000	A.75	APP 2	2489090000	A.105	ATPG 1.5-10 L	1991890000	B.12	ATPG 2.5/3	2041190000	A.18
APGTB 1.5 2T FT-PE 4C/2 DL	2675790000	A.102	APP 3	2489100000	A.105	ATPG 1.5-10 L	1991890000	B.16	ATPG 2.5/3	2041190000	A.19
APGTB 1.5 2T PE 4C/2	2485870000	A.75	APP 4	2489110000	A.105	ATPG 1.5-10 L	1991890000	B.17	ATPG 2.5/3	2041190000	A.34
APGTB 1.5 2T PE 4C/2	2485870000	A.105	APP ITB 16 BB 2C/NDT BL	2668890000	B.113	ATPG 1.5-10 L	1991890000	B.18	ATPG 2.5/3	2041190000	A.35
APGTB 1.5 2T PE 4C/2 DL	2675800000	A.102	APP ITB 16 BB 2C/NDT BL	2668890000	B.115	ATPG 1.5-10 L	1991890000	B.19	ATPG 2.5/3	2041190000	A.36
APGTB 1.5 2T VL 4C/2	2485920000	A.75	APP ITB 16 BB 2C/NDT BL	2668890000	B.117	ATPG 1.5-10 L	1991890000	B.20	ATPG 2.5/3	2041190000	A.37
APGTB 1.5 2T VL 4C/2 BL	2485930000	A.75	APP ITB 2.5 BB 2C/NDT BL	2668870000	B.112	ATPG 1.5-10 L	1991890000	B.21	ATPG 2.5/3	2041190000	A.42
APGTB 1.5 2T VL 4C/2 DL	2675810000	A.102	APP ITB 2.5 BB 2C/NDT BL	2668870000	B.114	ATPG 1.5-10 L	1991890000	B.24	ATPG 2.5/3	2041190000	A.43
APGTB 1.5 FT 2C/1	2482160000	A.72	APP ITB 2.5 BB 2C/NDT BL	2668870000	B.116	ATPG 1.5-10 L	1991890000	B.28	ATPG 2.5/3	2041190000	A.47
APGTB 1.5 FT 2C/1	2482160000	A.105	APP ITB 2.5 BB BL	2668970000	B.118	ATPG 1.5-10 L	1991890000	B.36	ATPG 2.5/3	2041190000	A.48
APGTB 1.5 FT 2C/1 BL	2482170000	A.72	APP ITB 2.5 BB BL	2668970000	B.119	ATPG 1.5-10 L	1991890000	B.37	ATPG 2.5/3	2041190000	A.49
APGTB 1.5 FT 2C/1 DL	2675680000	A.102	APP ITB 2.5 BB BL	2668970000	B.120	ATPG 1.5-10 L	1991890000	B.38	ATPG 2.5/3	2041190000	A.66
APGTB 1.5 FT 2C/1 DL BL	2675690000	A.102	APP ITB 2.5 BB BL	2668970000	B.121	ATPG 1.5-10 L	1991890000	B.39	ATPG 2.5/3	2041190000	A.67
APGTB 1.5 FT 3C/1	2482180000	A.73	APP ITB 2.5 BB BL VI	2881640000	B.118	ATPG 1.5-10 L	1991890000	B.42	ATPG 2.5/3	2041190000	A.68
APGTB 1.5 FT 3C/1	2482180000	A.105	APP ITB 2.5 BB BL VI	2881640000	B.119	ATPG 1.5-10 L	1991890000	B.43	ATPG 2.5/3	2041190000	A.69
APGTB 1.5 FT 3C/1 BL	2482190000	A.73	APP ITB 2.5 BB BL VI	2881640000	B.120	ATPG 1.5-10 L	1991890000	B.44	ATPG 2.5/3	2041190000	A.103
APGTB 1.5 FT 3C/1 DL	2675710000	A.102	APP ITB 2.5 BB BL VI	2881640000	B.121	ATPG 1.5-10 L	1991890000	B.48	ATPG 2.5/3	2041190000	A.115
APGTB 1.5 FT 3C/1 DL BL	2675720000	A.102	APP ITB 4 BB BL	2669120000	B.122	ATPG 1.5-10 L	1991890000	B.49	ATPG 2.5/3	2041190000	B.98
APGTB 1.5 FT 4C/2	2482200000	A.73	APP ITB 4 BB BL	2669120000	B.123	ATPG 1.5-10 L	1991890000	B.86	ATPG 2.5/3	2041190000	B.100
APGTB 1.5 FT 4C/2	2482200000	A.105	APP ITB 4 BB BL VI	2881650000	B.122	ATPG 1.5-10 L	1991890000	B.87	ATPG 2.5/3	2041190000	B.101
APGTB 1.5 FT 4C/2 BL	2482210000	A.73	APP ITB 4 BB BL VI	2881650000	B.123	ATPG 1.5-10 L	1991890000	B.98	ATPG 2.5/3	2041190000	B.112
APGTB 1.5 FT 4C/2 DL	2675740000	A.102	APP ITB 6 BB 2C/NDT BL	2668880000	B.112	ATPG 1.5-10 L	1991890000	B.99	ATPG 2.5/3	2041190000	B.116
APGTB 1.5 FT 4C/2 DL BL	2675750000	A.102	APP ITB 6 BB 2C/NDT BL	2668880000	B.114	ATPG 1.5-10 L	1991890000	B.100	ATPG 2.5/3	2041190000	B.118
APGTB 1.5 PE 2C/1	2482220000	A.72	APP ITB 6 BB 2C/NDT BL	2668880000	B.116	ATPG 1.5-10 L	1991890000	B.101	ATPG 2.5/3	2041190000	B.119
APGTB 1.5 PE 2C/1	2482220000	A.105	ASP 2T 2.5	2820650000	A.95	ATPG 1.5-10 L	1991890000	B.102	ATPG 2.5/3	2041190000	B.120
APGTB 1.5 PE 2C/1 DL	2675700000	A.102	ATPG 1.5 MHR	1991890000	A.16	ATPG 1.5-10 L	1991890000	B.103	ATPG 2.5/3	2041190000	B.121
APGTB 1.5 PE 3C/1	2482230000	A.73	ATPG 1.5 MHR	1991890000	A.17	ATPG 1.5-10 L	1991890000	B.104	ATPG 2.5/5	2041180000	A.6
APGTB 1.5 PE 3C/1	2482230000	A.105	ATPG 1.5 MHR	1991890000	A.32	ATPG 1.5-10 L	1991890000	B.105	ATPG 2.5/5	2041180000	A.7
APGTB 1.5 PE 3C/1 DL	2675730000	A.102	ATPG 1.5 MHR	1991890000	A.33	ATPG 1.5-10 L	1991890000	B.112	ATPG 2.5/5	2041180000	A.8
APGTB 1.5 PE 4C/2	2482240000	A.74	ATPG 1.5 MHR	1991890000	A.40	ATPG 1.5-10 L	1991890000	B.113	ATPG 2.5/5	2041180000	A.9
APGTB 1.5 PE 4C/2	2482240000	A.105	ATPG 1.5 MHR	1991890000	A.41	ATPG 1.5-10 L	1991890000	B.114	ATPG 2.5/5	2041180000	A.10
APGTB 1.5 PE 4C/2 DL	2675760000	A.102	ATPG 1.5 MHR	1991890000	A.46	ATPG 1.5-10 L	1991890000	B.115	ATPG 2.5/5	2041180000	A.11
APGTB 2.5 2T 4C/2	1548060000	A.78	ATPG 1.5 MHR	1991890000	A.47	ATPG 1.5-10 L	1991890000	B.116	ATPG 2.5/5	2041180000	A.17
APGTB 2.5 2T 4C/2	1548060000	A.105	ATPG 1.5 MHR	1991890000	A.56	ATPG 1.5-10 L	1991890000	B.117	ATPG 2.5/5	2041180000	A.18
APGTB 2.5 2T 4C/2 BL	1548070000	A.78	ATPG 1.5 MHR	1991890000	A.59	ATPG 1.5-10 L	1991890000	B.118	ATPG 2.5/5	2041180000	A.19
APGTB 2.5 2T 4C/2 DL	2675910000	A.102	ATPG 1.5 MHR	1991890000	A.115	ATPG 1.5-10 L	1991890000	B.119	ATPG 2.5/5	2041180000	A.34
APGTB 2.5 2T 4C/2 DL BL	2675920000	A.102	ATPG 1.5 MHR	1991890000	B.86	ATPG 1.5-10 L	1991890000	B.120	ATPG 2.5/5	2041180000	A.35
APGTB 2.5 2T FT-PE 4C/2	1548130000	A.79	ATPG 1.5 MHR	1991890000	B.87	ATPG 1.5-10 L	1991890000	B.121	ATPG 2.5/5	2041180000	A.36
APGTB 2.5 2T FT-PE 4C/2 DL	2675930000	A.102	ATPG 1.5 MHR	1991890000	B.131	ATPG 1.5-10 L	1991890000	B.122	ATPG 2.5/5	2041180000	A.37
APGTB 2.5 2T PE 4C/2	1548160000	A.79	ATPG 1.5-10 L	1991890000	A.6	ATPG 1.5-10 L	1991890000	B.123	ATPG 2.5/5	2041180000	A.42
APGTB 2.5 2T PE 4C/2	1548160000	A.105	ATPG 1.5-10 L	1991890000	A.7	ATPG 1.5-10 L	1991890000	B.124	ATPG 2.5/5	2041180000	A.43
APGTB 2.5 2T PE 4C/2 DL	2675940000	A.102	ATPG 1.5-10 L	1991890000	A.8	ATPG 1.5-10 L	1991890000	B.125	ATPG 2.5/5	2041180000	A.47
APGTB 2.5 2T VL 4C/2	1548140000	A.79	ATPG 1.5-10 L	1991890000	A.9	ATPG 1.5-10 L	1991890000	B.126	ATPG 2.5/5	2041180000	A.48
APGTB 2.5 2T VL 4C/2 BL	1548150000	A.79	ATPG 1.5-10 L	1991890000	A.10	ATPG 1.5-10 L	1991890000	B.127	ATPG 2.5/5	2041180000	A.49
APGTB 2.5 2T VL 4C/2 DL	2675950000	A.102	ATPG 1.5-10 L	1991890000	A.11	ATPG 1.5-10 L	1991890000	B.131	ATPG 2.5/5	2041180000	A.66
APGTB 2.5 FT 2C/1	1513970000	A.76	ATPG 1.5-10 L	1991890000	A.12	ATPG 10 MHR	1991870000	A.25	ATPG 2.5/5	2041180000	A.67
APGTB 2.5 FT 2C/1	1513970000	A.105	ATPG 1.5-10 L	1991890000	A.16	ATPG 10 MHR	1991870000	A.115	ATPG 2.5/5	2041180000	A.68
APGTB 2.5 FT 2C/1 BL	1513990000	A.76	ATPG 1.5-10 L	1991890000	A.17	ATPG 2.5 MHR	1991960000	A.6	ATPG 2.5/5	2041180000	A.69
APGTB 2.5 FT 2C/1 DL	2675820000	A.102	ATPG 1.5-10 L	1991890000	A.18	ATPG 2.5 MHR	1991960000	A.7	ATPG 2.5/5	2041180000	A.103
APGTB 2.5 FT 2C/1 DL BL	2675830000	A.102	ATPG 1.5-10 L	1991890000	A.19	ATPG 2.5 MHR	1991960000	A.8	ATPG 2.5/5	2041180000	A.115
APGTB 2.5 FT 3C/1	1514000000	A.77	ATPG 1.5-10 L	1991890000	A.20	ATPG 2.5 MHR	1991960000	A.9	ATPG 2.5/5	2041180000	B.98
APGTB 2.5 FT 3C/1	1514000000	A.105	ATPG 1.5-10 L	1991890000	A.21	ATPG 2.5 MHR	1991960000	A.10	ATPG 2.5/5	2041180000	B.100
APGTB 2.5 FT 3C/1 BL	1514020000	A.77	ATPG 1.5-10 L	1991890000	A.22	ATPG 2.5 MHR	1991960000	A.11	ATPG 2.5/5	2041180000	B.101
APGTB 2.5 FT 3C/1 DL	2675850000	A.102	ATPG 1.5-10 L	1991890000	A.23	ATPG 2.5 MHR	1991960000	A.12	ATPG 2.5/5	2041180000	B.112
APGTB 2.5 FT 3C/1 DL BL	2675860000	A.102	ATPG 1.5-10 L	1991890000	A.24	ATPG 2.5 MHR	1991960000	A.17	ATPG 2.5/5	2041180000	B.116
APGTB 2.5 FT 4C/2	1514030000	A.77	ATPG 1.5-10 L	1991890000	A.26	ATPG 2.5 MHR	1991960000	A.18	ATPG 2.5/5	2041180000	B.118
APGTB 2.5 FT 4C/2	1514030000	A.105	ATPG 1.5-10 L	1991890000	A.27	ATPG 2.5 MHR	1991960000	A.19	ATPG 2.5/5	2041180000	B.119
APGTB 2.5 FT 4C/2 BL	1514040000	A.77	ATPG 1.5-10 L	1991890000	A.28	ATPG 2.5 MHR	1991960000	A.34	ATPG 2.5/5	2041180000	B.120
APGTB 2.5 FT 4C/2 DL	2675880000	A.102	ATPG 1.5-10 L	1991890000	A.29	ATPG 2.5 MHR	1991960000	A.35	ATPG 2.5/5	2041180000	B.121
APGTB 2.5 FT 4C/2 DL BL	2675890000	A.102	ATPG 1.5-10 L	1991890000	A.30	ATPG 2.5 MHR	1991960000	A.36	ATPG 4 MHR	1991860000	A.7
APGTB 2.5 PE 2C/1	1513870000	A.76	ATPG 1.5-10 L	1991890000	A.31	ATPG 2.5 MHR	1991960000	A.37	ATPG 4 MHR	1991860000	A.8
APGTB 2.5 PE 2C/1	1513870000	A.105	ATPG 1.5-10 L	1991890000	A.32	ATPG 2.5 MHR	1991960000	A.42	ATPG 4 MHR	1991860000	A.11
APGTB 2.5 PE 2C/1 DL	2675840000	A.102	ATPG 1.5-10 L	1991890000	A.33	ATPG 2.5 MHR	1991960000	A.43	ATPG 4 MHR	1991860000	A.12
APGTB 2.5 PE 3C/1	1513890000	A.77	ATPG 1.5-10 L	1991890000	A.34	ATPG 2.5 MHR	1991960000	A.47	ATPG 4 MHR	1991860000	A.19
APGTB 2.5 PE 3C/1	1513890000	A.105	ATPG 1.5-10 L	1991890000	A.35	ATPG 2.5 MHR	1991960000	A.48	ATPG 4 MHR	1991860000	A.20
APGTB 2.5 PE 3C/1 DL	2675870000	A.102	ATPG 1.5-10 L	1991890000	A.36	ATPG 2.5 MHR	1991960000	A.49	ATPG 4 MHR	1991860000	A.21
APGTB 2.5 PE 4C/2	1513920000	A.78	ATPG 1.5-10 L	1991890000	A.37	ATPG 2.5 MHR	1991960000	A.50	ATPG 4 MHR	1991860000	A.38
APGTB 2.5 PE 4C/2	1513920000	A.105	ATPG 1.5-10 L	1991890000	A.38	ATPG 2.5 MHR	1991960000	A.51	ATPG 4 MHR	1991860000	A.39
APGTB 2.5 PE 4C/2 DL	2675900000	A.102	ATPG 1.5-10 L	1991890000	A.39	ATPG 2.5 MHR	1991960000	A.57	ATPG 4 MHR	1991860000	A.49
APGTB 4 2T 4C/2	2540230000	A.82	ATPG 1.5-10 L	1991890000	A.40	ATPG 2.5 MHR	1991960000	A.58	ATPG 4 MHR	1991860000	A.50
APGTB 4 2T 4C/2 BL	2540250000	A.82	ATPG 1.5-10 L	1991890000	A.41	ATPG 2.5 MHR	1991960000	A.59	ATPG 4 MHR	1991860000	A.51
APGTB 4 2T 4C/2 DL	2676050000	A.102	ATPG 1.5-10 L	1991890000	A.42	ATPG 2.5 MHR	1991960000	A.66	ATPG 4 MHR	1991860000	A.58
APGTB 4 2T 4C/2 DL BL	2676060000	A.102	ATPG 1.5-10 L	1991890000	A.43	ATPG 2.5 MHR	1991960000	A.67	ATPG 4 MHR	1991860000	A.69
APGTB 4 2T FT-PE 4C/2	2540290000	A.83	ATPG 1.5-10 L	1991890000	A.46	ATPG 2.5 MHR	1991960000	A.			



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G 20/1.00A/F	0430700000	A.61
G 20/1.00A/F	0430700000	A.62
G 20/1.00A/F	0430700000	A.63
G 20/1.00A/F	0430700000	A.64
G 20/1.00A/F	0430700000	B.50
G 20/1.00A/F	0430700000	B.53
G 20/2.00A/F	0430900000	A.61
G 20/2.00A/F	0430900000	A.62
G 20/2.00A/F	0430900000	A.63
G 20/2.00A/F	0430900000	A.64
G 20/2.00A/F	0430900000	A.64
G 20/2.00A/F	0430900000	B.50
G 20/2.00A/F	0430900000	B.53

## H

HP 1 ADP1	0485560000	C.21
HP 2 ADP2	0485560000	C.21
HP 3 ADP3	0485760000	C.21
HP 4 ADP3	0485860000	C.21
HTTB 6	2710110000	B.69
HTTB 6 DL	2792470000	A.102
HTTB 6 PE	2710120000	B.69
HTTB 6 PE	2710120000	B.75
HTTB 6 PE DL	2792470000	A.102

## K

KLBUH SH1	0635960000	C.10
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## L

LL TTB 6/1	2710230000	B.66
LL TTB 6/1	2710230000	B.67
LL TTB 6/1	2710230000	B.68
LL TTB 6/1	2710230000	B.69
LL TTB 6/1	2710230000	B.72
LL TTB 6/1	2710230000	B.73
LL TTB 6/1	2710230000	B.74
LL TTB 6/2	2710300000	B.66
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LL TTB 6/2	2710300000	B.72
LL TTB 6/2	2710300000	B.73
LL TTB 6/2	2710300000	B.74
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LL TTB 6/2 CM	2710370000	B.73
LL TTB 6/2 CM	2710370000	B.74
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LL TTB 6/3	2710440000	B.68
LL TTB 6/3	2710440000	B.72
LL TTB 6/3	2710440000	B.74
LL TTB 6/3 CM	2726100000	B.66
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LL TTB 6/3 CM	2726100000	B.72
LL TTB 6/3 CM	2726100000	B.74
LL TTB 6/4	2710450000	B.66
LL TTB 6/4	2710450000	B.68
LL TTB 6/4	2710450000	B.72
LL TTB 6/4	2710450000	B.74
LL TTB 6/4 CM	2726100000	B.66
LL TTB 6/4 CM	2726100000	B.67
LL TTB 6/4 CM	2726100000	B.68
LL TTB 6/4 CM	2726100000	B.69
LL TTB 6/4 CM	2726100000	B.72
LL TTB 6/4 CM	2726100000	B.74

## M

MB M3/M5 CRM	0503500000	C.20
MB M5/M3 SW	0553400000	C.20
MB M6/M4 GR	0334900000	C.20
MCV APG 1.5	2485980000	A.84
MCV APG 1.5	2485980000	A.86
MCV APG 1.5	2485980000	A.88
MCV APG 2.5	2035590000	A.84
MCV APG 2.5	2035590000	A.86
MCV APG 2.5	2035590000	A.88
MCV APG 4	2540800000	A.85
MCV APG 4	2540800000	A.88
MCV APG 6	2762380000	B.76
MEW 1/32	0445600000	C.19
MEW 35/1	1805610000	C.19
MOFU 35	0495660000	C.20
MOFU 35/LO/1	0646260000	C.20
MOFU 35/LO/1 SW	0646210000	C.20

## N

NSCH 1M	0280200000	C.10
NSCH 2M	1313600000	C.10

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PAP PRV/PPV4 BL	1268010000	B.90
PAP PRV/PPV4 BL	1268010000	B.93
PAP PRV/PPV4 GR	1211450000	B.90
PAP PRV/PPV4 GR	1211450000	B.93
PAP PRV/PPV4 SW	1173750000	B.90
PAP PRV/PPV4 SW	1173750000	B.93
PAP PRV/PPV8 BL	1268000000	B.91
PAP PRV/PPV8 BL	1268000000	B.93
PAP PRV/PPV8 GR	1211460000	B.91
PAP PRV/PPV8 GR	1211460000	B.93
PAP PRV/PPV8 SW	1173720000	B.91
PAP PRV/PPV8 SW	1173720000	B.93
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PPV 4 BL 35X15 DGR	1267920000	B.93
PPV 4 GR 35X15 DGR	1173880000	B.93
PPV 4 GR 35X15 DGR	1173890000	B.93
PPV 4 OR 35X15 DGR	1301610000	B.93
PPV 4 OR 35X15 DGR	1301630000	B.93
PPV 8 BL 35X15 DGR	1267870000	B.93
PPV 8 BL 35X15 DGR	1267880000	B.93
PPV 8 GR 35X15 DGR	1173850000	B.93
PPV 8 GR 35X15 DGR	1173870000	B.93
PPV 8 OR 35X15 DGR	1301620000	B.93
PPV 8 OR 35X15 DGR	1301640000	B.93
PRV 16 BL 35X15 RT/WS	1267790000	B.92
PRV 16 BL 35X15 WS/RT	1267800000	B.92
PRV 16 BL 35X15 WS/RT	1267810000	B.92
PRV 16 BL 35X15 WS/RT	1267820000	B.92
PRV 16 SW 35X15 RT/WS	1173620000	B.92
PRV 16 SW 35X15 WS/RT	1173650000	B.92
PRV 16 SW 35X15 WS/RT	1173680000	B.92
PRV 16 SW 35X15 WS/RT	1173710000	B.92
PRV 4 BL 35X15 RT	1267870000	B.90
PRV 4 BL 35X15 WS	1173820000	B.90
PRV 4 BL 35X7.5 RT	1267900000	B.90
PRV 4 BL 35X7.5 WS	1173930000	B.90
PRV 4 SW 35X15 RT	1173810000	B.90
PRV 4 SW 35X15 WS	1173820000	B.90
PRV 4 SW 35X7.5 RT	1173830000	B.90
PRV 4 SW 35X7.5 WS	1173840000	B.90
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PRV 8 BL 35X7.5 RT/WS	1267840000	B.91
PRV 8 BL 35X7.5 WS/RT	1173910000	B.91
PRV 8 SW 35X15 RT/WS	1173740000	B.91
PRV 8 SW 35X15 WS/RT	1173780000	B.91
PRV 8 SW 35X7.5 RT/WS	1173790000	B.91
PRV 8 SW 35X7.5 WS/RT	1173800000	B.91

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S3C 4 PE DL	2874980000	A.102
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S4C 4 DL BL	2874960000	A.102
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SCCB TTB 6/2	2710190000	B.72
SCCB TTB 6/2	2710190000	B.73
SCCB TTB 6/2	2710190000	B.74
SCCB TTB 6/3	2710200000	B.66
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SCCB TTB 6/3	2710200000	B.68
SCCB TTB 6/3	2710200000	B.69
SCCB TTB 6/3	2710200000	B.72
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SCCB TTB 6/3	2710200000	B.74
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SH 2 S	0641720000	C.11
SH 3	0556680000	C.11
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SIHA 3/620	7921560000	A.71
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SIHA 3/620/LD 10-36V	7921570000	A.71
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SIHA 3/620/LD 10-36V	7921570000	B.125
SIHA 3/620/LD 10-36V	7921570000	B.126
SIHA 3/620/LD 10-36V	7921570000	B.127
SIHA 3/620/LD 140-250V	7921600000	A.70
SIHA 3/620/LD 140-250V	7921600000	A.71
SIHA 3/620/LD 140-250V	7921600000	B.124
SIHA 3/620/LD 140-250V	7921600000	B.125
SIHA 3/620/LD 140-250V	7921600000	B.126
SIHA 3/620/LD 140-250V	7921600000	B.127
SIHA 3/620/LD 35-70V	7921580000	A.70
SIHA 3/620/LD 35-70V	7921580000	A.71
SIHA 3/620/LD 60-150V	7921590000	A.70
SIHA 3/620/LD 60-150V	7921590000	A.71
SL TT8 6	2710220000	B.66
SL TT8 6	2710220000	B.67
SL TT8 6	2710220000	B.68
SL TT8 6	2710220000	B.69
SL TT8 6	2710220000	B.72
SL TT8 6	2710220000	B.73
SL TT8 6	2710220000	B.75
SNAPMARK 1.5	2682080000	A.32
SNAPMARK 1.5	2682080000	A.33
SNAPMARK 1.5	2682080000	A.40
SNAPMARK 1.5	2682080000	A.41
SNAPMARK 1.5	2682080000	A.56
SNAPMARK 1.5	2682080000	A.57
SNAPMARK 1.5	2682080000	A.59
SNAPMARK 1.5	2682080000	A.74
SNAPMARK 1.5	2682080000	A.75
SNAPMARK 1.5	2682080000	A.117
SNAPMARK I	1805880000	A.8
SNAPMARK I	1805880000	A.9
SNAPMARK I	1805880000	A.12
SNAPMARK I	1805880000	A.38
SNAPMARK I	1805880000	A.39
SNAPMARK I	1805880000	A.42
SNAPMARK I	1805880000	A.43
SNAPMARK I	1805880000	A.44
SNAPMARK I	1805880000	A.54
SNAPMARK I	1805880000	A.59
SNAPMARK I	1805880000	A.78
SNAPMARK I	1805880000	A.79
SNAPMARK I	1805880000	A.82
SNAPMARK I	1805880000	A.83
SNAPMARK I	1805880000	A.92
SNAPMARK I	1805880000	A.93
SNAPMARK I	1805880000	A.94
SNAPMARK I	1805880000	A.95
SNAPMARK I	1805880000	A.117
SNAPMARK I	1805880000	B.30
SO SH1	0401460000	C.10
SRC1 QV P	8870840000	B.90
SRC1 QV P	8870840000	B.91
SRC1 QV P	8870840000	B.92
SRC1 QV P	8870840000	B.93
SSCH 10X3X1000 CU/SN	0348900000	B.112
SSCH 10X3X1000 CU/SN	0348900000	B.113
SSCH 10X3X1000 CU/SN	0348900000	B.114
SSCH 10X3X1000 CU/SN	0348900000	B.115
SSCH 10X3X1000 CU/SN	0348900000	B.116
SSCH 10X3X1000 CU/SN	0348900000	B.117
SSCH 10X3X1000 CU/SN	0348900000	B.118
SSCH 10X3X1000 CU/SN	0348900000	B.119
SSCH 10X3X1000 CU/SN	0348900000	B.120
SSCH 10X3X1000 CU/SN	0348900000	B.121

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SSCH 10X3X1000 CU/SN	0348900000	B.122
SSCH 10X3X1000 CU/SN	0348900000	B.123
SSCH 10X3X1000 CU/SN	0348900000	C.10
SSCH 10X3X1000 ST/ZN	0438000000	C.10
SSCH 10X3X2000 CU/VERZ	1397000000	C.10
SSCH 15X6X1000 CU/SN	0357400000	C.10
SSCH 6X6X1000 CU/SN	0571300000	C.10
SSCH 7.3X1.2X1000	1071200000	C.10
TNST	1833090000	A.70
TNST	1833090000	A.71
TNST OR	2463540000	A.70
TNST OR	2463540000	A.71
TNST OR	2463540000	B.124
TNST OR	2463540000	B.125
TNST OR	2463540000	B.126
TNST OR	2463540000	B.127
TS 15X5 2M/ST/ZN	0514200000	C.15
TS 15X5/L 1M/ST/ZN	0117510000	C.15
TS 15X5/L 2M/ST/ZN	0117500000	C.15
TS 20/CX10 2M/ST/ZN	0316400000	C.15
TS 27X12.5M/ST/F/ZN	1802690000	C.15
TS 32X15 2M/AL/BK	0169300000	C.16
TS 32X15 2M/CRN	0293220000	C.16
TS 32X15 2M/ST/ZN	0122800000	B.75
TS 32X15 2M/ST/ZN	0122800000	C.16
TS 32X15/L 2M/ST/ZN	0514400000	C.16
TS 35X15 2M/ST/ZN	0236400000	C.17
TS 35X15/2.3 2M/AL/BK	1848290000	C.17
TS 35X15/2.3 2M/AL/BK	0270100000	B.24
TS 35X15/2.3 2M/AL/BK	0270100000	C.17
TS 35X15/2.3 2M/ST/ZN	0498000000	C.17
TS 35X15/5X18 2M/ST/SZ	1879190000	C.17
TS 35X15/6X18 2M/ST/ZN	1837380000	C.17
TS 35X15/6X18 2M/ST/ZN	1805980000	C.17
TS 35X15/6X25 2M/ST/ZN	1866290000	C.17
TS 35X15/L 1M/ST/ZN	0236510000	C.17
TS 35X15/L 2M/ST/SZ	7907490000	C.17
TS 35X15/L 2M/ST/ZN	0236500000	B.75
TS 35X15/L 2M/ST/ZN	0236500000	C.17
TS 35X15/L 2M/ST/ZN/0	1071680000	C.17
TS 35X7.5 1M/ST/ZN	0383410000	C.16
TS 35X7.5 2M/AL/BK	0330800000	C.16
TS 35X7.5 2M/CRN	1747350000	C.16
TS 35X7.5 2M/CRN 316L	2716000000	C.16
TS 35X7.5 2M/ST/ZN	0383400000	C.16
TS 35X7.5/1.0 2M/AL/BK	2731380000	C.16
TS 35X7.5/5X18 2M/ST/SZ	1879090000	C.16
TS 35X7.5/L 1M/ST/ZN	0514510000	C.16
TS 35X7.5/L 2M/ST/SZ	7915060000	C.16
TS 35X7.5/L 2M/ST/ZN	0514500000	B.62
TS 35X7.5/L 2M/ST/ZN	0514500000	B.66
TS 35X7.5/L 2M/ST/ZN	0514500000	B.68
TS 35X7.5/L 2M/ST/ZN	0514500000	B.72
TS 35X7.5/L 2M/ST/ZN	0514500000	B.75
TS 35X7.5/L 2M/ST/ZN	0514500000	B.76
TS 35X7.5/L 2M/ST/ZN	0514500000	B.77
TS 35X7.5/L 2M/ST/ZN	0514500000	B.78
TS 35X7.5/L 2M/ST/ZN	0514500000	B.79
TS 35X7.5/L 2M/ST/ZN	0514500000	B.80
TS 35X7.5/L 2M/ST/ZN	0514500000	B.81
TS 35X7.5/L 2M/ST/ZN	0514500000	B.82
TS 35X7.5/L 2M/ST/ZN	0514500000	B.83
TS 35X7.5/L 2M/ST/ZN	0514500000	B.84
TS 35X7.5/L 2M/ST/ZN	0514500000	B.85
TS 35X7.5/L 2M/ST/ZN	0514500000	B.86
TS 35X7		

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
WS 10/5 M PLUS MC NE WS	2003770000	B.30	WS 8/5 MM WS	2007150000	A.68	WTTB 6 PE	2710100000	B.72	ZQV 1.5N/8	1985540000	A.110
WS 10/5 M PLUS MC NE WS	2003770000	B.43	WS 8/5 MM WS	2007150000	A.69	WTTB 6 PE	2710100000	B.75	ZQV 1.5N/8 BL	1985640000	A.110
WS 10/5 M PLUS MC NE WS	2003770000	B.45	WS 8/5 MM WS	2007150000	A.70	WTTB 6 PE DL	2792450000	A.102	ZQV 1.5N/8 RD	1985770000	A.110
WS 10/5 M PLUS MC NE WS	2003770000	B.98	WS 8/5 MM WS	2007150000	A.76				ZQV 1.5N/9	1985560000	A.110
WS 10/5 M PLUS MC NE WS	2003770000	B.100	WS 8/5 MM WS	2007150000	A.77				ZQV 1.5N/9 BL	1985660000	A.110
WS 10/5 M PLUS MC NE WS	2003770000	B.101	WS 8/5 MM WS	2007150000	A.78				ZQV 1.5N/9 RD	1985790000	A.110
WS 10/6 M MC NE WS	1818400000	A.85	WS 8/5 MM WS	2007150000	A.79	ZEW 15	7920340000	C.19	ZQV 10N/2	2497250000	A.25
WS 10/6 M PLUS MC NE WS	2003780000	A.7	WS 8/5 MM WS	2007150000	A.84	ZEW 35	9540000000	C.19	ZQV 10N/2	2497250000	A.111
WS 10/6 M PLUS MC NE WS	2003780000	A.8	WS 8/5 MM WS	2007150000	A.86	ZEW 35 GR	1238040000	C.19	ZQV 10N/2	2497250000	B.113
WS 10/6 M PLUS MC NE WS	2003780000	A.11	WS 8/5 MM WS	2007150000	A.92	ZEW 35/2	8630740000	B.49	ZQV 10N/2	2497250000	B.117
WS 10/6 M PLUS MC NE WS	2003780000	A.12	WS 8/5 MM WS	2007150000	A.93	ZEW 35/2	8630740000	C.19	ZQV 150/185N/2	2728840000	A.30
WS 10/6 M PLUS MC NE WS	2003780000	A.19	WS 8/5 MM WS	2007150000	A.94	ZEW 35/2 GR	1227850000	C.19	ZQV 150/185N/2	2728840000	A.31
WS 10/6 M PLUS MC NE WS	2003780000	A.20	WS 8/5 MM WS	2007150000	A.95	ZEW 35/2 SW	1162610000	B.90	ZQV 150/185N/2	2728840000	A.112
WS 10/6 M PLUS MC NE WS	2003780000	A.21	WS 8/5 MM WS	2007150000	A.103	ZEW 35/2 SW	1162610000	B.91	ZQV 150/185N/2	2728840000	B.20
WS 10/6 M PLUS MC NE WS	2003780000	A.49	WS 8/5 MM WS	2007150000	B.28	ZEW 35/2 SW	1162610000	B.93	ZQV 150/185N/2	2728840000	B.21
WS 10/6 M PLUS MC NE WS	2003780000	A.50	WS 8/5 MM WS	2007150000	B.30	ZEW 35/2 SW	1162610000	C.19	ZQV 150/185N/2	2728840000	B.24
WS 10/6 M PLUS MC NE WS	2003780000	A.51	WS 8/5 MM WS	2007150000	B.43	ZQV 1.5N/10	1985580000	A.16	ZQV 150/185N/2	2728840000	B.105
WS 10/6 M PLUS MC NE WS	2003780000	A.58	WS 8/5 MM WS	2007150000	B.45	ZQV 1.5N/10	1985580000	A.17	ZQV 150/185N/3	2728850000	A.30
WS 10/6 M PLUS MC NE WS	2003780000	A.61	WS 8/5 MM WS	2007150000	B.46	ZQV 1.5N/10	1985580000	A.24	ZQV 150/185N/3	2728850000	A.31
WS 10/6 M PLUS MC NE WS	2003780000	A.62	WS 8/5 MM WS	2007150000	B.47	ZQV 1.5N/10	1985580000	A.27	ZQV 150/185N/3	2728850000	A.112
WS 10/6 M PLUS MC NE WS	2003780000	A.63	WS 8/5 MM WS	2007150000	B.98	ZQV 1.5N/10	1985580000	A.32	ZQV 150/185N/3	2728850000	B.20
WS 10/6 M PLUS MC NE WS	2003780000	A.64	WS 8/5 MM WS	2007150000	B.100	ZQV 1.5N/10	1985580000	A.33	ZQV 150/185N/3	2728850000	B.21
WS 10/6 M PLUS MC NE WS	2003780000	A.69	WS 8/5 MM WS	2007150000	B.101	ZQV 1.5N/10	1985580000	A.40	ZQV 150/185N/3	2728850000	B.24
WS 10/6 M PLUS MC NE WS	2003780000	A.71	WS 8/6 MM WS	2007160000	A.7	ZQV 1.5N/10	1985580000	A.41	ZQV 150/185N/3	2728850000	B.105
WS 10/6 M PLUS MC NE WS	2003780000	A.80	WS 8/6 MM WS	2007160000	A.8	ZQV 1.5N/10	1985580000	A.72	ZQV 16N/2	2497290000	A.26
WS 10/6 M PLUS MC NE WS	2003780000	A.81	WS 8/6 MM WS	2007160000	A.11	ZQV 1.5N/10	1985580000	A.73	ZQV 16N/2	2497290000	A.111
WS 10/6 M PLUS MC NE WS	2003780000	A.82	WS 8/6 MM WS	2007160000	A.12	ZQV 1.5N/10	1985580000	A.74	ZQV 2.5N/10	1527690000	A.6
WS 10/6 M PLUS MC NE WS	2003780000	A.83	WS 8/6 MM WS	2007160000	A.19	ZQV 1.5N/10	1985580000	A.75	ZQV 2.5N/10	1527690000	A.7
WS 10/6 M PLUS MC NE WS	2003780000	B.49	WS 8/6 MM WS	2007160000	A.20	ZQV 1.5N/10	1985580000	A.110	ZQV 2.5N/10	1527690000	A.8
WS 10/6 M PLUS MC NE WS	2003780000	B.50	WS 8/6 MM WS	2007160000	A.21	ZQV 1.5N/10	1985580000	B.28	ZQV 2.5N/10	1527690000	A.9
WS 10/6 M PLUS MC NE WS	2003780000	B.53	WS 8/6 MM WS	2007160000	A.49	ZQV 1.5N/10	1985580000	B.131	ZQV 2.5N/10	1527690000	A.17
WS 10/6 M PLUS MC NE WS	2003780000	B.99	WS 8/6 MM WS	2007160000	A.50	ZQV 1.5N/10 BL	1985680000	A.110	ZQV 2.5N/10	1527690000	A.18
WS 10/6 M PLUS MC NE WS	2003780000	B.101	WS 8/6 MM WS	2007160000	A.51	ZQV 1.5N/10 BL	1985680000	B.36	ZQV 2.5N/10	1527690000	A.19
WS 10/6 M PLUS MC NE WS	2003780000	B.102	WS 8/6 MM WS	2007160000	A.58	ZQV 1.5N/10 BL	1985680000	B.37	ZQV 2.5N/10	1527690000	A.24
WS 10/8 PLUS MC NE WS	1905950000	A.22	WS 8/6 MM WS	2007160000	A.61	ZQV 1.5N/10 BL	1985680000	B.38	ZQV 2.5N/10	1527690000	A.27
WS 10/8 PLUS MC NE WS	1905950000	A.23	WS 8/6 MM WS	2007160000	A.62	ZQV 1.5N/10 BL	1985680000	B.39	ZQV 2.5N/10	1527690000	A.34
WS 10/8 PLUS MC NE WS	1905950000	A.24	WS 8/6 MM WS	2007160000	A.63	ZQV 1.5N/10 BL	1985680000	B.86	ZQV 2.5N/10	1527690000	A.35
WS 10/8 PLUS MC NE WS	1905950000	A.25	WS 8/6 MM WS	2007160000	A.64	ZQV 1.5N/10 BL	1985680000	B.87	ZQV 2.5N/10	1527690000	A.36
WS 10/8 PLUS MC NE WS	1905950000	A.26	WS 8/6 MM WS	2007160000	A.69	ZQV 1.5N/10 RD	1985800000	A.110	ZQV 2.5N/10	1527690000	A.37
WS 10/8 PLUS MC NE WS	1905950000	A.27	WS 8/6 MM WS	2007160000	A.71	ZQV 1.5N/10 RD	1985800000	B.36	ZQV 2.5N/10	1527690000	A.42
WS 10/8 PLUS MC NE WS	1905950000	A.52	WS 8/6 MM WS	2007160000	A.80	ZQV 1.5N/10 RD	1985800000	B.37	ZQV 2.5N/10	1527690000	A.43
WS 10/8 PLUS MC NE WS	1905950000	A.53	WS 8/6 MM WS	2007160000	A.81	ZQV 1.5N/10 RD	1985800000	B.38	ZQV 2.5N/10	1527690000	A.44
WS 10/8 PLUS MC NE WS	1905950000	A.54	WS 8/6 MM WS	2007160000	A.82	ZQV 1.5N/10 RD	1985800000	B.39	ZQV 2.5N/10	1527690000	A.60
WS 10/8 PLUS MC NE WS	1905950000	B.36	WS 8/6 MM WS	2007160000	A.83	ZQV 1.5N/10 RD	1985800000	B.40	ZQV 2.5N/10	1527690000	A.66
WS 10/8 PLUS MC NE WS	1905950000	B.37	WS 8/6 MM WS	2007160000	A.85	ZQV 1.5N/10 RD	1985800000	B.41	ZQV 2.5N/10	1527690000	A.67
WS 10/8 PLUS MC NE WS	1905950000	B.38	WS 8/6 MM WS	2007160000	B.49	ZQV 1.5N/10 RD	1985800000	B.86	ZQV 2.5N/10	1527690000	A.68
WS 10/8 PLUS MC NE WS	1905950000	B.39	WS 8/6 MM WS	2007160000	B.50	ZQV 1.5N/10 RD	1985800000	B.87	ZQV 2.5N/10	1527690000	A.69
WS 10/8 PLUS MC NE WS	1905950000	B.42	WS 8/6 MM WS	2007160000	B.53	ZQV 1.5N/2	1985410000	A.16	ZQV 2.5N/10	1527690000	A.70
WS 10/8 PLUS MC NE WS	1905950000	B.43	WS 8/6 MM WS	2007160000	B.99	ZQV 1.5N/2	1985410000	A.17	ZQV 2.5N/10	1527690000	A.76
WS 10/8 PLUS MC NE WS	1905950000	B.44	WS 8/6 MM WS	2007160000	B.101	ZQV 1.5N/2	1985410000	A.24	ZQV 2.5N/10	1527690000	A.77
WS 10/8 PLUS MC NE WS	1905950000	B.48	WS 8/6 PLUS MC NE WS	1951880000	B.102	ZQV 1.5N/2	1985410000	A.27	ZQV 2.5N/10	1527690000	A.78
WS 10/8 PLUS MC NE WS	1905950000	B.49	WS 8/6 PLUS MC NE WS	1951880000	B.113	ZQV 1.5N/2	1985410000	A.32	ZQV 2.5N/10	1527690000	A.79
WS 10/8 PLUS MC NE WS	1905950000	B.52	WS 8/6 PLUS MC NE WS	1951880000	B.117	ZQV 1.5N/2	1985410000	A.33	ZQV 2.5N/10	1527690000	A.92
WS 10/8 PLUS MC NE WS	1905950000	B.99	WS 8/6 PLUS MC NE WS	1951880000	B.122	ZQV 1.5N/2	1985410000	A.40	ZQV 2.5N/10	1527690000	A.93
WS 10/8 PLUS MC NE WS	1905950000	B.102	WS 8/6 PLUS MC NE WS	1951880000	B.123	ZQV 1.5N/2	1985410000	A.41	ZQV 2.5N/10	1527690000	A.94
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.90	WS-A 8/10 MM WS	2619890000	B.113	ZQV 1.5N/2	1985410000	A.72	ZQV 2.5N/10	1527690000	A.95
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.91	WS-A 8/10 MM WS	2619890000	B.115	ZQV 1.5N/2	1985410000	A.73	ZQV 2.5N/10	1527690000	A.103
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.92	WS-A 8/10 MM WS	2619890000	B.117	ZQV 1.5N/2	1985410000	A.74	ZQV 2.5N/10	1527690000	A.110
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.93	WS-A 8/12 MM WS	2619900000	A.54	ZQV 1.5N/2	1985410000	A.75	ZQV 2.5N/10	1527690000	B.28
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.113	WS-A 8/16 MM WS	2619910000	A.28	ZQV 1.5N/2	1985410000	A.110	ZQV 2.5N/10	1527690000	B.30
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.115	WS-A 8/16 MM WS	2619910000	A.29	ZQV 1.5N/2	1985410000	B.28	ZQV 2.5N/10	1527690000	B.100
WS 7.8/9.2 PLUS MC NE GR	1208970000	B.117	WS-A 8/16 MM WS	2619910000	A.30	ZQV 1.5N/2	1985410000	B.131	ZQV 2.5N/10	1527690000	B.101
WS 8/3.5 MM WS	2007140000	A.16	WS-A 8/16 MM WS	2619910000	A.31	ZQV 1.5N/2 BL	1985530000	A.110	ZQV 2.5N/10	1527690000	B.112
WS 8/3.5 MM WS	2007140000	A.17	WS-A 8/16 MM WS	2619910000	A.55	ZQV 1.5N/2 BL	1985530000	B.36	ZQV 2.5N/10	1527690000	B.118
WS 8/3.5 MM WS	2007140000	B.39	WS-A 8/16 MM WS	2619910000	A.56	ZQV 1.5N/2 BL	1985530000	B.37	ZQV 2.5N/10	1527690000	B.119
WS 8/3.5 MM WS	2007140000	B.40	WS-A 8/16 MM WS	2619910000	B.8	ZQV 1.5N/2 BL	1985530000	B.38	ZQV 2.5N/10	1527690000	B.120
WS 8/3.5 MM WS	2007140000	B.41	WS-A 8/16 MM WS	2619910000	B.9	ZQV 1.5N/2 BL	1985530000	B.39	ZQV 2.5N/10	1527690000	B.121
WS 8/3.5 MM WS	2007140000	B.86	WS-A 8/16 MM WS	2619910000	B.10	ZQV 1.5N/2 BL	1985530000	B.86	ZQV 2.5N/10	1527690000	B.124
WS 8/3.5 MM WS	2007140000	B.87	WS-A 8/16 MM WS	2619910000	B.11	ZQV 1.5N/2 BL	1985530000	B.87	ZQV 2.5N/10	1527690000	B.125
WS 8/5 MM WS	2007150000	A.6	WS-A 8/16 MM WS	2619910000	B.12	ZQV 1.5N/2 RD	1985650000	A.110	ZQV 2.5N/10	1527690000	B.126
WS 8/5 MM WS	2007150000	A.7	WS-A 8/16 MM WS	2619910000	B.16	ZQV 1.5N/2 RD	1985650000	B.36	ZQV 2.5N/10	1527690000	B.127
WS 8/5 MM WS	2007150000	A.8	WS-A 8/16 MM WS	2619910000	B.17	ZQV 1.5N/2 RD	1985650000	B.37	ZQV 2.5N/10 BK	2831750000	A.113
WS 8/5 MM WS	2007150000	A.9	WS-A 8/16 MM WS	2619910000	B.18	ZQV 1.5N/2 RD	1985650000	B.38	ZQV 2.5N/10 BL	1527880000	A.110
WS 8/5 MM WS	2007150000	A.10	WS-A 8/16 MM WS	2619910000	B.19	ZQV 1.5N/2 RD	1985650000	B.39	ZQV 2.5N/10 BL	1527880000	B.42
WS 8/5 MM WS	2007150000	A.11	WS-A 8/16 MM WS	2619910000	B.20	ZQV 1.5N/2 RD	1985650000	B.40	ZQV 2.5N/10 BL	1527880000	B.43
WS 8/5 MM WS	2007150000	A.12	WS-A 8/16 MM WS	2619910000	B.21	ZQV 1.5N/2 RD	1985650000	B.41	ZQV 2.5N/10 BL	1527880000	B.44
WS 8/5 MM WS	2007150000	A.17	WS-A 8/16 MM WS	2619910000	B.22	ZQV 1.5N/2 RD	1985650000	B.86	ZQV 2.5N/10 BL	1527880000	B.45
WS 8/5 MM WS	2007150000	A.18	WS-A 8/16 MM WS	2619910000	B.23	ZQV 1.5N/2 RD	1985650000	B.87	ZQV 2.5N/10 BL	1527880000	B.116
WS 8/5 MM WS	2007150000	A.19	WS-A 8/16 MM WS	2619910000	B.24	ZQV 1.5N/2 RD	1985650000	A.110	ZQV 2.5N/10 RD	2108910000	A.110
WS 8/5 MM WS	2007150000	A.									

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ZQV 2.5N/2	1527540000	A.42	ZQV 2.5N/7 BL	1527830000	A.110	ZQV 4N/2 BK	2810840000	A.113	ZQV 6N/4	1985780000	B.102
ZQV 2.5N/2	1527540000	A.43	ZQV 2.5N/7 RD	2108810000	A.110	ZQV 4N/2 BL	1528040000	A.110	ZQV 6N/4 BL	1985850000	A.111
ZQV 2.5N/2	1527540000	A.44	ZQV 2.5N/7 WT	2831610000	A.113	ZQV 4N/2 BL	1528040000	B.48	ZQV 6N/6	2733950000	A.111
ZQV 2.5N/2	1527540000	A.60	ZQV 2.5N/8	1527670000	A.110	ZQV 4N/2 BL	1528040000	B.49	ZQV 6N/6	2733950000	B.66
ZQV 2.5N/2	1527540000	A.66	ZQV 2.5N/8 BK	2831730000	A.113	ZQV 4N/2 BL	1528040000	B.50	ZQV 6N/6	2733950000	B.67
ZQV 2.5N/2	1527540000	A.67	ZQV 2.5N/8 BL	1527840000	A.110	ZQV 4N/2 BL	1528040000	B.52	ZQV 6N/6	2733950000	B.68
ZQV 2.5N/2	1527540000	A.68	ZQV 2.5N/8 RD	2108870000	A.110	ZQV 4N/2 BL	1528040000	B.53	ZQV 6N/6	2733950000	B.69
ZQV 2.5N/2	1527540000	A.69	ZQV 2.5N/8 WT	2831620000	A.113	ZQV 4N/2 RD	2460450000	A.110	ZQV 6N/6	2733950000	B.72
ZQV 2.5N/2	1527540000	A.70	ZQV 2.5N/9	1527680000	A.110	ZQV 4N/2 RD	2460450000	B.48	ZQV 6N/6	2733950000	B.73
ZQV 2.5N/2	1527540000	A.76	ZQV 2.5N/9 BK	2831740000	A.113	ZQV 4N/2 RD	2460450000	B.49	ZQV 6N/6	2733950000	B.75
ZQV 2.5N/2	1527540000	A.77	ZQV 2.5N/9 BL	1527870000	A.110	ZQV 4N/2 RD	2460450000	B.50	ZQV 6N/6 BL	2786890000	A.111
ZQV 2.5N/2	1527540000	A.78	ZQV 2.5N/9 RD	2108900000	A.110	ZQV 4N/2 RD	2460450000	B.52	ZQV 6N/7	2733960000	A.111
ZQV 2.5N/2	1527540000	A.79	ZQV 2.5N/9 WT	2831630000	A.113	ZQV 4N/2 RD	2460450000	B.53	ZQV 6N/7	2733960000	B.66
ZQV 2.5N/2	1527540000	A.92	ZQV 35N-10	2562670000	A.28	ZQV 4N/2 WT	2831800000	A.113	ZQV 6N/7	2733960000	B.67
ZQV 2.5N/2	1527540000	A.93	ZQV 35N-10	2562670000	A.111	ZQV 4N/20	2883800000	A.110	ZQV 6N/7	2733960000	B.68
ZQV 2.5N/2	1527540000	A.94	ZQV 35N-10	2562670000	B.8	ZQV 4N/20 BK	2810870000	A.113	ZQV 6N/7	2733960000	B.69
ZQV 2.5N/2	1527540000	A.95	ZQV 35N-10	2562670000	B.9	ZQV 4N/20 BL	2810850000	A.110	ZQV 6N/7	2733960000	B.72
ZQV 2.5N/2	1527540000	A.103	ZQV 35N-10	2562670000	B.10	ZQV 4N/20 RD	2810860000	A.110	ZQV 6N/7	2733960000	B.73
ZQV 2.5N/2	1527540000	A.110	ZQV 35N-10	2562670000	B.11	ZQV 4N/3	1527940000	A.110	ZQV 6N/7	2733960000	B.75
ZQV 2.5N/2	1527540000	B.28	ZQV 35N-10	2562670000	B.12	ZQV 4N/3	1527940000	B.122	ZQV 6N/7 BL	2786900000	A.111
ZQV 2.5N/2	1527540000	B.30	ZQV 35N-10	2562670000	B.103	ZQV 4N/3	1527940000	B.123	ZQV 95/120N/2	2694250000	A.29
ZQV 2.5N/2	1527540000	B.100	ZQV 35N-16	2562660000	A.28	ZQV 4N/3 BK	2810880000	A.113	ZQV 95/120N/2	2694250000	A.30
ZQV 2.5N/2	1527540000	B.101	ZQV 35N-16	2562660000	A.111	ZQV 4N/3 BL	2810890000	A.110	ZQV 95/120N/2	2694250000	A.112
ZQV 2.5N/2	1527540000	B.112	ZQV 35N-16	2562660000	B.8	ZQV 4N/3 RD	2460810000	A.110	ZQV 95/120N/2	2694250000	B.18
ZQV 2.5N/2	1527540000	B.118	ZQV 35N-16	2562660000	B.9	ZQV 4N/3 WT	2831810000	A.113	ZQV 95/120N/2	2694250000	B.19
ZQV 2.5N/2	1527540000	B.119	ZQV 35N-16	2562660000	B.10	ZQV 4N/4	1527970000	A.110	ZQV 95/120N/2	2694250000	B.24
ZQV 2.5N/2	1527540000	B.120	ZQV 35N-16	2562660000	B.11	ZQV 4N/4	1527970000	B.122	ZQV 95/120N/2	2694250000	B.105
ZQV 2.5N/2	1527540000	B.121	ZQV 35N-16	2562660000	B.12	ZQV 4N/4	1527970000	B.123	ZQV 95/120N/3	2694260000	A.29
ZQV 2.5N/2	1527540000	B.124	ZQV 35N-16	2562660000	B.103	ZQV 4N/4 BL	2810890000	A.113	ZQV 95/120N/3	2694260000	A.30
ZQV 2.5N/2	1527540000	B.125	ZQV 35N/2	2634950000	A.28	ZQV 4N/4 BK	1528120000	A.110	ZQV 95/120N/3	2694260000	A.112
ZQV 2.5N/2	1527540000	B.126	ZQV 35N/2	2634950000	A.111	ZQV 4N/4 RD	2460800000	A.110	ZQV 95/120N/3	2694260000	B.18
ZQV 2.5N/2	1527540000	B.127	ZQV 35N/2	2634950000	B.8	ZQV 4N/4 WT	2831820000	A.113	ZQV 95/120N/3	2694260000	B.19
ZQV 2.5N/2 BK	2831670000	A.113	ZQV 35N/2	2634950000	B.9	ZQV 4N/4	2883810000	A.110	ZQV 95/120N/3	2694260000	B.24
ZQV 2.5N/2 BL	1527740000	A.110	ZQV 35N/2	2634950000	B.10	ZQV 4N/4 BK	2831890000	A.113	ZQV 95/120N/3	2694260000	B.105
ZQV 2.5N/2 BL	1527740000	B.42	ZQV 35N/2	2634950000	B.11	ZQV 4N/4 BL	2883820000	A.110	ZUB MULTIMETER	9205270000	B.40
ZQV 2.5N/2 BL	1527740000	B.43	ZQV 35N/2	2634950000	B.12	ZQV 4N/4 RD	2883840000	A.110	ZUB MULTIMETER	9205270000	B.41
ZQV 2.5N/2 BL	1527740000	B.44	ZQV 35N/2	2634950000	B.103	ZQV 4N/5	1527980000	A.110	ZUB MULTIMETER	9205270000	B.46
ZQV 2.5N/2 BL	1527740000	B.45	ZQV 4N/10	1528090000	A.7	ZQV 4N/5 BK	2810900000	A.113	ZUB MULTIMETER	9205270000	B.47
ZQV 2.5N/2 BL	1527740000	B.116	ZQV 4N/10	1528090000	A.8	ZQV 4N/5 BL	1528140000	A.110	ZVQ 2.5/1.5	1720700000	A.8
ZQV 2.5N/2 RD	2108470000	A.110	ZQV 4N/10	1528090000	A.19	ZQV 4N/5 RD	2460790000	A.110	ZVQ 2.5/1.5	1720700000	A.9
ZQV 2.5N/2 RD	2108470000	B.42	ZQV 4N/10	1528090000	A.20	ZQV 4N/5 WT	2831830000	A.113	ZVQ 2.5/1.5	1720700000	A.44
ZQV 2.5N/2 RD	2108470000	B.43	ZQV 4N/10	1528090000	A.21	ZQV 4N/50	1528130000	A.110	ZVQ 2.5/1.5	1720700000	B.30
ZQV 2.5N/2 RD	2108470000	B.44	ZQV 4N/10	1528090000	A.27	ZQV 4N/50 BL	1528240000	A.110			
ZQV 2.5N/2 RD	2108470000	B.45	ZQV 4N/10	1528090000	A.38	ZQV 4N/50 RD	2460730000	A.110			
ZQV 2.5N/2 RD	2108470000	B.46	ZQV 4N/10	1528090000	A.39	ZQV 4N/6	1527990000	A.110			
ZQV 2.5N/2 RD	2108470000	B.47	ZQV 4N/10	1528090000	A.61	ZQV 4N/6 BK	2810910000	A.113			
ZQV 2.5N/2 WT	2831560000	A.113	ZQV 4N/10	1528090000	A.62	ZQV 4N/6 BL	1528170000	A.110			
ZQV 2.5N/20	1527720000	A.110	ZQV 4N/10	1528090000	A.63	ZQV 4N/6 RD	2460780000	A.110			
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ZQV 2.5N/20 WT	2831650000	A.113	ZQV 4N/10	1528090000	A.80	ZQV 4N/7 BL	1528180000	A.110			
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ZQV 2.5N/3	1527570000	B.119	ZQV 4N/10	1528090000	A.110	ZQV 4N/8 BK	2810930000	A.113			
ZQV 2.5N/3	1527570000	B.120	ZQV 4N/10	1528090000	B.28	ZQV 4N/8 BL	1528190000	A.110			
ZQV 2.5N/3	1527570000	B.121	ZQV 4N/10	1528090000	B.101	ZQV 4N/8 RD	2460760000	A.110			
ZQV 2.5N/3	1527570000	B.124	ZQV 4N/10	1528090000	B.102	ZQV 4N/8 WT	2831860000	A.113			
ZQV 2.5N/3	1527570000	B.125	ZQV 4N/10	1528090000	B.122	ZQV 4N/9	1528070000	A.110			
ZQV 2.5N/3	1527570000	B.126	ZQV 4N/10	1528090000	B.123	ZQV 4N/9 BK	2831780000	A.113			
ZQV 2.5N/3	1527570000	B.127	ZQV 4N/10 BK	2810830000	A.113	ZQV 4N/9 BL	1528220000	A.110			
ZQV 2.5N/3 BK	2831680000	A.113	ZQV 4N/10 BL	1528230000	A.110	ZQV 4N/9 RD	2460750000	A.110			
ZQV 2.5N/3 BL	1527770000	A.110	ZQV 4N/10 BL	1528230000	B.48	ZQV 4N/9 WT	2831870000	A.113			
ZQV 2.5N/3 BL	1527770000	B.116	ZQV 4N/10 BL	1528230000	B.49	ZQV 50/70N/2	2663400000	A.29			
ZQV 2.5N/3 RD	2108690000	A.110	ZQV 4N/10 BL	1528230000	B.50	ZQV 50/70N/2	2663400000	A.112			
ZQV 2.5N/3 WT	2831570000	A.113	ZQV 4N/10 BL	1528230000	B.52	ZQV 50/70N/2	2663400000	B.16			
ZQV 2.5N/4	1527590000	A.110	ZQV 4N/10 RD	1528230000	B.53	ZQV 50/70N/2	2663400000	B.24			
ZQV 2.5N/4	1527590000	B.112	ZQV 4N/10 RD	2460740000	A.110	ZQV 50/70N/2	2663400000	B.104			
ZQV 2.5N/4	1527590000	B.118	ZQV 4N/10 RD	2460740000	B.48	ZQV 6N/10	2733970000	A.111			
ZQV 2.5N/4	1527590000	B.119	ZQV 4N/10 RD	2460740000	B.49	ZQV 6N/10	2733970000	B.66			
ZQV 2.5N/4	1527590000	B.120	ZQV 4N/10 RD	2460740000	B.50	ZQV 6N/10	2733970000	B.67			
ZQV 2.5N/4	1527590000	B.121	ZQV 4N/10 RD	2460740000	B.52	ZQV 6N/10	2733970000	B.68			
ZQV 2.5N/4	1527590000	B.124	ZQV 4N/10 RD	2460740000	B.53	ZQV 6N/10	2733970000	B.69			
ZQV 2.5N/4	1527590000	B.125	ZQV 4N/10 WT	2831790000	A.113	ZQV 6N/10	2733970000	B.72			
ZQV 2.5N/4	1527590000	B.126	ZQV 4N/2	1527930000	A.7	ZQV 6N/10	2733970000	B.73			
ZQV 2.5N/4 BK	2831690000	A.113	ZQV 4N/2	1527930000	A.8	ZQV 6N/10	2733970000	B.75			
ZQV 2.5N/4 BL	1527780000	A.110	ZQV 4N/2	1527930000	A.19	ZQV 6N/10 BL	2786910000	A.111			
ZQV 2.5N/4 BL	1527780000	B.116	ZQV 4N/2	1527930000	A.20	ZQV 6N/10	2786910000	A.22			
ZQV 2.5N/4 RD	2108700000	A.110	ZQV 4N/2	1527930000	A.21	ZQV 6N/2	1985740000	A.23			
ZQV 2.5N/4 WT	2831580000	A.113	ZQV 4N/2	1527930000	A.27	ZQV 6N/2	1985740000	A.27			
ZQV 2.5N/5	1527620000	A.110	ZQV 4N/2	1527930000	A.38	ZQV 6N/2	1985740000	A.111			
ZQV 2.5N/5 BK	2831700000	A.113	ZQV 4N/2	1527930000	A.39	ZQV 6N/2	1985740000	B.28			
ZQV 2.5N/5 BL	1527790000	A.110	ZQV 4N/2	1527930000	A.61	ZQV 6N/2	1985740000	B.102			
ZQV 2.5N/5 RD	2108710000	A.110	ZQV 4N/2	1527930000	A.62	ZQV 6N/2	1985740000	B.122			
ZQV 2.5N/5 WT	2831590000	A.113	ZQV 4N/2	1527930000	A.63	ZQV 6N/2	1985740000	B.112			
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0117510000	TS 15X5/LL 1M/ST/ZN	C.15

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0236500000	TS 35X15/LL 2M/ST/ZN	B.75
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0270100000	TS 35X15/2.3 2M/CU/BK	B.24
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0310000000	PS 2.0 MC	A.6
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0334900000	MB M6/M4 GR	C.20

## 034000000

0348900000	SSCH 10X3X1000 CU/SN	B.112
0348900000	SSCH 10X3X1000 CU/SN	B.113
0348900000	SSCH 10X3X1000 CU/SN	B.114
0348900000	SSCH 10X3X1000 CU/SN	B.115
0348900000	SSCH 10X3X1000 CU/SN	B.116
0348900000	SSCH 10X3X1000 CU/SN	B.117
0348900000	SSCH 10X3X1000 CU/SN	B.118
0348900000	SSCH 10X3X1000 CU/SN	B.119
0348900000	SSCH 10X3X1000 CU/SN	B.120
0348900000	SSCH 10X3X1000 CU/SN	B.121
0348900000	SSCH 10X3X1000 CU/SN	B.122
0348900000	SSCH 10X3X1000 CU/SN	B.123
0348900000	SSCH 10X3X1000 CU/SN	C.10

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## 035000000

0353500000	FKSC M6X12 D9/SW3	C.20
0357400000	SSCH 15X6X1000 CU/SN	C.10

## 038000000

0382860000	EW 15	C.19
0383400000	TS 35X7.5 2M/ST/ZN	C.16
0383410000	TS 35X7.5 1M/ST/ZN	C.16
0383530000	EW 35 GR 7032	C.19
0383560000	EW 35	C.19

## 040000000

0401460000	S0 SH1	C.10
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## 043000000

0430500000	G 20/D.25A/F	A.61
0430500000	G 20/D.25A/F	A.62
0430500000	G 20/D.25A/F	A.63
0430500000	G 20/D.25A/F	A.64
0430500000	G 20/D.25A/F	B.50
0430500000	G 20/D.25A/F	B.53
0430600000	G 20/D.50A/F	A.61
0430600000	G 20/D.50A/F	A.62
0430600000	G 20/D.50A/F	A.63
0430600000	G 20/D.50A/F	A.64
0430600000	G 20/D.50A/F	B.50
0430600000	G 20/D.50A/F	B.53
0430700000	G 20/1.00A/F	A.61
0430700000	G 20/1.00A/F	A.62
0430700000	G 20/1.00A/F	A.63
0430700000	G 20/1.00A/F	A.64
0430700000	G 20/1.00A/F	B.50
0430700000	G 20/1.00A/F	B.53
0430900000	G 20/2.00A/F	A.61
0430900000	G 20/2.00A/F	A.62
0430900000	G 20/2.00A/F	A.63
0430900000	G 20/2.00A/F	A.64
0430900000	G 20/2.00A/F	B.50
0430900000	G 20/2.00A/F	B.53
0438000000	SSCH 10X3X1000 ST/ZN	C.10

## 044000000

0445600000	MEW 1/32	C.19
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## 048000000

0485200000	ADP 1/HP1 1M	C.21
0485300000	ADP 2/HP2 1M	C.21
0485400000	ADP 3/HP3 1M	C.21
0485560000	HP 1 ADP1	C.21
0485660000	HP 2 ADP2	C.21
0485760000	HP 3 ADP3	C.21
0485860000	HP 4 ADP3	C.21

## 049000000

0494920000	SH 2	C.11
0495660000	MOFU 35	C.20
0498000000	TS 35X15/2.3 2M/ST/ZN	C.17

## 050000000

0503500000	MB M3/M5 CRM	C.20
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## 051000000

0514200000	TS 15X5 2M/ST/ZN	C.15
0514300000	TSK 35X15 2M PVC/GR	C.17
0514400000	TS 32X15/LL 2M/ST/ZN	C.16
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.12
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.66
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.68
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.72
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.75
0514500000	TS 35X7.5/LL 2M/ST/ZN	C.16
0514510000	TS 35X7.5/LL 1M/ST/ZN	C.16
0514570000	TS 35X7.5/LL/6 2M/ST/ZN	C.16

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## 1110000000

112910000	WAD 5 MC NE WS	B.66
112910000	WAD 5 MC NE WS	B.68
112910000	WAD 5 MC NE WS	B.72

## 1160000000

1162600000	WEW 35/1 SW	B.92
1162600000	WEW 35/1 SW	C.11
1162600000	WEW 35/1 SW	C.19
1162610000	ZEW 35/2 SW	B.90
1162610000	ZEW 35/2 SW	B.91
1162610000	ZEW 35/2 SW	B.93
1162610000	ZEW 35/2 SW	C.19

## 1170000000

1173540000	BZT PRV16 SW 35X15	B.92
1173550000	BZT PRV16 SW 35X7.5	B.92
1173570000	BZT PRV8 SW 35X15	B.93
1173570000	BZT PRV8 SW 35X15	B.93
1173580000	BZT PRV8 SW 35X7.5	B.91
1173580000	BZT PRV8 SW 35X7.5	B.93
1173590000	BZT PRV4 SW 35X15	B.90
1173590000	BZT PRV4 SW 35X15	B.93
1173600000	BZT PRV4 SW 35X7.5	B.90
1173600000	BZT PRV4 SW 35X7.5	B.93
1173620000	PRV 16 SW 35X15 RT/WS	B.92
1173630000	TW PRV16	B.92
1173650000	PRV 16 SW 35X15 WS/RT	B.92
1173670000	TW PRV8	B.91
1173670000	TW PRV8	B.93
1173680000	PRV 16 SW 35X7.5 RT/WS	B.92
1173700000	TW PRV4	B.90
1173700000	TW PRV4	B.93
1173710000	PRV 16 SW 35X7.5 WS/RT	B.92
1173720000	PAP PRV/PPV8 SW	B.93
1173720000	PAP PRV/PPV8 SW	B.93
1173740000	PRV 8 SW 35X15 RT/WS	B.91
1173750000	PAP PRV/PPV4 SW	B.90
1173750000	PAP PRV/PPV4 SW	B.93
1173780000	PRV 8 SW 35X15 WS/RT	B.91
1173790000	PRV 8 SW 35X7.5 RT/WS	B.91
1173800000	PRV 8 SW 35X7.5 WS/RT	B.93
1173810000	PRV 4 SW 35X15 RT	B.90
1173820000	PRV 4 SW 35X15 WS	B.90
1173830000	PRV 4 SW 35X7.5 RT	B.90
1173840000	PRV 4 SW 35X7.5 WS	B.90
1173850000	PPV 8 GR 35X15 DGR	B.93
1173870000	PPV 8 GR 35X7.5 DGR	B.93
1173880000	PPV 4 GR 35X15 DGR	B.93
1173890000	PPV 4 GR 35X7.5 DGR	B.93
1173900000	PRV 8 BL 35X15 WS/RT	B.91
1173910000	PRV 8 BL 35X7.5 WS/RT	B.91
1173920000	PRV 4 BL 35X15 WS	B.90
1173930000	PRV 4 BL 35X7.5 WS	B.90

## 1200000000

1208970000	WS 7.8/9.2 PLUS MC NE GR	B.90
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.91
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.92
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.93
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.113
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.115
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.117

## 1210000000

1211450000	PAP PRV/PPV4 GR	B.90
1211450000	PAP PRV/PPV4 GR	B.93
1211460000	PAP PRV/PPV8 GR	B.91
1211460000	PAP PRV/PPV8 GR	B.93

## 1220000000

1227850000	ZEW 35/2 GR	C.19
1227890000	WEW 35/1 GR	C.11
1227890000	WEW 35/1 GR	C.19

## 1230000000

1230050000	TW PRV4 1.4	B.90
1230050000	TW PRV4 1.4	B.93
1230060000	TW PRV4 0.3	B.90
1230060000	TW PRV4 0.3	B.93
1230070000	TW PRV4 A.D	B.90
1230070000	TW PRV4 A.D	B.93
1230080000	TW PRV8 1.8	B.91
1230080000	TW PRV8 1.8	B.93
1230090000	TW PRV8 0.7	B.91
1230090000	TW PRV8 0.7	B.93
1230110000	TW PRV8 A.H	B.91
1230110000	TW PRV8 A.H	B.93
1230120000	TW PRV16 1-16	B.92
1230130000	TW PRV16 0-15	B.92
1230140000	TW PRV16 A.P	B.92
1238040000	ZEW 35 GR	C.19

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## 1260000000

1267790000	PRV 16 BL 35X15 RT/WS	B.92
1267800000	PRV 16 BL 35X15 WS/RT	B.92
1267810000	PRV 16 BL 35X7.5 RT/WS	B.92
1267820000	PRV 16 BL 35X7.5 WS/RT	B.92
1267830000	PRV 8 BL 35X15 RT/WS	B.91
1267840000	PRV 8 BL 35X7.5 RT/WS	B.91
1267870000	PPV 8 BL 35X15 DGR	B.93
1267880000	PPV 8 BL 35X7.5 DGR	B.93
1267890000	PRV 4 BL 35X15 RT	B.90
1267900000	PRV 4 BL 35X7.5 RT	B.90
1267910000	PPV 4 BL 35X15 DGR	B.93
1267920000	PPV 4 BL 35X7.5 DGR	B.93
1267930000	BZT PRV16 BL 35X15	B.92
1267940000	BZT PRV16 BL 35X7.5	B.92
1267950000	BZT PRV8 BL 35X15	B.91
1267950000	BZT PRV8 BL 35X15	B.93
1267970000	BZT PRV8 BL 35X7.5	B.91
1267970000	BZT PRV8 BL 35X7.5	B.93
1267980000	BZT PRV4 BL 35X15	B.90
1267980000	BZT PRV4 BL 35X15	B.93
1267990000	BZT PRV4 BL 35X7.5	B.90
1267990000	BZT PRV4 BL 35X7.5	B.93
1268000000	PAP PRV/PPV8 BL	B.91
1268000000	PAP PRV/PPV8 BL	B.93
1268010000	PAP PRV/PPV4 BL	B.90
1268010000	PAP PRV/PPV4 BL	B.93
1269050000	EW 35 DB	C.19

## 1270000000

1270310000	TSLD C	C.18
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## 1280000000

1283470000	TS END CAP 35X7.5	B.12
1283470000	TS END CAP 35X7.5	C.17
1283480000	TS END CAP 35X15	B.24
1283480000	TS END CAP 35X15	C.17
1286600000	TST 2/M5	C.20

## 1300000000

1301610000	PPV 4 OR 35X15 DGR	B.93
1301620000	PPV 8 OR 35X15 DGR	B.93
1301630000	PPV 4 OR 35X7.5 DGR	B.93
1301640000	PPV 8 OR 35X7.5 DGR	B.93

## 1310000000

1313600000	NSCH 2M	C.10
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## 1370000000

1378160000	ADP 4/300	C.21
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## 1390000000

1397000000	SSCH 10X3X200 CU VERZ.	C.10
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## 1430000000

1430760000	ADP 4/1000	C.21
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## 1510000000

1513640000	APG 2.5/2	A.84
1513650000	APG 2.5/3	A.84
1513670000	APG 2.5/4	A.84
1513680000	APG 2.5/5	A.84
1513690000	APG 2.5/6	A.84
1513700000	APG 2.5/7	A.84
1513720000	APG 2.5/1	A.76
1513720000	APG 2.5/1	A.77
1513720000	APG 2.5/1	A.78
1513720000	APG 2.5/1	A.79
1513720000	APG 2.5/1	A.84
1513730000	APG 2.5/8	A.84
1513740000	APG 2.5/9	A.84
1513770000	APG 2.5/10	A.76
1513770000	APG 2.5/10	A.77
1513770000	APG 2.5/10	A.78
1513770000	APG 2.5/10	A.79
1513770000	APG 2.5/10	A.84
1513780000	APG 2.5/5-3BG-BL-GN	A.84
1513790000	APG 2.5/4-3BG-GN	A.86
1513820000	APG 2.5/3-BG-BL-GN	A.84
1513830000	APG 2.5 L	A.76
1513830000	APG 2.5 L	A.77
1513830000	APG 2.5 L	A.78
1513830000	APG 2.5 L	A.79
1513830000	APG 2.5 L	A.88
1513840000	APG 2.5 L BL	A.88
1513850000	APG 2.5 L GN	A.88
1513870000	APGTB 2.5 PE 2C/1	A.76
1513870000	APGTB 2.5 PE 2C/1	A.105
1513880000	APG 2.5 MI	A.76
1513880000	APG 2.5 MI	A.77

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1513880000	APG 2.5 MI	A.78
1513880000	APG 2.5 MI	A.79
1513880000	APG 2.5 MI	A.88
1513890000	APGTB 2.5 PE 3C/1	A.77
1513890000	APGTB 2.5 PE 3C/1	A.105
1513900000	APG 2.5 MI BL	A.88
1513920000	APGTB 2.5 PE 4C/2	A.78
1513920000	APGTB 2.5 PE 4C/2	A.105
1513930000	APG 2.5 MI GN	A.88
1513940000	APG 2.5 R	A.76
1513940000	APG 2.5 R	A.77
1513940000	APG 2.5 R	A.78
1513940000	APG 2.5 R	A.79
1513940000	APG 2.5 R	A.88
1513950000	APG 2.5 R BL	A.88
1513970000	APGTB 2.5 FT 2C/1	A.76
1513970000	APGTB 2.5 FT 2C/1	A.105
1513980000	APG 2.5 R GN	A.88
1513990000	APGTB 2.5 FT 2C/1 BL	A.76
1514000000	APGTB 2.5 FT 3C/1	A.77
1514000000	APGTB 2.5 FT 3C/1	A.105
1514020000	APGTB 2.5 FT 3C/1 BL	A.77
1514030000	APGTB 2.5 FT 4C/2	A.77
1514030000	APGTB 2.5 FT 4C/2	A.105
1514040000	APGTB 2.5 FT 4C/2 BL	A.77
1514400000	AEP 2C 2.5	A.17
1514400000	AEP 2C 2.5	A.47
1514400000	AEP 2C 2.5	A.76
1514400000	AEP 2C 2.5	A.103
1514400000	AEP 2C 2.5	B.98
1514420000	AEP 2C 2.5 BL	A.17
1514420000	AEP 2C 2.5 BL	A.76
1514420000	AEP 2C 2.5 BL	A.103
1514450000	AEP PGTB 2.5 4C/2	A.77
1514450000	AEP PGTB 2.5 4C/2	A.78
1514470000	AEP PGTB 2.5 4C/2 BL	A.77
1514490000	APGCE	A.84
1514490000	APGCE	A.85
1514490000	APGCE	A.86
1514490000	APGCE	A.89
1514490000	APGCE	B.72
151449000008	APGCE	B.77
1514500000	APGPC 2.5	A.84
1514500000	APGPC 2.5	A.86
1514500000	APGPC 2.5	A.89

## 1520000000

1521510000	AEP 3C 2.5	A.18
1521510000	AEP 3C 2.5	A.48
1521510000	AEP 3C 2.5	A.77
1521520000	AEP 3C 2.5 BL	A.18
1521520000	AEP 3C 2.5 BL	A.77
1521530000	AEP 4C 2.5	A.19
1521530000	AEP 4C 2.5	A.49
1521530000	AEP 4C 2.5	A.66
1521530000	AEP 4C 2.5	A.67
1521540000	A4C 2.5 PE	A.49
1521540000	A4C 2.5 PE	A.105
1521640000	AEP 4C 2.5 BL	A.19
1521640000	AEP 4C 2.5 BL	A.66
1521640000	AEP 4C 2.5 BL	A.67
1521670000	A3C 2.5 PE	A.48
1521670000	A3C 2.5 PE	A.60
1521670000	A3C 2.5 PE	A.105
1521680000	A2C 2.5 PE	A.47
1521680000	A2C 2.5 PE	A.105
1521690000	A4C 2.5	A.19
1521690000	A4C 2.5	A

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1527690000	ZQV 2.5N/10	A.78	1528090000	ZQV 4N/10	A.64	1552790000	A2C 1.5	A.118	1854490000	DEK 5/5 PLUS MC NE WS	A.43			
1527690000	ZQV 2.5N/10	A.79	1528090000	ZQV 4N/10	A.69	1552820000	A2C 1.5 BL	A.16	1854490000	DEK 5/5 PLUS MC NE WS	A.44			
1527690000	ZQV 2.5N/10	A.92	1528090000	ZQV 4N/10	A.71	1552820000	A2C 1.5 BL	A.118	1854490000	DEK 5/5 PLUS MC NE WS	A.47			
1527690000	ZQV 2.5N/10	A.93	1528090000	ZQV 4N/10	A.80	1552830000	A2C 1.5 OR	A.118	1854490000	DEK 5/5 PLUS MC NE WS	A.48			
1527690000	ZQV 2.5N/10	A.94	1528090000	ZQV 4N/10	A.81	<b>1610000000</b>								
1527690000	ZQV 2.5N/10	A.95	1528090000	ZQV 4N/10	A.82	1610110000	TSTW D 4.3	C.20	1854490000	DEK 5/5 PLUS MC NE WS	A.49			
1527690000	ZQV 2.5N/10	A.103	1528090000	ZQV 4N/10	A.83	<b>1720000000</b>								
1527690000	ZQV 2.5N/10	A.110	1528090000	ZQV 4N/10	A.110	1720700000	ZVQ 2.5/1.5	A.8	1854490000	DEK 5/5 PLUS MC NE WS	A.50			
1527690000	ZQV 2.5N/10	B.28	1528090000	ZQV 4N/10	B.28	1720700000	ZVQ 2.5/1.5	A.9	1854490000	DEK 5/5 PLUS MC NE WS	A.51			
1527690000	ZQV 2.5N/10	B.30	1528090000	ZQV 4N/10	B.101	1720700000	ZVQ 2.5/1.5	A.44	1854490000	DEK 5/5 PLUS MC NE WS	A.53			
1527690000	ZQV 2.5N/10	B.100	1528090000	ZQV 4N/10	B.102	1720700000	ZVQ 2.5/1.5	B.30	1854490000	DEK 5/5 PLUS MC NE WS	A.54			
1527690000	ZQV 2.5N/10	B.101	1528090000	ZQV 4N/10	B.122	1724580000	FM 4.2/TS35	C.20	1854490000	DEK 5/5 PLUS MC NE WS	A.57			
1527690000	ZQV 2.5N/10	B.112	1528090000	ZQV 4N/10	B.123	<b>1740000000</b>								
1527690000	ZQV 2.5N/10	B.118	1528120000	ZQV 4N/4 BL	A.110	1747350000	TS 35X7.5 2M/CRN	C.16	1854490000	DEK 5/5 PLUS MC NE WS	A.58			
1527690000	ZQV 2.5N/10	B.119	1528130000	ZQV 4N/5 BL	A.110	<b>1770000000</b>								
1527690000	ZQV 2.5N/10	B.120	1528140000	ZQV 4N/5 BL	A.110	1779100000	TSTW 5/M5 ZN	C.20	1854490000	DEK 5/5 PLUS MC NE WS	A.59			
1527690000	ZQV 2.5N/10	B.121	1528170000	ZQV 4N/6 BL	A.110	<b>1790000000</b>								
1527690000	ZQV 2.5N/10	B.124	1528180000	ZQV 4N/7 BL	A.110	1792000000	WS 10/5 M MC NE WS	A.84	1854490000	DEK 5/5 PLUS MC NE WS	A.60			
1527690000	ZQV 2.5N/10	B.125	1528190000	ZQV 4N/8 BL	A.110	1792000000	WS 10/5 M MC NE WS	A.86	1854490000	DEK 5/5 PLUS MC NE WS	A.61			
1527690000	ZQV 2.5N/10	B.126	1528220000	ZQV 4N/9 BL	A.110	<b>1800000000</b>								
1527690000	ZQV 2.5N/10	B.127	1528230000	ZQV 4N/10 BL	A.110	1802690000	TS 27X12.5M/ST/FZN	C.15	1854490000	DEK 5/5 PLUS MC NE WS	A.62			
1527720000	ZQV 2.5N/20	A.110	1528230000	ZQV 4N/10 BL	B.48	1805610000	MEW 35/1	C.19	1854490000	DEK 5/5 PLUS MC NE WS	A.63			
1527730000	ZQV 2.5N/50	A.110	1528230000	ZQV 4N/10 BL	B.49	1805880000	SNAPMARK I	A.8	1854490000	DEK 5/5 PLUS MC NE WS	A.64			
1527740000	ZQV 2.5N/2 BL	A.110	1528230000	ZQV 4N/10 BL	B.50	1805880000	SNAPMARK I	A.9	1854490000	DEK 5/5 PLUS MC NE WS	A.65			
1527740000	ZQV 2.5N/2 BL	B.42	1528230000	ZQV 4N/10 BL	B.52	1805880000	SNAPMARK I	A.12	1854490000	DEK 5/5 PLUS MC NE WS	A.66			
1527740000	ZQV 2.5N/2 BL	B.43	1528230000	ZQV 4N/10 BL	B.53	1805880000	SNAPMARK I	A.38	1854490000	DEK 5/5 PLUS MC NE WS	A.67			
1527740000	ZQV 2.5N/2 BL	B.44	1528240000	ZQV 4N/50 BL	A.110	1805880000	SNAPMARK I	A.39	1854490000	DEK 5/5 PLUS MC NE WS	A.68			
1527740000	ZQV 2.5N/2 BL	B.45	<b>1540000000</b>						1805880000	SNAPMARK I	A.42	1854490000	DEK 5/5 PLUS MC NE WS	A.69
1527740000	ZQV 2.5N/2 BL	B.116	1547610000	A2T 2.5	A.34	1805880000	SNAPMARK I	A.43	1854490000	DEK 5/5 PLUS MC NE WS	A.70			
1527770000	ZQV 2.5N/3 BL	B.116	1547610000	A2T 2.5	A.105	1805880000	SNAPMARK I	A.12	1854490000	DEK 5/5 PLUS MC NE WS	A.71			
1527780000	ZQV 2.5N/4 BL	A.110	1547620000	A2T 2.5 BL	A.34	1805880000	SNAPMARK I	A.38	1854490000	DEK 5/5 PLUS MC NE WS	A.72			
1527780000	ZQV 2.5N/4 BL	B.116	1547640000	A2T 2.5 FT-PE	A.35	1805880000	SNAPMARK I	A.39	1854490000	DEK 5/5 PLUS MC NE WS	A.73			
1527790000	ZQV 2.5N/5 BL	A.110	1547650000	A2T 2.5 VL	A.35	1805880000	SNAPMARK I	A.42	1854490000	DEK 5/5 PLUS MC NE WS	A.74			
1527820000	ZQV 2.5N/6 BL	A.110	1547660000	A2T 2.5 VL BL	A.35	1805880000	SNAPMARK I	A.43	1854490000	DEK 5/5 PLUS MC NE WS	A.75			
1527830000	ZQV 2.5N/7 BL	A.110	1547680000	A2T 2.5 PE	A.57	1805880000	SNAPMARK I	A.58	1854490000	DEK 5/5 PLUS MC NE WS	A.76			
1527840000	ZQV 2.5N/8 BL	A.110	1547680000	A2T 2.5 PE	A.105	1805880000	SNAPMARK I	A.59	1854490000	DEK 5/5 PLUS MC NE WS	A.77			
1527870000	ZQV 2.5N/9 BL	A.110	1547690000	AEP 2T 2.5	A.34	1805880000	SNAPMARK I	A.78	1854490000	DEK 5/5 PLUS MC NE WS	A.78			
1527880000	ZQV 2.5N/10 BL	A.110	1547690000	AEP 2T 2.5	A.35	1805880000	SNAPMARK I	A.78	1854490000	DEK 5/5 PLUS MC NE WS	A.79			
1527880000	ZQV 2.5N/10 BL	B.42	1547690000	AEP 2T 2.5	A.36	1805880000	SNAPMARK I	A.79	1854490000	DEK 5/5 PLUS MC NE WS	A.80			
1527880000	ZQV 2.5N/10 BL	B.43	1547690000	AEP 2T 2.5	A.37	1805880000	SNAPMARK I	A.82	1854490000	DEK 5/5 PLUS MC NE WS	A.81			
1527880000	ZQV 2.5N/10 BL	B.44	1547690000	AEP 2T 2.5	A.36	1805880000	SNAPMARK I	A.83	1854490000	DEK 5/5 PLUS MC NE WS	A.82			
1527880000	ZQV 2.5N/10 BL	B.45	1547690000	AEP 2T 2.5	A.57	1805880000	SNAPMARK I	A.82	1854490000	DEK 5/5 PLUS MC NE WS	A.83			
1527880000	ZQV 2.5N/10 BL	B.116	1547690000	AEP 2T 2.5	A.78	1805880000	SNAPMARK I	A.83	1854490000	DEK 5/5 PLUS MC NE WS	A.84			
1527890000	ZQV 2.5N/20 BL	A.110	1547690000	AEP 2T 2.5	A.79	1805880000	SNAPMARK I	A.83	1854490000	DEK 5/5 PLUS MC NE WS	A.85			
1527920000	ZQV 2.5N/50 BL	A.110	1547690000	AEP 2T 2.5	A.92	1805880000	SNAPMARK I	A.82	1854490000	DEK 5/5 PLUS MC NE WS	A.86			
1527930000	ZQV 4N/2	A.7	1547690000	AEP 2T 2.5	A.93	1805880000	SNAPMARK I	A.79	1854490000	DEK 5/5 PLUS MC NE WS	A.87			
1527930000	ZQV 4N/2	A.8	1547690000	AEP 2T 2.5	A.94	1805880000	SNAPMARK I	A.82	1854490000	DEK 5/5 PLUS MC NE WS	A.88			
1527930000	ZQV 4N/2	A.19	1547690000	AEP 2T 2.5	A.95	1805880000	SNAPMARK I	A.83	1854490000	DEK 5/5 PLUS MC NE WS	A.89			
1527930000	ZQV 4N/2	A.20	1547700000	AEP 2T 2.5 BL	A.34	1805880000	SNAPMARK I	A.93	1854490000	DEK 5/5 PLUS MC NE WS	A.90			
1527930000	ZQV 4N/2	A.21	1547700000	AEP 2T 2.5 BL	A.35	1805880000	SNAPMARK I	A.94	1854490000	DEK 5/5 PLUS MC NE WS	A.91			
1527930000	ZQV 4N/2	A.27	1547700000	AEP 2T 2.5 BL	A.36	1805880000	SNAPMARK I	A.95	1854490000	DEK 5/5 PLUS MC NE WS	A.92			
1527930000	ZQV 4N/2	A.38	1547700000	AEP 2T 2.5 BL	A.37	1805880000	SNAPMARK I	A.117	1854490000	DEK 5/5 PLUS MC NE WS	A.93			
1527930000	ZQV 4N/2	A.39	1547700000	AEP 2T 2.5 BL	A.78	1805880000	SNAPMARK I	B.30	1854490000	DEK 5/5 PLUS MC NE WS	A.94			
1527930000	ZQV 4N/2	A.61	1547700000	AEP 2T 2.5 BL	A.79	1805880000	TS 35X15/6X18 2M/ST/ZN	C.17	1854490000	DEK 5/5 PLUS MC NE WS	A.95			
1527930000	ZQV 4N/2	A.62	1548060000	APGTB 2.5 2T 4C/2	A.78	<b>1810000000</b>								
1527930000	ZQV 4N/2	A.63	1548060000	APGTB 2.5 2T 4C/2	A.105	1818400000	WS 10/6 M MC NE WS	A.85	1854490000	DEK 5/5 PLUS MC NE WS	A.96			
1527930000	ZQV 4N/2	A.64	1548070000	APGTB 2.5 2T 4C/2 BL	A.78	<b>1830000000</b>								
1527930000	ZQV 4N/2	A.69	1548130000	APGTB 2.5 2T FT-PE 4C/2	A.79	1833090000	TNST	A.70	1854490000	DEK 5/5 PLUS MC NE WS	A.97			
1527930000	ZQV 4N/2	A.71	1548140000	APGTB 2.5 2T VL 4C/2	A.79	1833090000	TNST	A.71	1854490000	DEK 5/5 PLUS MC NE WS	A.98			
1527930000	ZQV 4N/2	A.80	1548150000	APGTB 2.5 2T VL 4C/2 BL	A.79	1833100000	BEST	A.70	1854490000	DEK 5/5 PLUS MC NE WS	A.99			
1527930000	ZQV 4N/2	A.81	1548160000	APGTB 2.5 2T PE 4C/2	A.79	1833100000	BEST	A.71	1854490000	DEK 5/5 PLUS MC NE WS	A.100			
1527930000	ZQV 4N/2	A.82	1548160000	APGTB 2.5 2T PE 4C/2	A.105	1833100000	BEST	B.124	1854490000	DEK 5/5 PLUS MC NE WS	A.101			
1527930000	ZQV 4N/2	A.83	<b>1550000000</b>						1833100000	BEST	B.125	1854490000	DEK 5/5 PLUS MC NE WS	A.102
1527930000	ZQV 4N/2	A.110	1552600000	AEP 2C 1.5	A.16	1833100000	BEST	B.126	1854490000	DEK 5/5 PLUS MC NE WS	A.103			
1527930000	ZQV 4N/2	B.28	1552600000	AEP 2C 1.5	A.46	1833100000	BEST	B.126	1854490000	DEK 5/5 PLUS MC NE WS	A.104			
1527930000	ZQV 4N/2	B.101	1552600000	AEP 2C 1.5	A.72	1833100000	BEST	B.127	1854490000	DEK 5/5 PLUS MC NE WS	A.105			
1527930000	ZQV 4N/2	B.102	1552610000	AEP 2C 1.5 BL	A.16	1833100000	BEST	B.127	1854490000	DEK 5/5 PLUS MC NE WS	A.106			
1527930000	ZQV 4N/2	B.122	1552610000	AEP 2C 1.5 BL	A.72	1837380000	TS 35X15/5X18 2M/ST/ZN	C.17	1854490000	DEK 5/5 PLUS MC NE WS	A.107			
1527940000	ZQV 4N/3	A.110	1552620000	AEP 3C 1.5	A.16	<b>1840000000</b>								
1527940000	ZQV 4N/3	B.122	1552620000	AEP 3C 1.5	A.46	1848290000	TS 35X15/2.3 2M/AL/BK	C.17	1854490000	DEK 5/5 PLUS MC NE WS	A.108			
1527940000	ZQV 4N/3	B.123	1552620000	AEP 3C 1.5	A.73	<b>1850000000</b>								
1527970000	ZQV 4N/4	A.110	1552630000	AEP 3C 1.5 BL	A.16	1853940000	VDS180 SVT 62	A.65	1854490000	DEK 5/5 PLUS MC NE WS	A.109			
1527970000	ZQV 4N/4	B.122	1552630000	AEP 3C 1.5 BL	A.73	1854490000	DEK 5/5 PLUS MC NE WS	A.6	1854490000	DEK 5/5 PLUS MC NE WS	A.110			
1527970000	ZQV 4N/4	B.123	1552640000	AEP 4C 1.5	A.17	1854490000	DEK 5/5 PLUS MC NE WS	A.7	1854490000	DEK 5/5 PLUS MC NE WS	A.111			
1527980000	ZQV 4N/5	A.110	1552640000	AEP 4C 1.5	A.47	1854490000	DEK 5/5 PLUS MC NE WS	A.8	1854490000	DEK 5/5 PLUS MC NE WS	A.112			
1527990000	ZQV 4N/6	A.110	1552640000	AEP 4C 1.5	A.17	1854490000	DEK 5/5 PLUS MC NE WS	A.9	1854490000	DEK 5/5 PLUS MC NE WS	A.113			
1528020000	ZQV 4N/7	A.110	1552650000	AEP 4C 1.5 BL	A.17	1854490000	DEK 5/5 PLUS MC NE WS	A.10	1854490000	DEK 5/5 PLUS MC NE WS	A.114			
1528030000	ZQV 4N/8	A.110	1552650000	AEP 4C 1.5 BL	A.47	1854490000	DEK 5/5 PLUS MC NE WS	A.11	1854490000	DEK 5/5 PLUS MC NE WS	A.115			
1528040000	ZQV 4N/2 BL	A.110	1552660000	A4C 1.5 PE	A.47	1854490000	DEK 5/5 PLUS MC NE WS	A.12	1854490000	DEK 5/5 PLUS MC NE WS	A.116			
1528040000	ZQV 4N/2 BL	B.48	1552660000	A4C 1.5 PE	A.105	1854490000	DEK 5/5 PLUS MC NE WS	A.17	1854490000	DEK 5/5 PLUS MC NE WS	A.117			
1528040000	ZQV 4N/2 BL	B.49	1552670000	A3C 1.5 PE	A.46	1854490000	DEK 5/5 PLUS MC NE WS	A.18	1854490000	DEK 5/5 PLUS MC NE WS	A.118			
1528040000	ZQV 4N/2 BL	B.50	1552670000	A3C 1.5 PE	A.105	1854490000	DEK 5/5 PLUS MC NE WS	A.19	1854490000	DEK 5/5 PLUS MC NE WS	A.119			
1528040000	ZQV 4N/2 BL	B.50	1552680000	A2C 1.5 PE	A.46	1854490000	DEK 5/5 PLUS MC NE WS	A.25	1854490000	DEK 5/5 PLUS MC NE WS	A.120			
1528040000	ZQV 4N/2 BL	B.52	1552680000	A2C 1.5 PE	A.105	1854490000	DEK 5/5 PLUS MC NE WS	A.26	1854490000					

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1905950000	WS 10/8 PLUS MC NE WS	B.42
1905950000	WS 10/8 PLUS MC NE WS	B.43
1905950000	WS 10/8 PLUS MC NE WS	B.44
1905950000	WS 10/8 PLUS MC NE WS	B.48
1905950000	WS 10/8 PLUS MC NE WS	B.49
1905950000	WS 10/8 PLUS MC NE WS	B.52
1905950000	WS 10/8 PLUS MC NE WS	B.99
1905950000	WS 10/8 PLUS MC NE WS	B.102

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1951880000	WS 8/6 PLUS MC NE WS	B.113
1951880000	WS 8/6 PLUS MC NE WS	B.117
1951880000	WS 8/6 PLUS MC NE WS	B.122
1951880000	WS 8/6 PLUS MC NE WS	B.123

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1985410000	ZQV 1.5N/2	A.17
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1985410000	ZQV 1.5N/2	A.32
1985410000	ZQV 1.5N/2	A.33
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1985410000	ZQV 1.5N/2	A.41
1985410000	ZQV 1.5N/2	A.72
1985410000	ZQV 1.5N/2	A.73
1985410000	ZQV 1.5N/2	A.74
1985410000	ZQV 1.5N/2	A.75
1985410000	ZQV 1.5N/2	A.110
1985410000	ZQV 1.5N/2	B.28
1985410000	ZQV 1.5N/2	B.131
1985480000	ZQV 1.5N/3	A.110
1985490000	ZQV 1.5N/4	A.110
1985500000	ZQV 1.5N/5	A.110
1985510000	ZQV 1.5N/6	A.110
1985520000	ZQV 1.5N/7	A.110
1985530000	ZQV 1.5N/2 BL	A.110
1985530000	ZQV 1.5N/2 BL	B.36
1985530000	ZQV 1.5N/2 BL	B.37
1985530000	ZQV 1.5N/2 BL	B.38
1985530000	ZQV 1.5N/2 BL	B.39
1985530000	ZQV 1.5N/2 BL	B.86
1985530000	ZQV 1.5N/2 BL	B.87
1985540000	ZQV 1.5N/8	A.110
1985550000	ZQV 1.5N/3 BL	A.110
1985560000	ZQV 1.5N/9	A.110
1985570000	ZQV 1.5N/4 BL	A.110
1985580000	ZQV 1.5N/10	A.16
1985580000	ZQV 1.5N/10	A.17
1985580000	ZQV 1.5N/10	A.24
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1985580000	ZQV 1.5N/10	A.73
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1985580000	ZQV 1.5N/10	A.75
1985580000	ZQV 1.5N/10	A.110
1985580000	ZQV 1.5N/10	B.128
1985580000	ZQV 1.5N/10	B.131
1985590000	ZQV 1.5N/5 BL	A.110
1985600000	ZQV 1.5N/20	A.110
1985610000	ZQV 1.5N/6 BL	A.110
1985620000	ZQV 1.5N/50	A.110
1985630000	ZQV 1.5N/7 BL	A.110
1985640000	ZQV 1.5N/8 BL	A.110
1985650000	ZQV 1.5N/2 RD	A.110
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1985650000	ZQV 1.5N/2 RD	B.41
1985650000	ZQV 1.5N/2 RD	B.86
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1985670000	ZQV 1.5N/3 RD	A.110
1985680000	ZQV 1.5N/10 BL	A.110
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1985680000	ZQV 1.5N/10 BL	B.38
1985680000	ZQV 1.5N/10 BL	B.39
1985680000	ZQV 1.5N/10 BL	B.86
1985680000	ZQV 1.5N/10 BL	B.87
1985690000	ZQV 1.5N/4 RD	A.110
1985700000	ZQV 1.5N/20 BL	A.110
1985710000	ZQV 1.5N/5 RD	A.110
1985720000	ZQV 1.5N/50 BL	A.110
1985730000	ZQV 1.5N/6 RD	A.110
1985740000	ZQV 6N/2	A.22
1985740000	ZQV 6N/2	A.23
1985740000	ZQV 6N/2	A.27
1985740000	ZQV 6N/2	A.111
1985740000	ZQV 6N/2	B.28
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1985740000	ZQV 6N/2	B.112
1985750000	ZQV 1.5N/7 RD	A.110
1985760000	ZQV 6N/3	A.22
1985760000	ZQV 6N/3	A.23
1985760000	ZQV 6N/3	A.111
1985760000	ZQV 6N/3	B.102
1985770000	ZQV 1.5N/8 RD	A.110
1985780000	ZQV 6N/4	A.22
1985780000	ZQV 6N/4	A.23
1985780000	ZQV 6N/4	A.111
1985780000	ZQV 6N/4	B.28
1985780000	ZQV 6N/4	B.75
1985780000	ZQV 6N/4	B.102
1985780000	ZQV 6N/4	B.102
1985790000	ZQV 1.5N/9 RD	A.110
1985800000	ZQV 1.5N/10 RD	A.110
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1985800000	ZQV 1.5N/10 RD	B.37
1985800000	ZQV 1.5N/10 RD	B.38
1985800000	ZQV 1.5N/10 RD	B.39
1985800000	ZQV 1.5N/10 RD	B.40
1985800000	ZQV 1.5N/10 RD	B.41
1985800000	ZQV 1.5N/10 RD	B.86
1985800000	ZQV 1.5N/10 RD	B.87
1985810000	ZQV 1.5N/20 RD	A.110
1985820000	ZQV 1.5N/50 RD	A.110
1985830000	ZQV 6N/2 BL	A.111
1985830000	ZQV 6N/2 BL	B.116
1985840000	ZQV 6N/3 BL	A.111
1985850000	ZQV 6N/4 BL	A.111
1985810000	ZQV 1.5N/20 RD	A.110
1985820000	ZQV 1.5N/50 RD	A.110
1985830000	ZQV 6N/2 BL	A.111
1985830000	ZQV 6N/2 BL	B.116
1985840000	ZQV 6N/3 BL	A.111
1985850000	ZQV 6N/4 BL	A.111
1988100000	AAP12 2.5 LI BL	B.43
1988130000	AAP11 6 LO BL	B.36
1988140000	AAP11 6 FE	B.36
1988160000	AAP11 1.5 LI RD	B.37
1988170000	AAP11 1.5 LI BL	B.37
1988180000	AAP12 10 LO BL	B.42
1988190000	AAP12 10 LO RD	B.42
1988200000	AAP12 10 FE	B.42
1988230000	AAP14 2.5 LHJ	B.45
1988240000	AAP14 10 FE LO	B.44
1988250000	AAP14 10 LO LO	B.44
1988260000	AAP13 6 LO LO	B.38
1988270000	AAP13 6 FE LO	B.38
1988280000	AAP13 1.5 LHJ	B.39
1988290000	AAP12 2.5 LI RD	B.43
1988300000	AEP AP12	B.42
1988300000	AEP AP12	B.43
1988320000	AEP AP11	B.36
1988320000	AEP AP11	B.37
1988340000	AEP AP14	B.44
1988340000	AEP AP14	B.45
1989780000	AAP11 6 LO RD	B.36
1989800000	ADT 2.5 2C	A.60
1989800000	ADT 2.5 2C	A.66
1989800000	ADT 2.5 2C	A.105
1989810000	ADT 2.5 2C BL	A.66
1989830000	ADT 2.5 3C	A.67
1989830000	ADT 2.5 3C	A.105
1989840000	ADT 2.5 3C BL	A.67
1989860000	ADT 2.5 4C	A.68
1989860000	ADT 2.5 4C	A.105
1989870000	ADT 2.5 4C BL	A.68
1989890000	A2C 2.5 PE/DT/FS	A.60
1989890000	A2C 2.5 PE/DT/FS	A.67
1989890000	A2C 2.5 PE/DT/FS	A.105
1989900000	A2C 2.5 /DT/FS	A.60
1989900000	A2C 2.5 /DT/FS	A.67
1989900000	A2C 2.5 /DT/FS	A.105
1989910000	A2C 2.5 /DT/FS BL	A.67
1989930000	ADT 2.5 2C W/O DTLV	A.66
1989940000	ADT 2.5 3C W/O DTLV	A.68
1989950000	ADT 2.5 4C W/O DTLV	A.69
1989970000	AEP DT 2.5 3C	A.67
1989970000	AEP DT 2.5 3C	A.68
1989980000	AEP DT 2.5 4C	A.68
1989980000	AEP DT 2.5 4C	A.69

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1990140000	AEP AP13	B.38
1990140000	AEP AP13	B.39
1991780000	ALO 6	A.24
1991790000	A2C 6 BL	A.22
1991790000	A2C 6 BL	A.118
1991800000	A2C 6 OR	A.118
1991810000	A2C 6 PE	A.52
1991810000	A2C 6 PE	A.105
1991820000	A3C 6	A.22
1991820000	A3C 6	A.105
1991820000	A3C 6	A.118
1991830000	A3C 6 BL	A.22
1991830000	A3C 6 BL	A.118
1991840000	A3C 6 OR	A.118
1991850000	A3C 6 PE	A.52
1991850000	A3C 6 PE	A.105
1991860000	ATPG 4 MI-R	A.7
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1991860000	ATPG 4 MI-R	A.51
1991860000	ATPG 4 MI-R	A.58
1991860000	ATPG 4 MI-R	A.69
1991860000	ATPG 4 MI-R	A.71
1991860000	ATPG 4 MI-R	A.115
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1991860000	ATPG 4 MI-R	B.101
1991860000	ATPG 4 MI-R	B.102
1991860000	ATPG 4 MI-R	B.122
1991860000	ATPG 4 MI-R	B.123
1991870000	ATPG 10 MI-R	A.25
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1991880000	ATPG 1.5 MI-R	A.16
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1991890000	ATPG 1.5-10 L	A.6
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1991890000	ATPG 1.5-10 L	A.40
1991890000	ATPG 1.5-10 L	A.41
1991890000	ATPG 1.5-10 L	A.42
1991890000	ATPG 1.5-10 L	A.43
1991890000	ATPG 1.5-10 L	A.46
1991890000	ATPG 1.5-10 L	A.47
1991890000	ATPG 1.5-10 L	A.48
1991890000	ATPG 1.5-10 L	A.49
1991890000	ATPG 1.5-10 L	A.50
1991890000	ATPG 1.5-10 L	A.51
1991890000	ATPG 1.5-10 L	A.52
1991890000	ATPG 1.5-10 L	A.53
1991890000	ATPG 1.5-10 L	A.54
1991890000	ATPG 1.5-10 L	A.55
1991890000	ATPG 1.5-10 L	A.56
1991890000	ATPG 1.5-10 L	A.57
1991890000	ATPG 1.5-10 L	A.58
1991890000	ATPG 1.5-10 L	A.59
1991890000	ATPG 1.5-10 L	B.8
1991890000	ATPG 1.5-10 L	B.9
1991890000	ATPG 1.5-10 L	B.10
1991890000	ATPG 1.5-10 L	B.11
1991890000	ATPG 1.5-10 L	B.12
1991890000	ATPG 1.5-10 L	B.16
1991890000	ATPG 1.5-10 L	B.17
1991890000	ATPG 1.5-10 L	B.18
1991890000	ATPG 1.5-10 L	B.19
1991890000	ATPG 1.5-10 L	B.20
1991890000	ATPG 1.5-10 L	B.21





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2007150000	WS 8/5 MM WS	A.78
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2007150000	WS 8/5 MM WS	A.84
2007150000	WS 8/5 MM WS	A.86
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2007150000	WS 8/5 MM WS	B.45
2007150000	WS 8/5 MM WS	B.46
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2007150000	WS 8/5 MM WS	B.98
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2007160000	WS 8/6 MM WS	A.11
2007160000	WS 8/6 MM WS	A.12
2007160000	WS 8/6 MM WS	A.19
2007160000	WS 8/6 MM WS	A.20
2007160000	WS 8/6 MM WS	A.21
2007160000	WS 8/6 MM WS	A.49
2007160000	WS 8/6 MM WS	A.50
2007160000	WS 8/6 MM WS	A.51
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2007160000	WS 8/6 MM WS	A.61
2007160000	WS 8/6 MM WS	A.62
2007160000	WS 8/6 MM WS	A.63
2007160000	WS 8/6 MM WS	A.64
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2007160000	WS 8/6 MM WS	B.50
2007160000	WS 8/6 MM WS	B.53
2007160000	WS 8/6 MM WS	B.99
2007160000	WS 8/6 MM WS	B.101
2007160000	WS 8/6 MM WS	B.102

## 2030000000

2035590000	MCV APG 2.5	A.84
2035590000	MCV APG 2.5	A.86
2035590000	MCV APG 2.5	A.88

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2041180000	ATPG 2.5/5	A.6
2041180000	ATPG 2.5/5	A.7
2041180000	ATPG 2.5/5	A.8
2041180000	ATPG 2.5/5	A.9
2041180000	ATPG 2.5/5	A.10
2041180000	ATPG 2.5/5	A.11
2041180000	ATPG 2.5/5	A.17
2041180000	ATPG 2.5/5	A.18
2041180000	ATPG 2.5/5	A.19
2041180000	ATPG 2.5/5	A.34
2041180000	ATPG 2.5/5	A.35
2041180000	ATPG 2.5/5	A.36
2041180000	ATPG 2.5/5	A.37
2041180000	ATPG 2.5/5	A.42
2041180000	ATPG 2.5/5	A.43
2041180000	ATPG 2.5/5	A.44
2041180000	ATPG 2.5/5	A.47
2041180000	ATPG 2.5/5	A.48
2041180000	ATPG 2.5/5	A.49
2041180000	ATPG 2.5/5	A.66
2041180000	ATPG 2.5/5	A.67
2041180000	ATPG 2.5/5	A.68
2041180000	ATPG 2.5/5	A.69
2041180000	ATPG 2.5/5	A.103
2041180000	ATPG 2.5/5	A.115
2041180000	ATPG 2.5/5	B.98
2041180000	ATPG 2.5/5	B.100
2041180000	ATPG 2.5/5	B.101
2041180000	ATPG 2.5/5	B.112
2041180000	ATPG 2.5/5	B.116
2041180000	ATPG 2.5/5	B.118
2041180000	ATPG 2.5/5	B.119
2041180000	ATPG 2.5/5	B.120
2041180000	ATPG 2.5/5	B.121
2041190000	ATPG 2.5/3	A.6
2041190000	ATPG 2.5/3	A.7
2041190000	ATPG 2.5/3	A.8
2041190000	ATPG 2.5/3	A.9
2041190000	ATPG 2.5/3	A.10
2041190000	ATPG 2.5/3	A.11
2041190000	ATPG 2.5/3	A.17
2041190000	ATPG 2.5/3	A.18
2041190000	ATPG 2.5/3	A.19

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2041190000	ATPG 2.5/3	A.35
2041190000	ATPG 2.5/3	A.36
2041190000	ATPG 2.5/3	A.37
2041190000	ATPG 2.5/3	A.42
2041190000	ATPG 2.5/3	A.43
2041190000	ATPG 2.5/3	A.47
2041190000	ATPG 2.5/3	A.48
2041190000	ATPG 2.5/3	A.49
2041190000	ATPG 2.5/3	A.66
2041190000	ATPG 2.5/3	A.67
2041190000	ATPG 2.5/3	A.68
2041190000	ATPG 2.5/3	A.69
2041190000	ATPG 2.5/3	A.103
2041190000	ATPG 2.5/3	A.115
2041190000	ATPG 2.5/3	B.98
2041190000	ATPG 2.5/3	B.100
2041190000	ATPG 2.5/3	B.101
2041190000	ATPG 2.5/3	B.112
2041190000	ATPG 2.5/3	B.116
2041190000	ATPG 2.5/3	B.118
2041190000	ATPG 2.5/3	B.119
2041190000	ATPG 2.5/3	B.120
2041190000	ATPG 2.5/3	B.121

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2051180000	A2C 4	A.19
2051180000	A2C 4	A.105
2051180000	A2C 4	A.118
2051210000	A2C 4 BL	A.19
2051210000	A2C 4 BL	A.118
2051220000	A2C 4 RD	A.118
2051230000	A2C 4 DR	A.118
2051240000	A3C 4	A.20
2051240000	A3C 4	A.61
2051240000	A3C 4	A.62
2051240000	A3C 4	A.105
2051240000	A3C 4	A.118
2051250000	A2C 4 YL	A.118
2051260000	A2C 4 GN	A.118
2051280000	A3C 4 BL	A.20
2051280000	A3C 4 BL	A.118
2051290000	A2C 4 WT	A.118
2051300000	A3C 4 RD	A.118
2051310000	A2C 4 BK	A.118
2051320000	A3C 4 DR	A.118
2051330000	A2C 4 LTGY	A.118
2051340000	A3C 4 YL	A.118
2051350000	A3C 4 GN	A.118
2051360000	A2C 4 PE	A.49
2051360000	A2C 4 PE	A.105
2051370000	A3C 4 WT	A.118
2051400000	A3C 4 BK	A.118
2051410000	A3C 4 PE	A.50
2051410000	A3C 4 PE	A.61
2051410000	A3C 4 PE	A.62
2051410000	A3C 4 PE	A.105
2051460000	A3C 4 LTGY	A.118
2051500000	A4C 4	A.21
2051500000	A4C 4	A.105
2051500000	A4C 4	A.118
2051520000	A4C 4 BL	A.21
2051520000	A4C 4 BL	A.118
2051530000	A4C 4 RD	A.118
2051540000	A4C 4 DR	A.118
2051550000	A4C 4 YL	A.118
2051560000	A4C 4 PE	A.51
2051560000	A4C 4 PE	A.105
2051580000	A4C 4 GN	A.118
2051610000	A4C 4 WT	A.118
2051660000	A4C 4 BK	A.118
2051670000	A4C 4 LTGY	A.118
2051680000	AEP 2C 4	A.19
2051680000	AEP 2C 4	A.49
2051680000	AEP 2C 4	A.80
2051680000	AEP 2C 4	B.99
2051690000	AEP 2C 4 BL	A.19
2051690000	AEP 2C 4 BL	A.80
2051720000	AEP 3C 4	A.20
2051720000	AEP 3C 4	A.50
2051720000	AEP 3C 4	A.81
2051880000	AEP 3C 4 BL	A.20
2051880000	AEP 3C 4 BL	A.81
2051900000	AEP 4C 4	A.21
2051900000	AEP 4C 4	A.51
2051900000	AEP 4C 4	A.69
2051910000	AEP 4C 4 BL	A.21
2051910000	AEP 4C 4 BL	A.69

## 2060000000

2065120000	ALO 6 BL	A.24
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## 2100000000

2108470000	ZQV 2.5N/2 RD	A.110
2108470000	ZQV 2.5N/2 RD	B.42
2108470000	ZQV 2.5N/2 RD	B.43

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2108470000	ZQV 2.5N/2 RD	B.46
2108470000	ZQV 2.5N/2 RD	B.47
2108690000	ZQV 2.5N/3 RD	A.110
2108700000	ZQV 2.5N/4 RD	A.110
2108710000	ZQV 2.5N/5 RD	A.110
2108720000	ZQV 2.5N/6 RD	A.110
2108810000	ZQV 2.5N/7 RD	A.110
2108870000	ZQV 2.5N/8 RD	A.110
2108900000	ZQV 2.5N/9 RD	A.110
2108910000	ZQV 2.5N/10 RD	A.110
2108910000	ZQV 2.5N/10 RD	B.42
2108910000	ZQV 2.5N/10 RD	B.43
2108910000	ZQV 2.5N/10 RD	B.44
2108910000	ZQV 2.5N/10 RD	B.45
2108910000	ZQV 2.5N/10 RD	B.46
2108910000	ZQV 2.5N/10 RD	B.47
2108920000	ZQV 2.5N/20 RD	A.110
2109000000	ZQV 2.5N/50 RD	A.110

## 2120000000

2123000000	AMG PP	B.59
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2428510000	A3T 2.5	A.42
2428520000	A3T 2.5 BL	A.42
2428530000	A3T 2.5 FT-FT-PE	A.43
2428540000	A3T 2.5 VL	A.42
2428550000	A3T 2.5 PE	A.59
2428560000	AEP 3T 2.5	A.34
2428560000	AEP 3T 2.5	A.42
2428560000	AEP 3T 2.5	A.43
2428560000	AEP 3T 2.5	A.59
2428840000	A3T 2.5 N-FT-PE	A.43
2428850000	A3T 2.5 VL BL	A.42
2428860000	AEP 3T 2.5 BL	A.34
2428860000	AEP 3T 2.5 BL	A.42
2428860000	AEP 3T 2.5 BL	A.43
2428910000	AAP21 10 LD RD	B.48
2428920000	AAP21 10 FE	B.48
2428930000	AAP21 4 LI RD	B.49
2428940000	AAP21 10 LD BL	B.48
2428950000	AAP21 4 FS	B.50
2428960000	AAP21 4 LI BL	B.49
2428980000	AAP21 4 DT	B.50
2428990000	AAP22 10 LD LD	B.52
2429000000	AAP22 10 FE LD	B.52
2429010000	AAP22 4 LI FS	B.53
2429020000	AEP AP21	B.48
2429020000	AEP AP21	B.49
2429020000	AEP AP21	B.50
2429040000	AEP AP22	B.52
2429040000	AEP AP22	B.53
2429850000	ADT 4 2C	A.69
2429850000	ADT 4 2C	A.105
2429860000	AFS 4 2C BK	A.61
2429860000	AFS 4 2C BK	A.105
2429870000	AFS 4 2C 100-36V BK	A.61
2429880000	ADT 4 2C BL	A.69

## 2430000000

2433820000	AEP MC 2.5	A.44
2433820000	AEP MC 2.5	B.30
2434340000	AMC 2.5	A.44
2434340000	AMC 2.5	B.30
2434350000	AFS 4 2C 30-70V BK	A.61
2434370000	AMC 2.5 800V	A.44
2434370000	AMC 2.5 800V	B.30
2434380000	AFS 4 2C 60-150V BK	A.61
2434390000	AFS 4 2C 100-250V BK	A.61

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2448860000	DEK A 5/8 MM WS	A.22
2448860000	DEK A 5/8 MM WS	A.23
2448860000	DEK A 5/8 MM WS	A.24
2448860000	DEK A 5/8 MM WS	A.52
2448860000	DEK A 5/8 MM WS	A.53
2448860000	DEK A 5/8 MM WS	B.36
2448860000	DEK A 5/8 MM WS	B.37
2448860000	DEK A 5/8 MM WS	B.38
2448860000	DEK A 5/8 MM WS	B.39
2448860000	DEK A 5/8 MM WS	B.67
2448860000	DEK A 5/8 MM WS	B.69
2448860000	DEK A 5/8 MM WS	B.99
2448860000	DEK A 5/8 MM WS	B.102
2448930000	WS-A 8/8 MM WS	A.22
2448930000	WS-A 8/8 MM WS	A.23
2448930000	WS-A 8/8 MM WS	A.24
2448930000	WS-A 8/8 MM WS	A.52
2448930000	WS-A 8/8 MM WS	A.53
2448930000	WS-A 8/8 MM WS	B.36
2448930000	WS-A 8/8 MM WS	B.37
2448930000	WS-A 8/8 MM WS	B.38
2448930000	WS-A 8/8 MM WS	B.39

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2482170000	APGTB 1.5 FT 2C/1 BL	A.72
2482180000	APGTB 1.5 FT 3C/1	A.73
2482180000	APGTB 1.5 FT 3C/1	A.105
2482190000	APGTB 1.5 FT 3C/1 BL	A.73
2482200000	APGTB 1.5 FT 4C/2	A.73
2482200000	APGTB 1.5 FT 4C/2	A.105
2482210000	APGTB 1.5 FT 4C/2 BL	A.73
2482220000	APGTB 1.5 PE 2C/1	A.72
2482220000	APGTB 1.5 PE 2C/1	A.105
2482230000	APGTB 1.5 PE 3C/1	A.73
2482230000	APGTB 1.5 PE 3C/1	A.105
2482240000	APGTB 1.5 PE 4C/2	A.74
2482240000	APGTB 1.5 PE 4C/2	A.105
2482250000	APG 1.5 L	A.72
2482250000	APG 1.5 L	A.73
2482250000	APG 1.5 L	A.74
2482250000	APG 1.5 L	A.88
2482260000	APG 1.5 L BL	A.88
2482270000	APG 1.5 L GN	A.88
2482280000	APG 1.5 MI	A.72
2482280000	APG 1.5 MI	A.73
2482280000	APG 1.5 MI	A.74
2482280000	APG 1.5 MI	A.75
2482280000	APG 1.5 MI	A.88
2482290000	APG 1.5 MI BL	A.88
2482300000	APG 1.5 MI GN	A.88
2482310000	APG 1.5 R	A.72
2482310000	APG 1.5 R	A.73
2482310000	APG 1.5 R	A.74
2482310000	APG 1.5 R	A.75
2482320000	APG 1.5 R BL	A.88
2482330000	APG 1.5 R GN	A.88
2482340000	APG 1.5/1	A.72
2482340000	APG 1.5/1	A.73
2482340000	APG 1.5/1	A.74
2482340000	APG 1.5/1	A.75
2482350000	APG 1.5/2	A.84
2482360000	APG 1.5/3	A.84
2482370000	APG 1.5/4	A.84
2482380000	APG 1.5/5	A.84
2482390000	APG 1.5/6	A.84
2482400000	APG 1.5/7	A.84
2482410000	APG 1.5/8	A.84
2482420000	APG 1.5/9	A.84
2482430000	APG 1.5/10	A.72
2482430000	APG 1.5/10	A.73
2482430000	APG 1.5/10	A.74
2482430000	APG 1.5/10	A.75
2482430000	APG 1.5/10	A.84
2482440000	APG 1.5/5-3BG-BL-GN	A.84
2482450000	APG 1.5/4-3BG-GN	A.86
2482460000	APG 1.5/3-BG-BL-GN	A.84
2482510000	AEP PGTB 1.5 4C/2	A.73
2482510000	AEP PGTB 1.5 4C/2	A.74
2482520000	AEP PGTB 1.5 4C/2 BL	A.73
2482530000	APGPC 1.5	A.84
2482530000	APGPC 1.5	A.86
2482530000	APGPC 1.5	A.89
2482720000	APGLE 1.5	A.84
2482720000	APGLE 1.5	A.86
2482720000	APGLE 1.5	A.89
2482730000	APGSR 1.5	A.84
2482730000	APGSR 1.5	A.86
2482730000	APGSR 1.5	A.88
2482740000	APGSR 1.5 -4P	A.84
2482740000	APGSR 1.5 -4P	A.86
2482740000	APGSR 1.5 -4P	A.88
2482750000	APGSR 1.5 -8P	A.84
2482750000	APGSR 1.5 -8P	A.86
2482750000	APGSR 1.5 -8P	A.88
2485840000	APGTB 1.5 2T 4C/2	A.74
2485840000	APGTB 1.5 2T 4C/2	A.105
2485850000	APGTB 1.5 2T 4C/2 BL	A.74
2485860000	APGTB 1.5 2T FT-PE 4C/2	A.75
2485870000	APGTB 1.5 2T PE 4C/2	A.75
2485870000	APGTB 1.5 2T PE 4C/2	A.105
2485920000	APGTB 1.5 2T VL 4C/2	A.75
2485930000	APGTB 1.5 2T VL 4C/2 BL	A.75
2485980000	MCV APG 1.5	A.84
2485980000	MCV APG 1.5	A.86
2485980000	MCV APG 1.5	A.88
2486640000	AEP 3C 4 BK	A.61
2486640000	AEP 3C 4 BK	A.62
2486660000	AEP 4C 2.5 BK	A.60
2488970000	APP 1	A.105
2489090000	APP 2	A.105
2489100000	APP 3	A.105
2489110000	APP 4	A.105

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2490360000	A2C 10	A.25
2490370000	A2C 10 BL	A.25
2490380000	AEP 2C 10/16	A.25
2490380000	AEP 2C 10/16	A.26

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2490380000	AEP 2C 10/16	A.54
2490380000	AEP 2C 10/16	B.99
2490390000	AEP 2C 10/16 BL	A.25
2490390000	AEP 2C 10/16 BL	A.26
2490440000	A2C 10 PE	A.53
2490510000	A3C 10 BL	A.25
2490520000	A3C 10	A.25
2490530000	AEP 3C 10/16	A.25
2490530000	AEP 3C 10/16	A.26
2490530000	AEP 3C 10/16	A.53
2490530000	AEP 3C 10/16	A.54
2490540000	AEP 3C 10/16 BL	A.25
2490540000	AEP 3C 10/16 BL	A.26
2490590000	A3C 10 PE	A.53
2494000000	A2C 16	A.26
2494010000	A2C 16 PE	A.54
2494080000	A3C 16 BL	A.26
2494090000	A3C 16	A.26
2494100000	A2C 16 BL	A.26
2497250000	ZDV 10N/2	A.25
2497250000	ZDV 10N/2	A.111
2497250000	ZDV 10N/2	B.113
2497250000	ZDV 10N/2	B.117
2497290000	ZDV 16N/2	A.26
2497290000	ZDV 16N/2	A.111

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2502280000	ALD 16	A.27
2502320000	ALD 16 BL	A.27
2503650000	AAP11 6 LO OR	B.36
2503870000	AAP11 6/6X1.5 LO-LI OR	B.37
2503880000	AAP12 2.5 LI OR	B.43
2503890000	AAP12 10/4X2.5 LO-LI OR	B.43
2503900000	AAP12 10 LO OR	B.42
2503910000	AAP11 1.5 LI OR	B.37
2506090000	SET AAP11 6/1.5/12C	B.40
2506340000	SET AAP13 6/1.5/12C	B.41
2506350000	SET AAP12 10/2.5/10C	B.46
2506360000	SET AAP14 10/2.5/10C	B.47
2506370000	SET AAP11 6/1.5/24C	B.40
2506380000	SET AAP13 6/1.5/24C	B.41
2508000000	A2C 2.5 DBL	A.118
2508020000	A2C 1.5 RD	A.118
2508030000	A2C 2.5 BR	A.118
2508160000	A2C 1.5 WT	A.118
2508170000	A2C 1.5 BK	A.118
2508180000	A2C 1.5 DBL	A.118
2508190000	A2C 1.5 YL	A.118
2508200000	A2C 1.5 BR	A.118
2508210000	A2C 1.5 GN	A.118
2508220000	A2C 1.5 LTGY	A.118

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2522720000	AAP11 6 LO BL/OR	B.36
2522830000	AAP11 6/6X1.5 LO-LI BL/OR	B.37
2522840000	AAP12 2.5 LI BL/OR	B.43
2522850000	AAP12 10/4X2.5 LO-LI BL/OR	B.43
2522860000	AAP12 10 LD BL/OR	B.42
2522870000	AAP11 1.5 LI BL/OR	B.37

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2531290000	A2T 2.5 3C	A.36
2531300000	A2T 2.5 3C FT-PE	A.37
2531310000	A2T 2.5 3C VL	A.36
2531320000	A2T 2.5 3C PE	A.58
2531510000	A2T 2.5 3C BL	A.36
2531530000	A2T 2.5 3C VL BL	A.36
2532690000	AEP 2T 2.5 3C	A.36
2532690000	AEP 2T 2.5 3C	A.58
2532700000	AEP 2T 2.5 3C BL	A.36
2534230000	A3C 1.5 BK	A.118
2534260000	A4C 1.5 BK	A.118
2534290000	A3C 4 BR	A.118
2534360000	A3C 4 DBL	A.118
2534370000	A2C 4 BR	A.118
2534380000	A2C 4 DBL	A.118
2534390000	A4C 4 BR	A.118
2534400000	A4C 4 DBL	A.118
2534410000	A4C 1.5 GN	A.118
2534420000	A4C 1.5 LTGY	A.118
2534430000	A4C 1.5 RD	A.118
2534440000	A4C 1.5 WT	A.118
2534450000	A4C 1.5 YL	A.118
2534460000	A4C 1.5 BR	A.118
2534470000	A4C 1.5 DBL	A.118
2534480000	A3C 1.5 GN	A.118
2534490000	A3C 1.5 LTGY	A.118
2534500000	A3C 1.5 RD	A.118
2534510000	A3C 1.5 WT	A.118
2534520000	A3C 1.5 YL	A.118
2534530000	A3C 1.5 BR	A.118
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2534690000	A3C 2.5 DBL	A.118
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2539990000	A2T 4 PE	A.58

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2540010000	AEP 2T 4 BL	A.38
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2540060000	APGTB 4 FT 2C/1 BL	A.80
2540070000	APGTB 4 FT 3C/1	A.81
2540080000	APGTB 4 FT 3C/1 BL	A.81
2540090000	APGTB 4 FT 4C/2	A.81
2540100000	APGTB 4 FT 4C/2 BL	A.81
2540110000	APGTB 4 PE 2C/1	A.80
2540170000	APGTB 4 PE 3C/1	A.81
2540180000	APGTB 4 PE 4C/2	A.82
2540210000	AEP PGTB 4 4C/2	A.81
2540210000	AEP PGTB 4 4C/2	A.82
2540230000	APGTB 4 2T 4C/2	A.82
2540250000	APGTB 4 2T 4C/2 BL	A.82
2540260000	APGTB 4 2T VL 4C/2	A.83
2540270000	APGTB 4 2T VL 4C/2 BL	A.83
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2540280000	AEP PGTB 4 4C/2 BL	A.82
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2751100000	SEP 4C 2.5	A.7
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2753950000	S3C 2.5 BL	A.6
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2755910000	A2C 95/120 DL BL	A.101
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2762310000	AEP TTB 6 PG	B.72
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2762320000	APG 6/1	B.72
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2762330000	APG 6/2 MBB	B.72
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2847730000	AL4C 4	A.119
2847740000	AL2C 4 PE	A.50
2847750000	AL3C 4 PE	A.51
2847770000	AL4C 4 PE	A.51

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2856200000	A3T 1.5 DL	A.102
2856210000	A3T 1.5 DL BL	A.102
2856220000	A3T 1.5 VL DL	A.102
2856230000	A3T 1.5 FT-FT-PE DL	A.102
2856240000	A3T 1.5 PE DL	A.102

## 2860000000

2860570000	AWPD 35 4X10 BL	B.28
2862960000	S2C 2.5 DL	A.102
2862970000	S3C 2.5 DL	A.102
2862980000	S4C 2.5 DL	A.102
2862990000	S2C 2.5 DL BL	A.102
2863000000	S3C 2.5 DL BL	A.102
2863010000	S4C 2.5 DL BL	A.102
2863020000	S2C 2.5 PE DL	A.102
2863030000	S3C 2.5 PE DL	A.102
2863040000	S4C 2.5 PE DL	A.102

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2871750000	ALEP 2C 2.5	A.17
2871750000	ALEP 2C 2.5	A.47
2871750000	ALEP 2C 2.5	B.100
2871760000	ALEP 2C 2.5 BL	A.17
2871760000	ALEP 2C 2.5 BL	B.100
2871770000	ALEP 3C 2.5	A.18
2871770000	ALEP 3C 2.5	A.48
2871770000	ALEP 3C 2.5	B.100
2871780000	ALEP 3C 2.5 BL	A.18
2871780000	ALEP 3C 2.5 BL	B.100
2871790000	ALEP 4C 2.5	A.19
2871790000	ALEP 4C 2.5	A.49
2871790000	ALEP 4C 2.5	B.101
2871800000	ALEP 4C 2.5 BL	A.19
2871800000	ALEP 4C 2.5 BL	B.101
2871810000	ALEP 2C 4	A.20
2871810000	ALEP 2C 4	A.50
2871810000	ALEP 2C 4	B.101
2871820000	ALEP 2C 4 BL	A.20
2871820000	ALEP 2C 4 BL	B.101
2871830000	ALEP 3C 4	A.21
2871830000	ALEP 3C 4	A.51
2871830000	ALEP 3C 4	B.101
2871840000	ALEP 3C 4 BL	A.21
2871840000	ALEP 3C 4 BL	A.51
2871840000	ALEP 3C 4 BL	B.101
2871850000	ALEP 4C 4	A.21
2871850000	ALEP 4C 4	A.51
2871850000	ALEP 4C 4	B.102
2871860000	ALEP 4C 4 BL	A.21
2871860000	ALEP 4C 4 BL	B.102
2871870000	AL2C 4 BL	A.20
2871870000	AL2C 4 BL	A.119
2871880000	AL2C 4 DBL	A.119
2871890000	AL2C 4 RD	A.119
2871900000	AL2C 4 OR	A.119
2871910000	AL2C 4 GN	A.119
2871920000	AL2C 4 VT	A.119
2871930000	AL2C 4 BK	A.119
2871940000	AL2C 4 WT	A.119
2871950000	AL2C 4 YL	A.119

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2871960000	AL2C 4 LTGY	A.119
2871970000	AL2C 4 BR	A.119
2871980000	AL2C 4 FE	B.101
2871990000	AL3C 4 BL	A.21
2871990000	AL3C 4 BL	A.119
2872000000	AL3C 4 DBL	A.119
2872010000	AL3C 4 RD	A.119
2872020000	AL3C 4 OR	A.119
2872030000	AL3C 4 GN	A.119
2872040000	AL3C 4 VT	A.119
2872050000	AL3C 4 BK	A.119
2872060000	AL3C 4 WT	A.119
2872070000	AL3C 4 YL	A.119
2872080000	AL3C 4 LTGY	A.119
2872090000	AL3C 4 BR	A.119
2872100000	AL3C 4 FE	B.101
2872110000	AL4C 4 BL	A.21
2872110000	AL4C 4 BL	A.119
2872120000	AL4C 4 DBL	A.119
2872130000	AL4C 4 RD	A.119
2872140000	AL4C 4 OR	A.119
2872150000	AL4C 4 GN	A.119
2872160000	AL4C 4 VT	A.119
2872170000	AL4C 4 BK	A.119
2872180000	AL4C 4 WT	A.119
2872190000	AL4C 4 YL	A.119
2872200000	AL4C 4 LTGY	A.119
2872210000	AL4C 4 BR	A.119
2872220000	AL4C 4 FE	B.102
2874790000	SEP 2C 4	A.7
2874790000	SEP 2C 4	A.11
2874800000	SEP 3C 4	A.7
2874800000	SEP 3C 4	A.11
2874810000	SEP 4C 4	A.8
2874810000	SEP 4C 4	A.12
2874820000	S2C 4	A.7
2874830000	S2C 4 BL	A.7
2874840000	S3C 4	A.7
2874850000	S3C 4 BL	A.7
2874860000	S4C 4	A.8
2874870000	S4C 4 BL	A.8
2874880000	S2C 4 PE	A.11
2874890000	S3C 4 PE	A.11
2874900000	S4C 4 PE	A.12
2874910000	S2C 4 DL	A.102
2874920000	S3C 4 DL	A.102
2874930000	S4C 4 DL	A.102
2874940000	S2C 4 DL BL	A.102
2874950000	S3C 4 DL BL	A.102
2874960000	S4C 4 DL BL	A.102
2874970000	S2C 4 PE DL	A.102
2874980000	S3C 4 PE DL	A.102
2874990000	S4C 4 PE DL	A.102
2875120000	S2C 2.5 OR	A.6
2875130000	S3C 2.5 OR	A.6
2875140000	S4C 2.5 OR	A.7
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2876180000	AEP 4C 6	A.53
2876180000	AEP 4C 6	B.102
2876190000	AEP 4C 6 BL	A.23
2876190000	AEP 4C 6 BL	B.102
2876640000	A2C 2.5 VT	A.118

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2881460000	A4C 6 BL	A.23
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2881510000	A4C 6 DL BL	A.101
2881520000	A4C 6 DL OR	A.101
2881530000	A4C 6 FE DL	A.101
2881540000	A4C 6 PE DL	A.102
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2881640000	APP ITB 2.5 BB BL VI	B.119
2881640000	APP ITB 2.5 BB BL VI	B.120
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2902450000	S2T 2.5 VL OR	A.9
2902460000	S2T 2.5 PE	A.12
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2902510000	S2T 2.5 VL DL BL	A.102
2902520000	S2T 2.5 PE DL	A.102
2902630000	SEP 2T 2.5	A.8
2902630000	SEP 2T 2.5	A.9
2902630000	SEP 2T 2.5	A.12

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7921600000	SIHA 3/620/LD 140-250V	A.70
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8630740000	ZEW 35/2	C.19

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8870840000	SRC-I QV P	B.92
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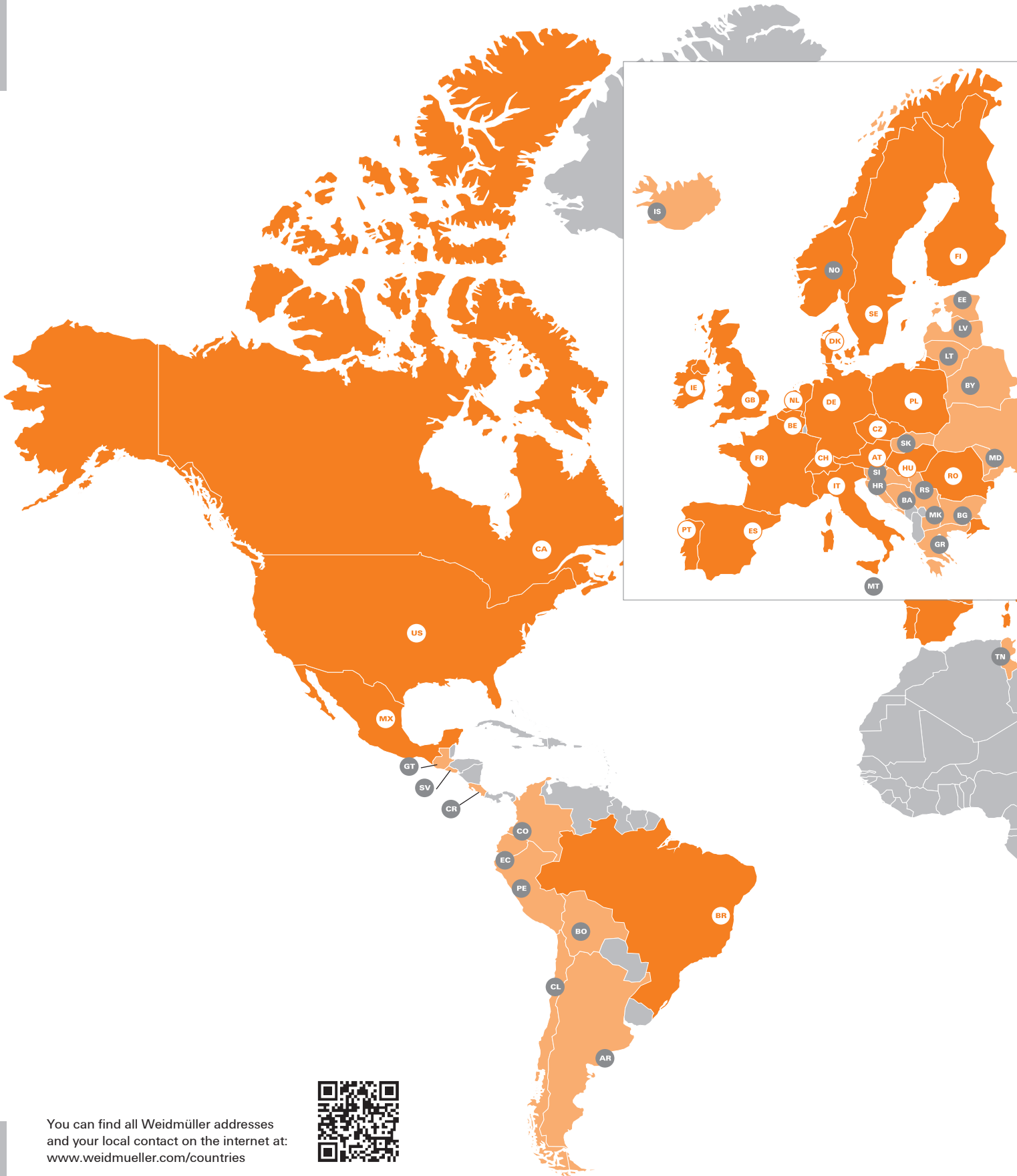
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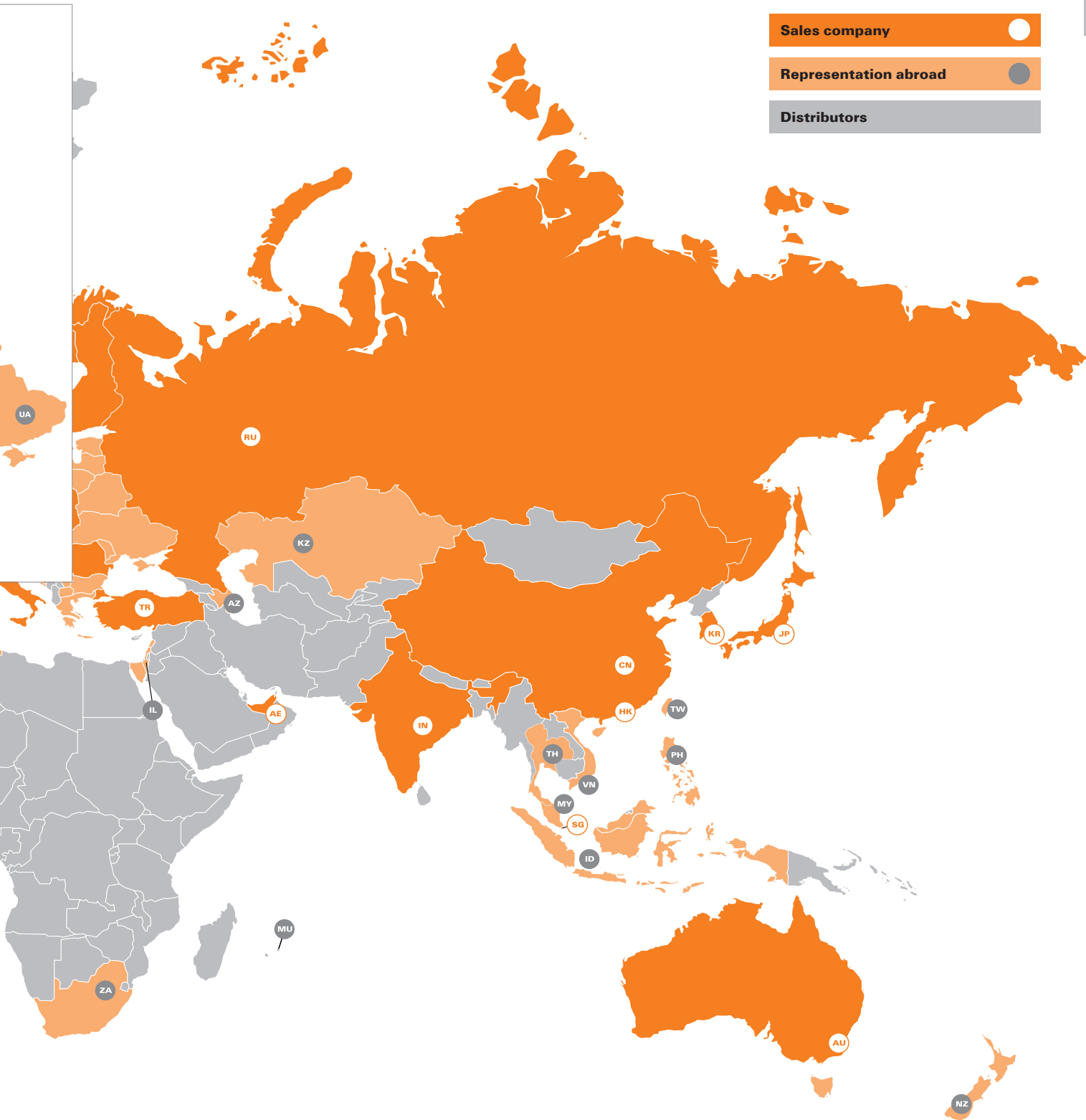
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