

Panel building requires innovative ideas
Klippon® Connect delivers pioneering connectivity solutions
Let's connect.

Connectivity



Klippon® Connect

Weidmüller 

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Universal range
PUSH IN technology



Application range
Signal wiring



Application range
Control voltage distribution



Extra efficiency in panel planning, installation and operation

Klippon® Connect offers added value at all stages

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from the planning stage all the way to installation and operation. The latest example of this is Klippon® Connect. Our offer – which consists of tailored application products, universal terminal blocks and process-supporting services – provides you with productivity benefits at all stages of the panel building process. These include benefits such as time-saving planning and project planning, faultless wiring, fast marking and much more besides.

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.



Achieving greater productivity one step at a time

Every panel building process starts with the planning stage. It is here that the foundation for an optimum set-up is laid. Once there is a plan in place, installation starts. 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 both the individual phases (planning, installation and operation) and how they interlink with one another. Innovative products and services that support you in all the stages of the panel building process are the result.

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 process thanks to linked data models
- Convenient 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 varied cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

Sustainably higher availability during operation

- Simpler testing procedure thanks to integrated test point
- Rewiring possible during operation without special tools thanks to PUSH IN technology with pusher
- Gas-tight connections for interference-free operation
- Flexible, simple modification and extension



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

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



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.



Standardised implementation of efficient solutions

The Klippon® Connect universal range

Ever more efficiency is required in installation as a result of growing competitive and cost-related pressure. Innovative connection solutions that offer both minimal installation time and maximum safety for users and equipment alike are very much in demand here. Klippon® Connect with PUSH IN technology enables direct and tool-free conductor connection using rigid conductors and conductors with wire-end ferrules. The sophisticated and function-oriented Klippon® Connect universal range can be used to implement suitable solutions – including practical product features, comprehensive services and application-oriented advice – in a standardised way.

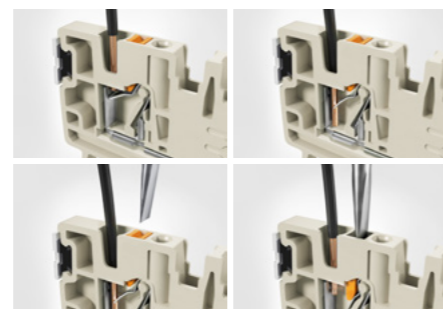
Easy to plug in

Installation is up to 50 % faster with PUSH IN technology. Even stranded-wire conductors can be connected by simply pressing the pusher – without the need for any special tools.



PUSH IN connection technology

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.



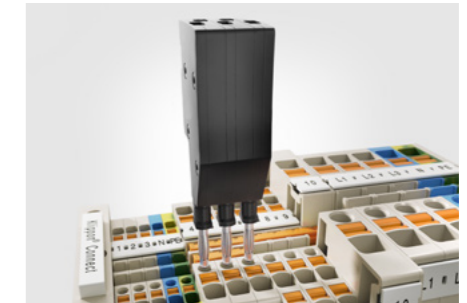
Integrated cross-connectors

Integrated cross-connection channels increase flexibility and shorten wiring times. All cross-connectors can be adapted and identified easily.



Standardised check and test point at each contact point

The standardised check and test point with test adapter simplifies maintenance and troubleshooting in the panel.



Efficient markers

The new marker strips ensure effective labelling. They can be created very quickly and attached as strips.



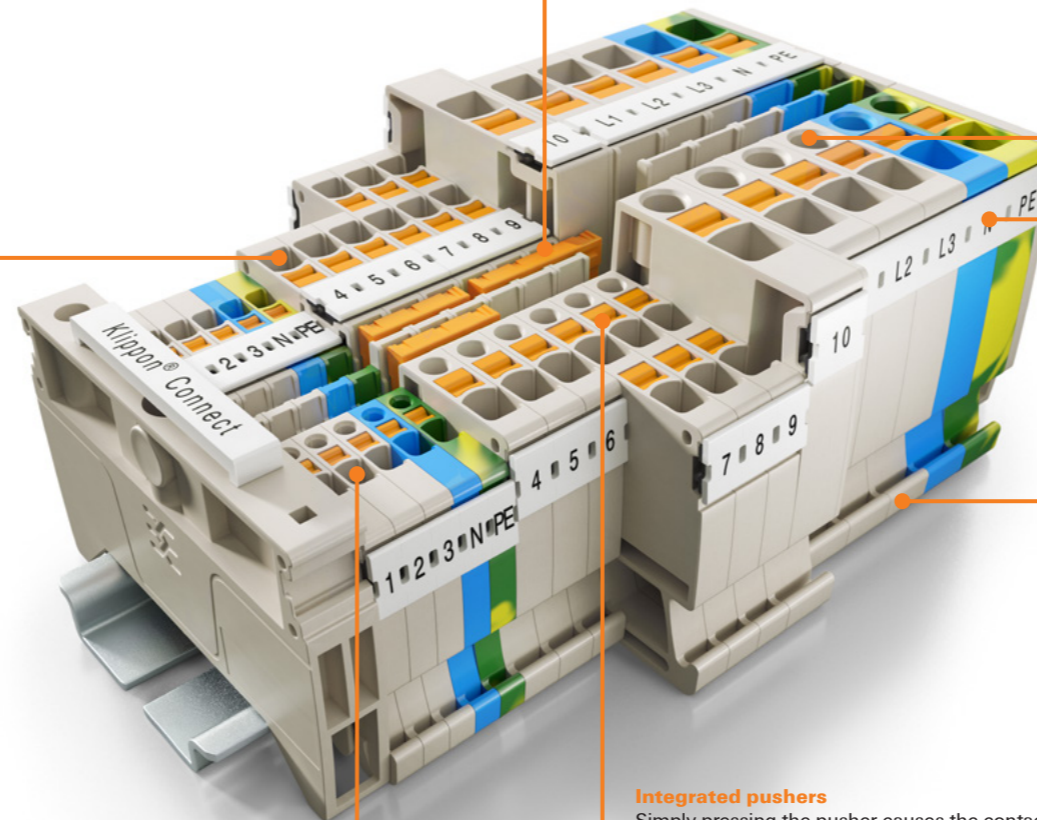
Integrated pushers

Simply pressing the pusher causes the contact to open and the conductor can be removed – and there's no need whatsoever for any special tools.



Compensating mounting foot

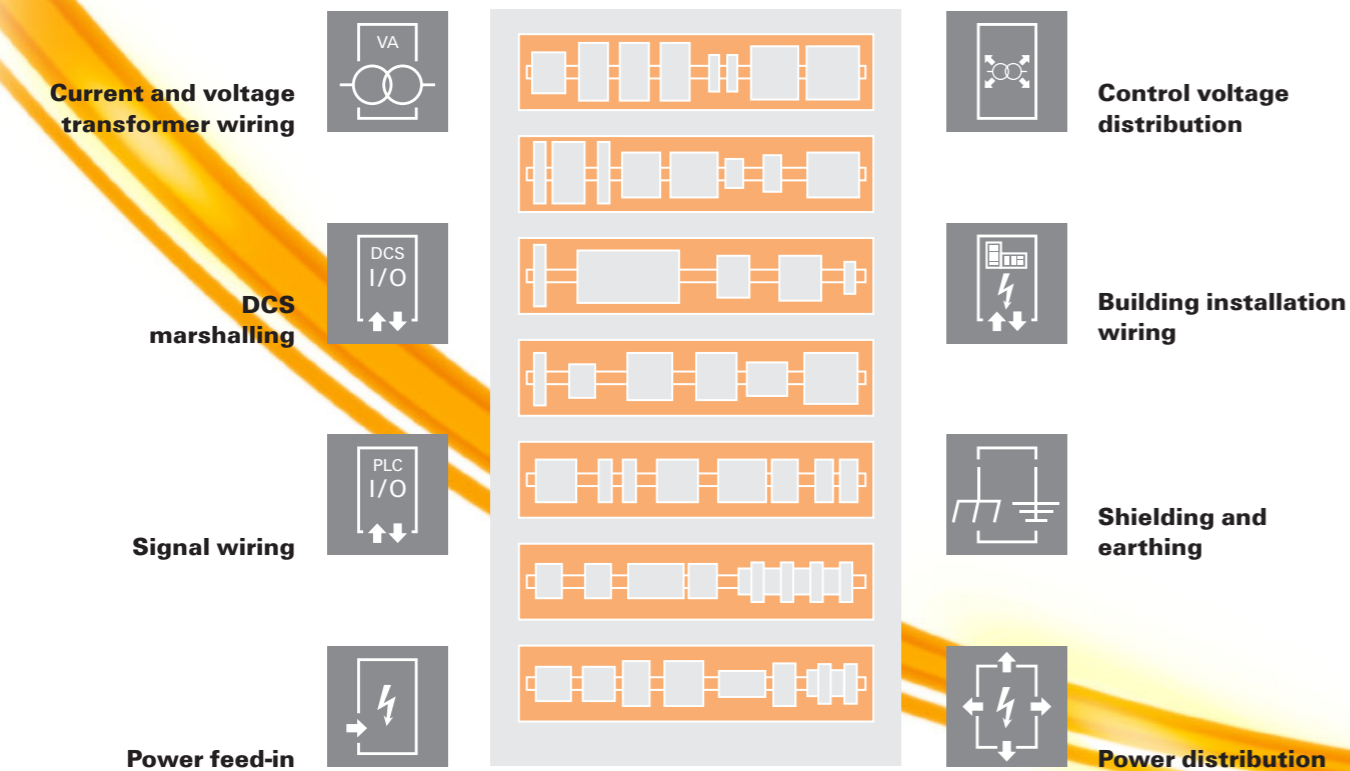
A spring-loaded mounting foot compensates for differences in terminal rail dimensions. This makes latching and unlatching the terminal blocks easier.



Clever optimisation of signal wiring and control voltage distribution

Klippon® Connect application products for recurring applications

Panels are configured individually. But in virtually all industries, there are certain applications that make recurring parts in the panel a necessity. We have identified and developed tailored solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, we are helping to boost productivity, efficiency and safety at all stages of the panel building process.



Signal wiring

Controlling work processes in machines and facilities is becoming increasingly complex. A growing number of initiators monitor the production process. In slim panels, combining and structuring signals is proving to be an increasingly difficult challenge. Klippon® Connect application products for signal wiring offer all the benefits you need for structured wiring.

Slim design

- High wiring density thanks to the slim 3.5-mm width
- Up to four different potentials on one terminal block

Coloured pushers

- A separate colour for each conductor: positive, negative, signal or PE
- Faster installation
- Incorrect wiring is prevented

Check and test point

- Standardised check and test point at each contact point
- Time-saving testing of different potentials in the panel



Control voltage distribution

Electrical energy from the power supply is distributed to many downstream consumers in control voltage circuits. Often, a daunting number of conductors has to be wired in a very confined space. This can quickly lead to incorrect wiring. Klippon® Connect application products make it a great deal easier setting up your complete control voltage distribution solution in a clear and compact way.

Space-saving design

- Positive and negative potentials on one terminal
- Less space required compared with conventional set-ups

Coloured pushers

- Potentials are easy to tell apart
- Faster installation
- Incorrect wiring is prevented

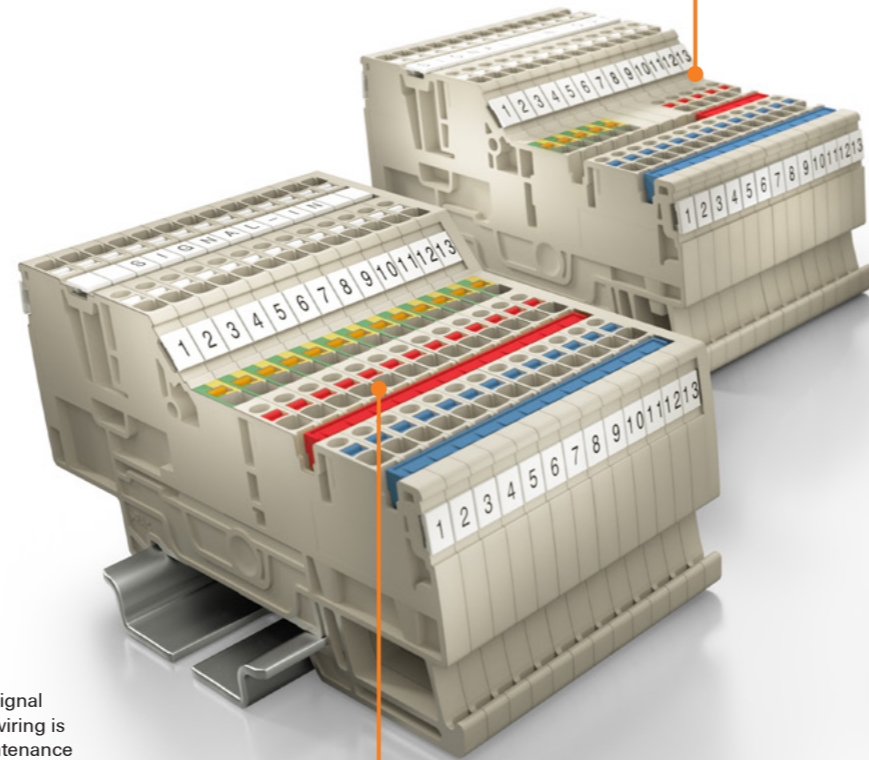
Cross-connectors

- Flexible potential distribution thanks to two integrated cross-connection channels
- Simplified cross-connector adaptation and identification

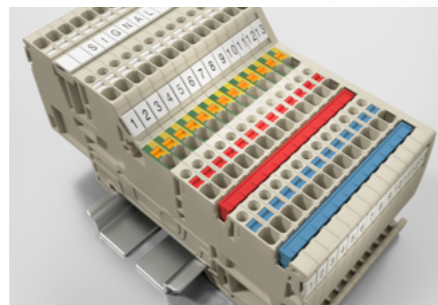


Clear wiring for high-density signalling levels With Klippon® Connect in the smallest of spaces

The number of sensors monitoring the production process is constantly growing. Consequently, increasingly compact terminal blocks are required to combine and structure signals in slim panels. Even today, our signal wiring solutions are geared towards future automation needs. Compared with conventional wiring solutions, our AIO initiator-actuator terminal blocks enable a high wiring density with up to four different potentials on a width of just 3.5 mm. When combined with an I/O system, they achieve particularly effective and safe signal wiring.

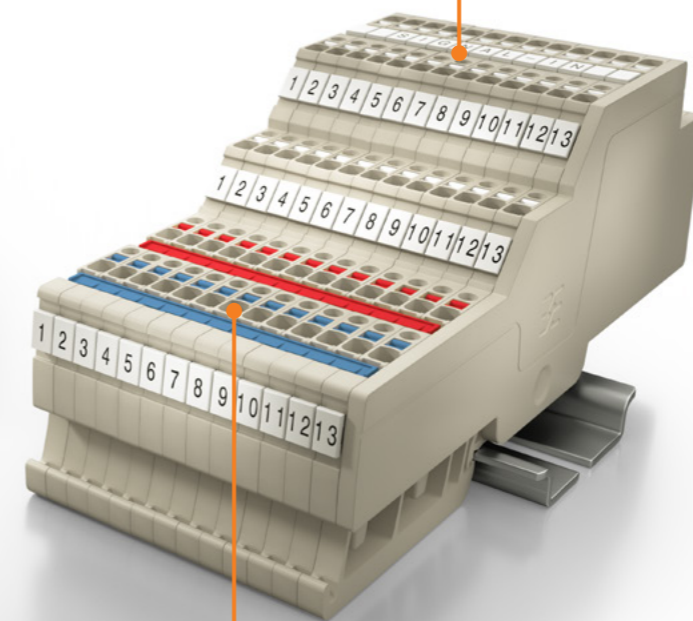
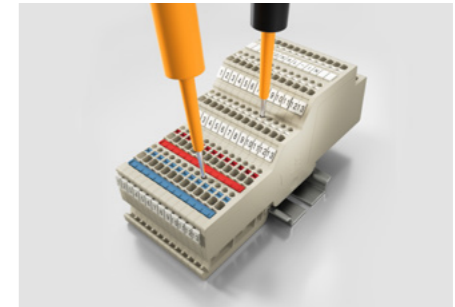


Coloured pushers
Each conductor – positive, negative, signal or PE – has its own colour. Incorrect wiring is prevented, while installation and maintenance are made more efficient.

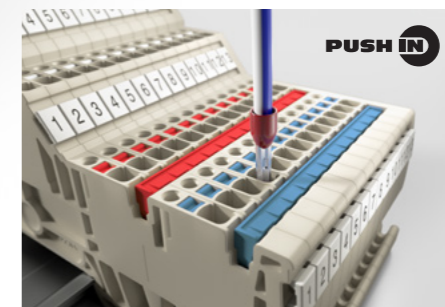


Many variants
Whether it's for three- or four-conductor initiators or actuators with and without a protective earth connection, we've got the perfect terminal block in our range.

Check and test point at each potential at each contact point
The different potentials can be tested at every contact point. Testing work in the panel is significantly sped up.



PUSH IN technology
Both rigid conductors and conductors with wire-end ferrules can be reliably connected directly and without the need for any tools. For maximum contact security in a minimum amount of time.

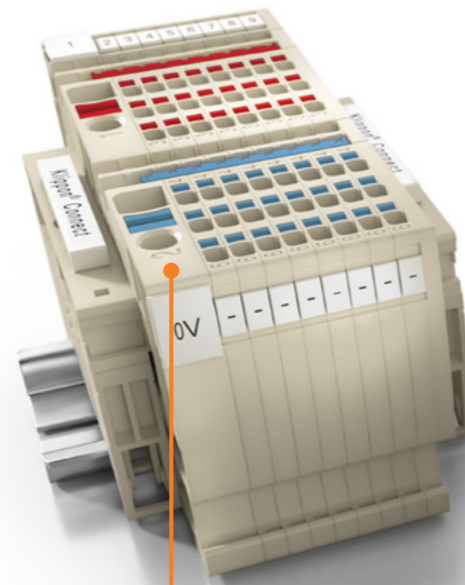


Safe supply for consumers in the panel

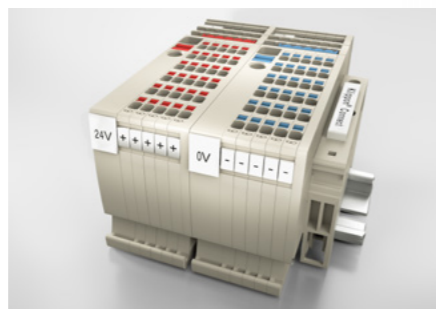
Klippon® Connect for optimum control voltage distribution

Electrical energy from the power supply is distributed to many downstream consumers in control voltage circuits. Often, a daunting number of conductors has to be wired in a very confined space. This can quickly lead to incorrect wiring. Our AAP application solution allows for extremely clear and compact set-ups for control voltage distribution purposes.

The modular concept can be tailored individually to each machine type. A standardised distributor terminal block design and simple cross-connection options not only save space, they prevent incorrect wiring too. Two possible set-ups – alternating and grouped – increase flexibility. In the alternating set-up, two different potentials are located on one terminal, which saves additional space compared with conventional set-ups.

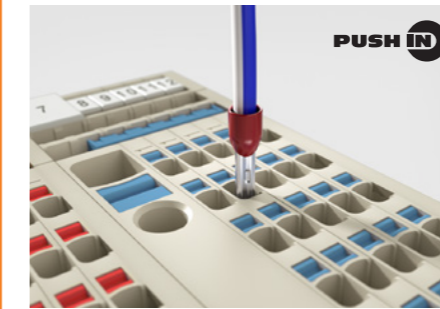


Clear contact assignment
The individual contact points are marked and numbered consecutively too. Maintenance and modification tasks are made a great deal easier.



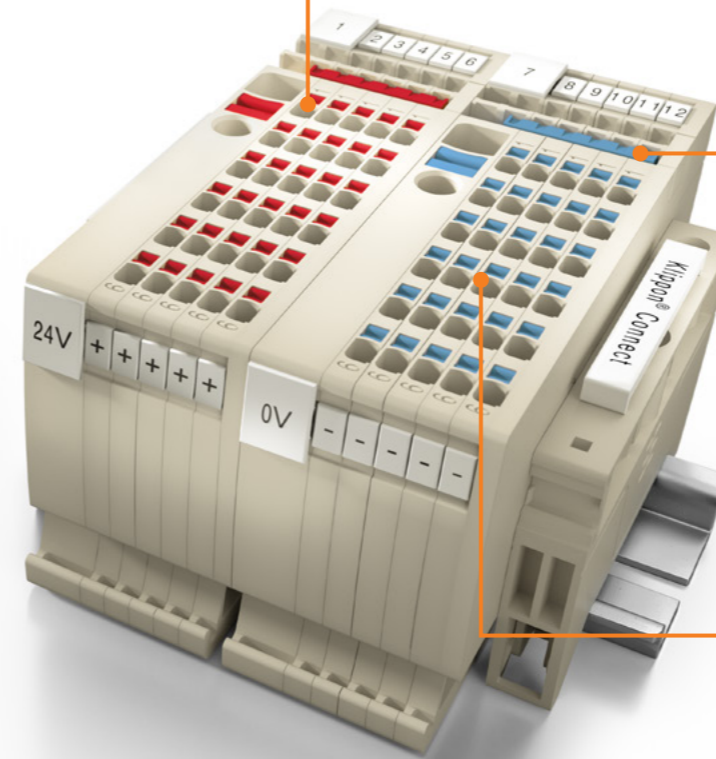
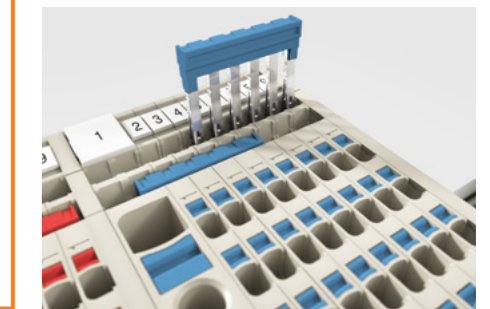
PUSH IN technology

Fast, safe and reliable direct connection of rigid conductors and conductors with wire-end ferrules – and there's no need whatsoever for any special tools.



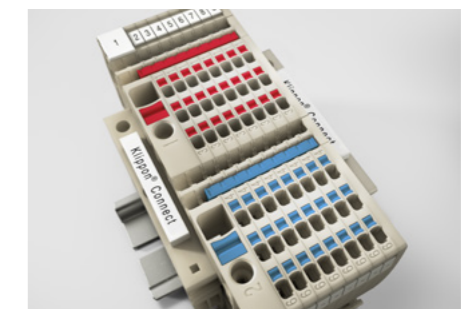
Two cross-connection channels

Thanks to the modular system, another terminal block can be attached and expanded using an additional cross-connection in the second cross-connection channel.



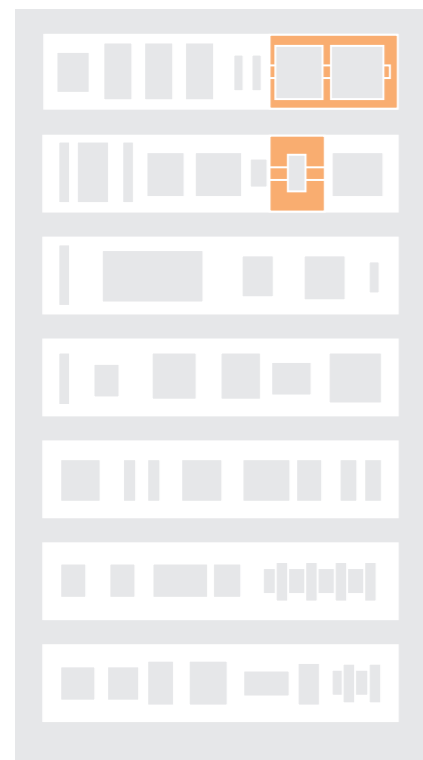
Coloured pushers

The colours make distinguishing between the different potentials easy. Time-consuming and costly troubleshooting is prevented.



Structured block solution

The modular system can be combined with terminal blocks that have identical contours and standardised accessories to create a clear block solution.



Load monitoring and potential distribution in one complete solution

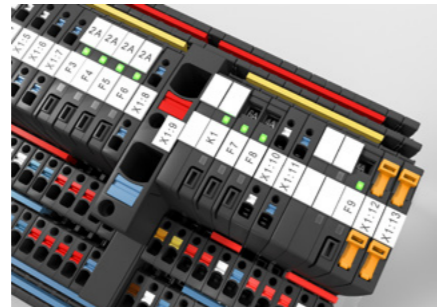
maxGUARD – taking control voltage distribution to a new level

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.



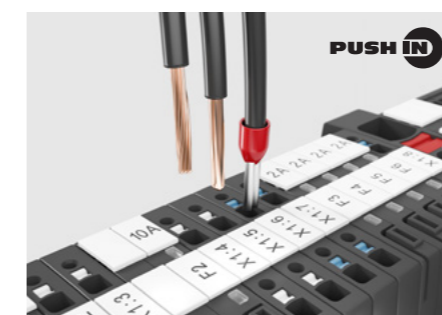
Can be used in a customised way

The sheer range of variants and the very different potential distribution terminals and additional components enable customised solutions at all times.



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.



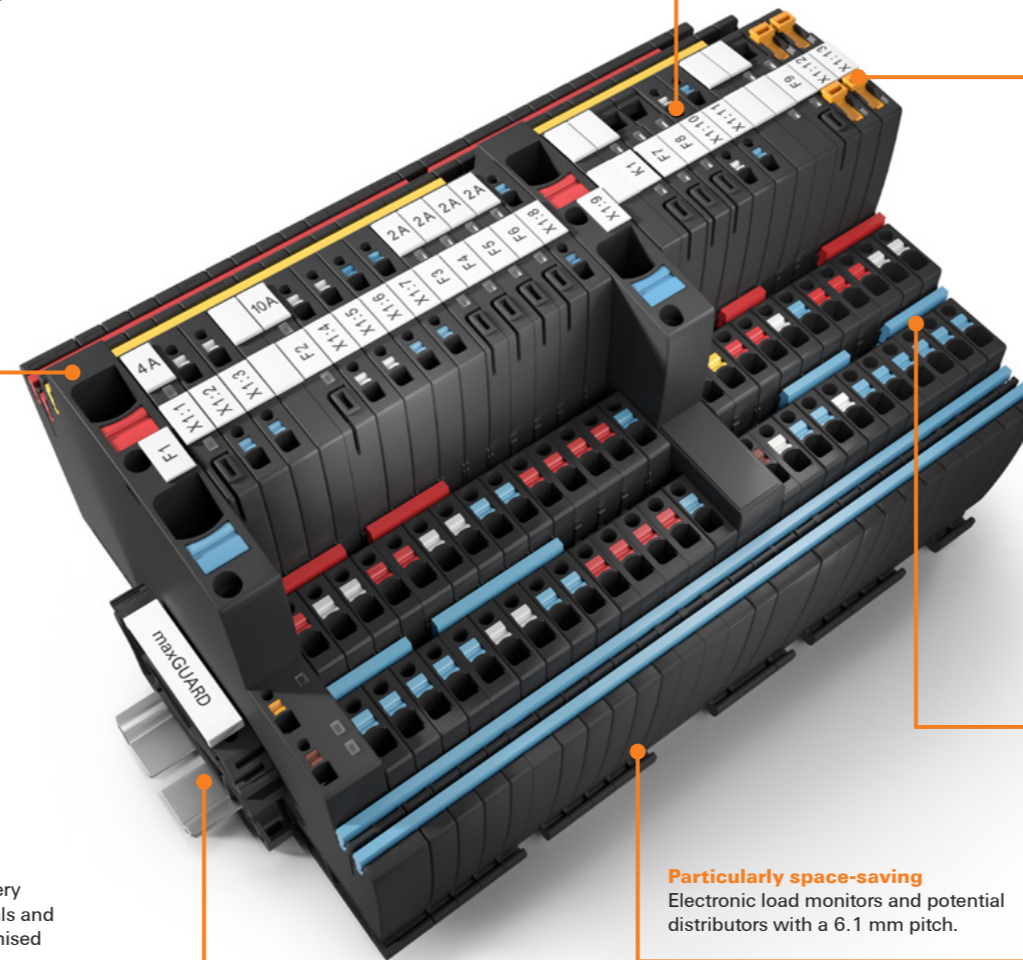
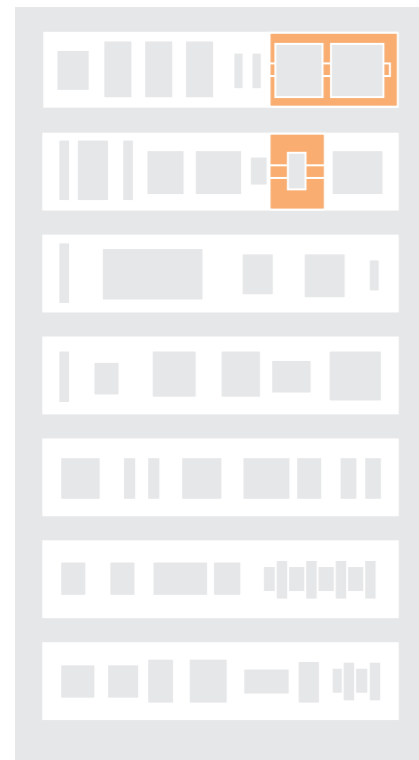
Unique cross-connectors

Less time and effort needed for wiring due to cross-connections between load monitoring and potential distribution terminals.



Particularly space-saving

Electronic load monitors and potential distributors with a 6.1 mm pitch.



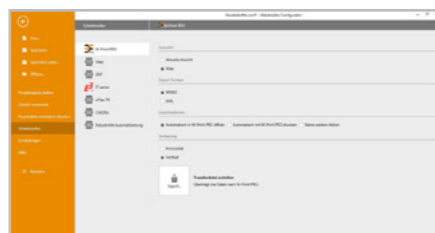
An effective fast track for planning processes

Easy configuration and request process with the Weidmüller Configurator

Engineering processes have to be completed with ever greater speed, precision and efficiency. This requires intelligent tools that provide optimum support for the complex planning processes. The Weidmüller Configurator is a software solution for selecting, configuring and requesting terminal rails and terminal rail components from the Weidmüller range. The tool supports continuous engineering workflows – from planning with E-CAD to requirements and documentation. Simple operation, a clear design and integration in your engineering systems make configuring terminal rails a simple, safe and convenient process. The fantastic attention to detail during the terminal rail assembly process increases planning quality compared with E-CAD systems.

Optimum labelling

The Weidmüller Configurator enables user-friendly data exchange between CAD programs and marking systems such as M-Print® PRO.



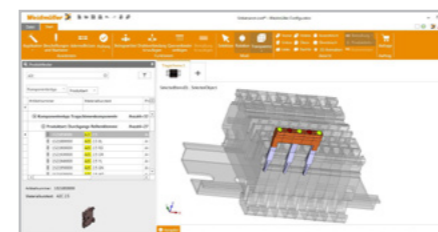
Full engineering support

The product data can be used in engineering systems such as EPLAN P8 or Zuken E³. 3D models are available for panel set-up.



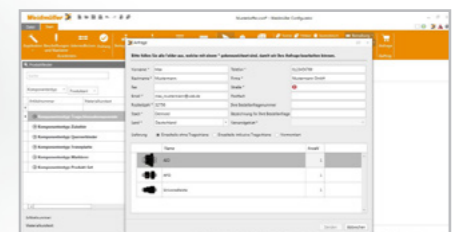
Helpful wizard system

The intelligent wizard function documents every instance in which a terminal rail is assembled and only allows permissible configurations. Mistakes are corrected automatically.



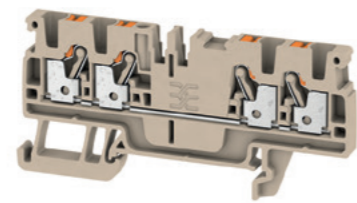
Integrated request function

The selected components can be requested directly – either as individual components or pre-installed on a top-hat rail.



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

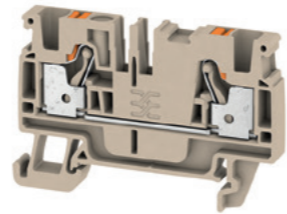
A4C 2.5 2.5 mm²




5.1 x 77.5 x 36.5
24 / 2.5
0.14...2.5



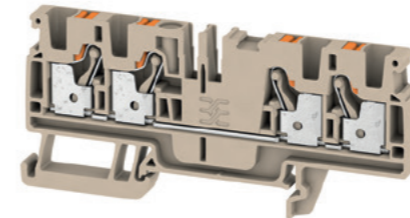
A2C 4 4 mm²




6.1 x 60 x 39.5
32 / 4
0.5...4



A4C 4 4 mm²



6.1 x 87.5 x 39.5
32 / 4
0.5...4



Technical data

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

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				
Note				
Approval in progress				

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				
Note				
Approval in progress				

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				
Note				
Approval in progress				

Ordering data

Version	
	dark beige
	blue
Note	

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

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

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

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
	PS 2.0 MC
Screwdriver	
	Standard
Identification systems	

Type	current	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
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
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 MC NE WS		720	1792000000

Type	current	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
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MI-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
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	current	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
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MI-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
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

All MultiMark variants (MM) = strip markers

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All MultiMark variants (MM) = strip markers



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

Technical data

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

Ordering data

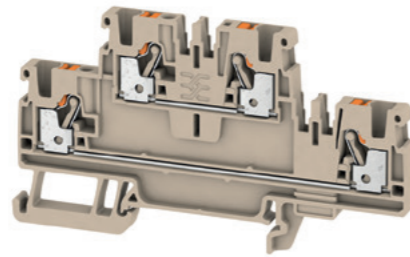
Version	
	dark beige
	blue
Note	

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	blue
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

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

A2T 2.5 2.5 mm²



5.1 x 90 x 50.5
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		

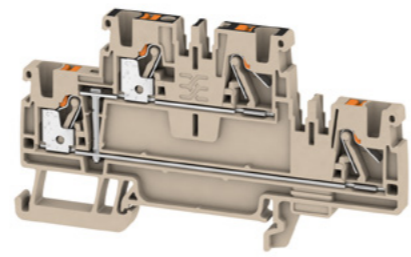
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

Type	Qty.	Order No.
A2T 2.5	50	1547610000
A2T 2.5 BL	50	1547620000

Type	current	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
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

A2T 2.5 VL 2.5 mm²



5.1 x 90 x 50.5
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		

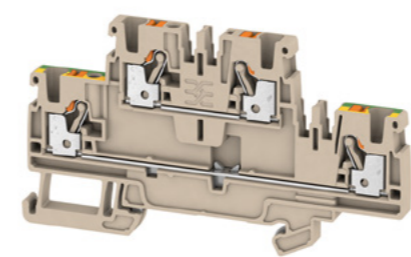
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

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

Type	current	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
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

A2T 2.5 FT-PE 2.5 mm²



5.1 x 90 x 50.5
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		

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			
Approval in progress			

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

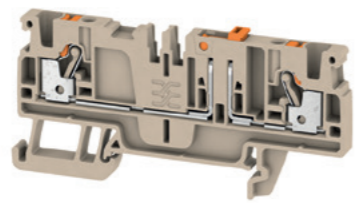
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers



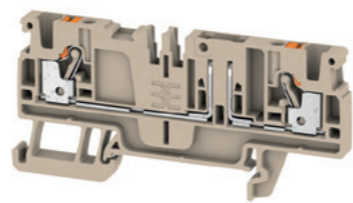
ADT 2.5 2C

2.5 mm²



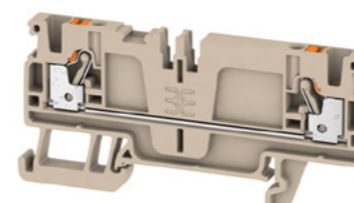
ADT 2.5 2C W/O DTLV

2.5 mm²



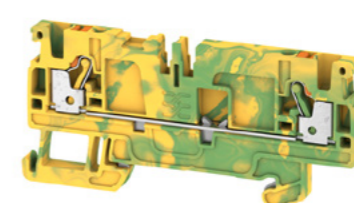
A2C 2.5 /DT/FS

2.5 mm²



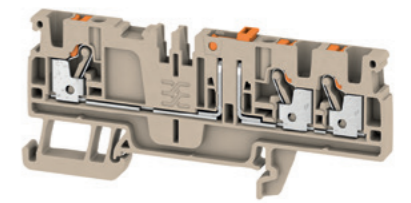
A2C 2.5 PE /DT/FS

2.5 mm²



ADT 2.5 3C

2.5 mm²



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

5.1 x 77.5 x 37.65	
20 / 2.5	
0.14...2.5	

5.1 x 77.5 x 36.5	
20 / 2.5	
0.14...2.5	

5.1 x 77.5 x 36.5	
24 / 2.5	
0.14...2.5	

5.1 x 77.5 x 36.5	
/ 2.5	
0.14...2.5	

5.1 x 84.5 x 37.65	
20 / 2.5	
0.14...2.5	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

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				
Approval in progress				

IEC 60947-7-2				
IEC	UL	CSA	EN 60079-7	
2.5				
		/ 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				
Approval in progress				

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

Ordering data

Version	
dark beige	
blue	
without isolator	
Note	

Type	Qty.	Order No.
ADT 2.5 2C	50	1989800000
ADT 2.5 2C BL	50	1989810000

Type	Qty.	Order No.
ADT 2.5 2C W/O DTLV	50	1989930000

Type	Qty.	Order No.
A2C 2.5 /DT/FS	50	1989900000
A2C 2.5 /DT/FS BL	50	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

Accessories

Pluggable cross-connection	
2-pole	
10-pole	
End plate	
dark beige	
Blue	
End bracket	
dark beige	
dark beige	
Test adapter	
1-pole	
3-pole	
5-pole	
stackable	
Test plug	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP DT 2.5 3C		50	1989970000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP DT 2.5 3C		50	1989970000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

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

All MultiMark variants (MM) = strip markers

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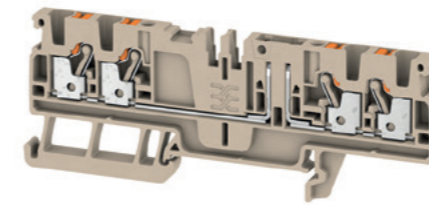
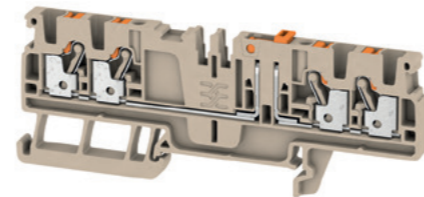
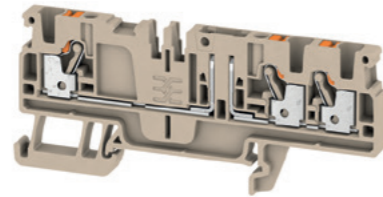
All MultiMark variants (MM) = strip markers



ADT 2.5 3C W/O DTLV 2.5 mm²

ADT 2.5 4C 2.5 mm²

ADT 2.5 4C W/O DTLV 2.5 mm²



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

5.1 x 84.5 x 36.5	
20 / 2.5	
0.14...2.5	

5.1 x 96 x 37.65	
20 / 2.5	
0.14...2.5	

5.1 x 96 x 36.5	
20 / 2.5	
0.14...2.5	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

IEC 60947-7-1				
IEC	UL	CSA	EN 60079-7	
400				
20				
2.5				
		4 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				
Approval in progress				

Ordering data

Version	
	dark beige
	blue
	without isolator
Note	

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

Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	1989950000

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 3C			
		50	1989970000
AEB 35 SC/1			
		50	1991920000
ZEW 35			
		20	9540000000
ATPG 1.5-10 L			
		50	1991890000
ATPG 2.5/3			
		25	2041190000
ATPG 2.5/5			
		25	2041180000
ATPG 2.5 MI-R			
		50	1991960000
PS 2.0 MC			
		20	0310000000
SDIL 0,6x3,5x100			
		1	9042110000
DEK 5/5 PLUS MC NE WS			
		1000	1854490000
WS 10/5 M MC NE WS			
		720	1792000000
DEK 5/5 MM WS			
		800	2007110000
WS 8/5 MM WS			
		800	2007150000

Type	current	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
ZEW 35			
		20	9540000000
ATPG 1.5-10 L			
		50	1991890000
ATPG 2.5/3			
		25	2041190000
ATPG 2.5/5			
		25	2041180000
ATPG 2.5 MI-R			
		50	1991960000
PS 2.0 MC			
		20	0310000000
SDIL 0,6x3,5x100			
		1	9042110000
DEK 5/5 PLUS MC NE WS			
		1000	1854490000
WS 10/5 M MC NE WS			
		720	1792000000
DEK 5/5 MM WS			
		800	2007110000
WS 8/5 MM WS			
		800	2007150000

Type	current	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
ZEW 35			
		20	9540000000
ATPG 1.5-10 L			
		50	1991890000
ATPG 2.5/3			
		25	2041190000
ATPG 2.5/5			
		25	2041180000
ATPG 2.5 MI-R			
		50	1991960000
PS 2.0 MC			
		20	0310000000
SDIL 0,6x3,5x100			
		1	9042110000
DEK 5/5 PLUS MC NE WS			
		1000	1854490000
WS 10/5 M MC NE WS			
		720	1792000000
DEK 5/5 MM WS			
		800	2007110000
WS 8/5 MM WS			
		800	2007150000

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

All MultiMark variants (MM) = strip markers

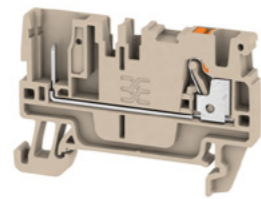
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



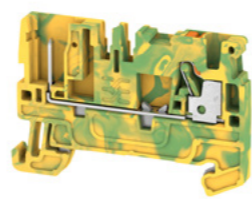
APGTB 2.5 FT 2C/1

2.5 mm²



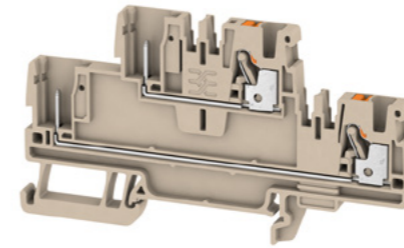
APGTB 2.5 PE 2C/1

2.5 mm²



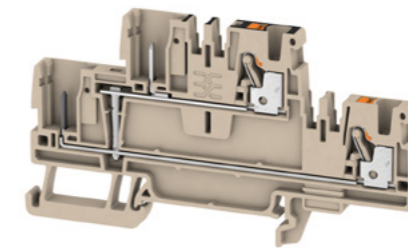
APGTB 2.5 2T 4C/2

2.5 mm²



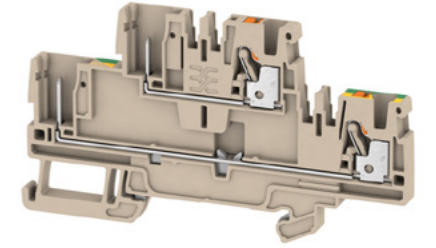
APGTB 2.5 2T VL 4C/2

2.5 mm²



APGTB 2.5 2T FT-PE 4C/2

2.5 mm²



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

5.1 x 55 x 36.5	
24 / 2.5	
0.14...2.5	

5.1 x 55 x 36.5	
/ 2.5	
0.14...2.5	

5.1 x 91 x 50.5	
24 / 2.5	
0.14...2.5	

5.1 x 91 x 50.5	
24 / 2.5	
0.14...2.5	

5.1 x 91 x 50.5	
24 / 2.5	
0.14...2.5	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

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				
Note				
Approval in progress				

IEC 60947-7-2				
IEC	UL	CSA	EN 60079-7	
800				
24				
2.5				
		/ 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				
Note				
Approval in progress				

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				
Note				
Approval in progress				

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				
Note				
Approval in progress				

IEC 60947-7-1, IEC 60947-7-2				
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				
Note				
Approval in progress				

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
Note		

Type	Qty.	Order No.
APGTB 2.5 PE 2C/1	50	1513870000
Note		

Type	Qty.	Order No.
APGTB 2.5 2T 4C/2	50	1548060000
APGTB 2.5 2T 4C/2 BL	50	1548070000
Note		

Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	1548140000
APGTB 2.5 2T VL 4C/2 BL	50	1548150000
Note		

Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	1548130000
Note		

Accessories

Pluggable cross-connection	
2-pole	
10-pole	
End plate	
dark beige	
Blue	
End bracket	
dark beige	
dark beige	
Plug	
Test plug	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
AEP 2C 2.5		50	1514400000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

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

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

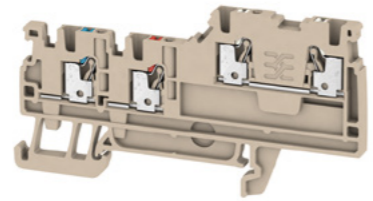
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

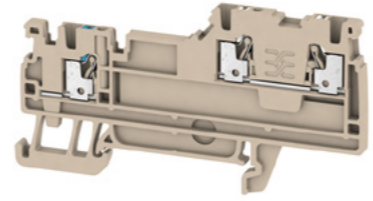
AI021 1.5 SI

1.5 mm²



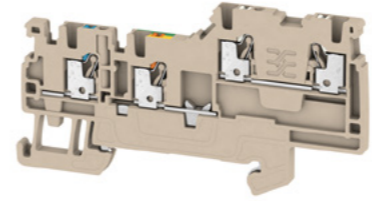
AI021 1.5 SO

1.5 mm²



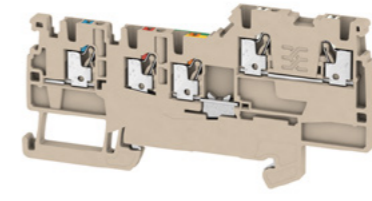
AI021 1.5 SO-PE

1.5 mm²



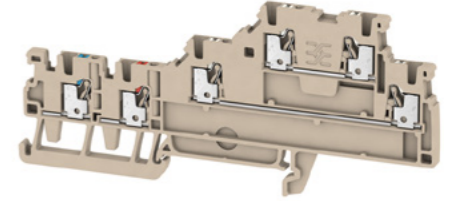
AI022 1.5 SI-PE

1.5 mm²



AI023 1.5 2SI

1.5 mm²



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

3.5 x 80 x 42	
13.5 / 1.5	
0.14...1.5	

3.5 x 80 x 42	
13.5 / 1.5	
0.14...1.5	

3.5 x 80 x 42	
13.5 / 1.5	
0.14...1.5	

3.5 x 89 x 45	
13.5 / 1.5	
0.14...1.5	

3.5 x 110 x 49.5	
13.5 / 1.5	
0.14...1.5	

Technical data

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

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
	4 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			
Approval in progress			

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
	4 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			
Approval in progress			

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
	4 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			
Approval in progress			

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
	4 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			
Approval in progress			

In accordance with IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
	4 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			
Approval in progress			

Ordering data

Version	
Note	

Type	Qty.	Order No.
AI021 1.5 SI	100	1992260000

Type	Qty.	Order No.
AI021 1.5 SO	100	1992240000

Type	Qty.	Order No.
AI021 1.5 SO-PE	100	1992250000

Type	Qty.	Order No.
AI022 1.5 SI-PE	100	1992230000

Type	Qty.	Order No.
AI023 1.5 2SI	100	1992220000

Accessories

Pluggable cross-connection	
2-pole / red	
10-pole / red	
2-pole / blue	
10-pole / blue	
End plate	
End bracket	
dark beige	
dark beige	
Test adapter	
1-pole	
stackable	
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	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 IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
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
WS 10/3.5 PLUS MC NE WS		960	2003760000

Type	current	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
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
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
WS 10/3.5 PLUS MC NE WS		960	2003760000

Type	current	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 IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
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
WS 10/3.5 PLUS MC NE WS		960	2003760000

Type	current	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
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
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
WS 10/3.5 PLUS MC NE WS		960	2003760000

Type	current	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
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
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
WS 10/3.5 PLUS MC NE WS		960	2003760000

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Potential distribution with separate fusing

AAP11 6 LO

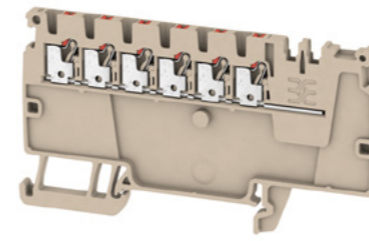
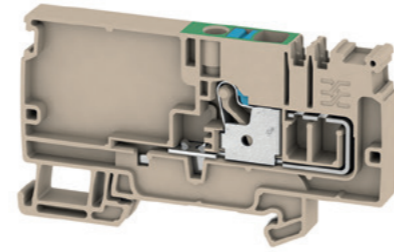
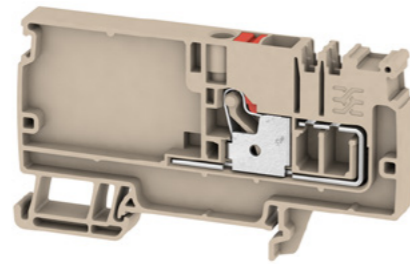
6 mm²

AAP11 6 FE

6 mm²

AAP11 1.5 LI

1.5 mm²



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

8.1 x 85.5 x 48
41 / 6
0.5...6

8.1 x 85.5 x 48
41 / 6
0.5...6

3.5 x 85.5 x 48
17.5 / 1.5
0.14...1.5

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	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			
Note			
Approval in progress			

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	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			
Note			
Approval in progress			

IEC/EN 60947-7-1:2009

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...1.5			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

Ordering data

Version	
	beige Wemid / red pusher
	beige Wemid / blue pusher
	beige Wemid / red and blue pushers
Note	

Type	Qty.	Order No.
AAP11 6 LO RD	20	1989780000
AAP11 6 LO BL	20	1988130000
Note		

Type	Qty.	Order No.
AAP11 6 FE	20	1988140000
Note		
FE = functional earth, contact to DIN rail.		

Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000
Note		

Accessories

Pluggable cross-connection	
	2-pole / red
	10-pole / red
	2-pole / blue
	10-pole / blue
End plate / Partition plate	
End bracket	
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	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
End plate / Partition plate			
AEP AP11		20	1988320000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
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

Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate / Partition plate			
AEP AP11		20	1988320000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
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

Type	current	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
End plate / Partition plate			
AEP AP11		20	1988320000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIS 0.4x2.0x60		1	9205690000
Identification systems			
WS 10/3.5 PLUS MC NE WS	960		2003760000
DEK 5/3.5 PLUS MC NE WS	1600		2003750000
DEK 5/3.5 MM WS	1000		2007100000
WS 8/3.5 MM WS	1000		2007140000

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

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

Potential distribution with separate fusing

Technical data

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

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
beige Wemid / red pusher	
beige Wemid / blue pusher	
beige Wemid / red and blue pushers	
Note	

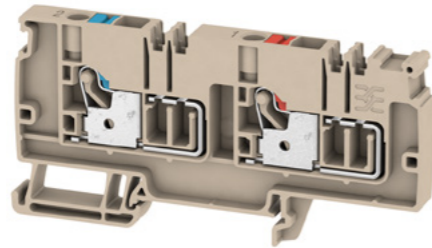
Accessories

Pluggable cross-connection	
2-pole / red	
10-pole / red	
2-pole / blue	
10-pole / blue	
End plate / Partition plate	
End bracket	
dark beige	
Test plug	
Screwdriver	
Standard	
Identification systems	

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

AAP13 6 LO-LO

6 mm²



8.1 x 96 x 48
41 / 6
0.5...6

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			
Note			
Approval in progress			

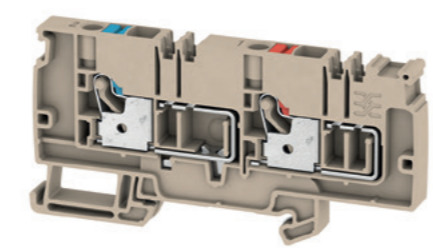
Type	Qty.	Order No.
AAP13 6 LO-LO	20	1988260000

Type	current	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
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
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

All MultiMark variants (MM) = strip markers

AAP13 6 FE-LO

6 mm²



8.1 x 96 x 48
41 / 6
0.5...6

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			
Note			
Approval in progress			

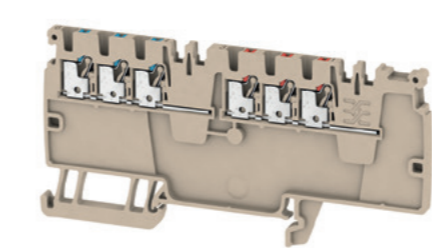
Type	Qty.	Order No.
AAP13 6 FE-LO	20	1988270000
FE = functional earth, contact to DIN rail.		

Type	current	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
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
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

All MultiMark variants (MM) = strip markers

AAP13 1.5 LI-LI

1.5 mm²



3.5 x 96 x 48
17.5 / 1.5
0.14...1.5

IEC/EN 60947-7-1:2009			
IEC	UL	CSA	EN 60079-7
250			
17.5			
1.5			
	4 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			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP13 1.5 LLI	50	1988280000

Type	current	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
SDIS 0.4x2.0x60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

All MultiMark variants (MM) = strip markers

Technical data

Universal range
PUSH IN technology



Application range
Signal wiring



Application range
Control voltage distribution



Potential distribution with separate fusing

AAP12 10 LO

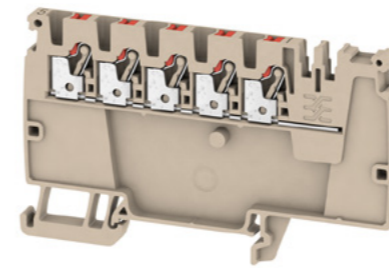
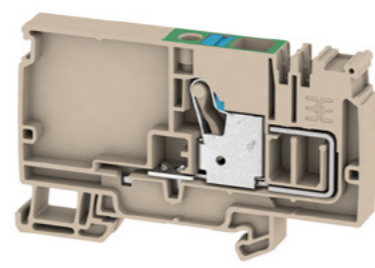
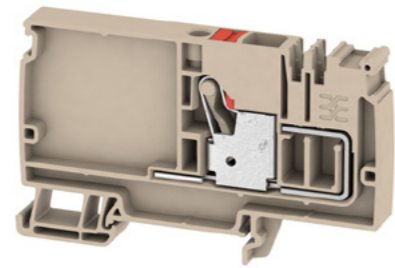
10 mm²

AAP12 10 FE

10 mm²

AAP12 2.5 LI

2.5 mm²



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

10 x 89 x 54	
57 / 10	
0.5...10	

10 x 89 x 54	
57 / 10	
0.5...10	

5.1 x 89 x 54	
24 / 2.5	
0.5...2.5	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	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			
Note			
Approval in progress			

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	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			
Note			
Approval in progress			

IEC/EN 60947-7-1:2009

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			
Note			
Approval in progress			

Ordering data

Version	
	beige Wemid / red pusher
	beige Wemid / blue pusher
	beige Wemid / red and blue pushers
Note	

Type	Qty.	Order No.
AAP12 10 LO RD	20	1988190000
AAP12 10 LO BL	20	1988180000

Type	Qty.	Order No.
AAP12 10 FE	20	1988200000
Note		
FE = functional earth, contact to DIN rail.		

Type	Qty.	Order No.
AAP12 2.5 LI RD	50	1988290000
AAP12 2.5 LI BL	50	1988100000

Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole/ red
	2-pole/ blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	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
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	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
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	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
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

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

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

Potential distribution with separate fusing

Technical data

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

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm ²
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 ²
Flexible / Flexible with ferrule	mm ²
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	beige Wemid / red pusher beige Wemid / blue pusher beige Wemid / red and blue pushers
Note	

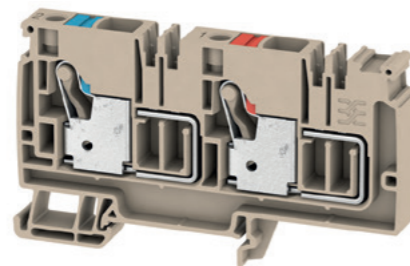
Accessories

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
2-pole / blue	
10-pole/ blue	
End plate / Partition plate	
End bracket	
dark beige	
Test plug	
Screwdriver	
Standard	
Identification systems	

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

AAP14 10 LO-LO

10 mm²



10 x 94 x 54	
57 / 10	
0.5...10	

IEC	UL	CSA	EN 60079-7
500			
57			
10			
	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			
Note			
Approval in progress			

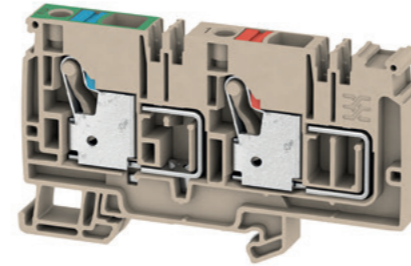
Type	Qty.	Order No.
AAP14 10 LO-LO	20	1988250000

Type	current	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
End plate / Partition plate			
AEP AP14		20	1988340000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

AAP14 10 FE-LO

10 mm²



10 x 94 x 54	
57 / 10	
0.5...10	

IEC	UL	CSA	EN 60079-7
500			
57			
10			
	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			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP14 10 FE-LO	20	1988240000

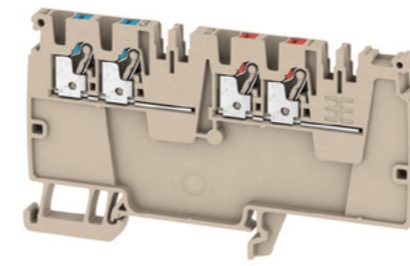
FE = functional earth, contact to DIN rail.

Type	current	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
End plate / Partition plate			
AEP AP14		20	1988340000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

AAP14 2.5 LI-LI

2.5 mm²



5.1 x 94 x 54	
24 / 2.5	
0.5...2.5	

IEC/EN 60947-7-1:2009			
IEC	UL	CSA	EN 60079-7
500			
24			
2.5			
	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			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP14 2.5 LHI	50	1988230000

Type	current	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
End plate / Partition plate			
AEP AP14		20	1988340000
End bracket			
AEB 35 SC/1		50	1991920000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

Technical data

Universal range
PUSH IN technology



Application range
Signal wiring



Application range
Control voltage distribution



maxGUARD – Feed-in module

Potential distribution with integrated electronic load monitoring

Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Surge protection
General data
Protection degree
Control inputs
Overvoltage category
Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

Ordering data

Rated current
Note

Accessories

Pluggable cross-connection
50-pole
50-pole / red
50-pole / blue
2-pole
2-pole/ red
2-pole / blue
Note

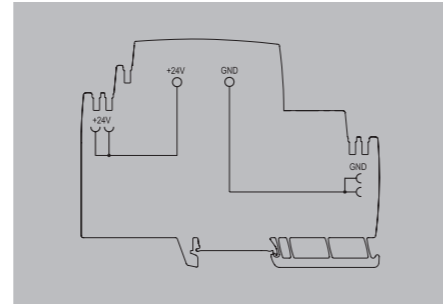
AMG FIM-0



18 ... 31.2 V DC
24 V DC
100 mVpp
Yes
PUSH IN
Yes
IP20
III
2 (+,-)
18...6
0.75...16 mm ²
0.75...10 mm ²
1.2 x 6.5
CE

Type	Qty.	Order No.
AMG FIM-0	1	2081870000

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000



maxGUARD – feed-in module

Potential distribution with integrated electronic load monitoring

Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Surge protection
General data
Protection degree
Control inputs
Overvoltage category
Signalling
LED yellow
LED green
LED red
Transistor output, positive-switching
Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

Ordering data

Rated current
Note

Accessories

Pluggable cross-connection
50-pole
50-pole / red
50-pole / blue
2-pole
2-pole/ red
2-pole / blue
Note

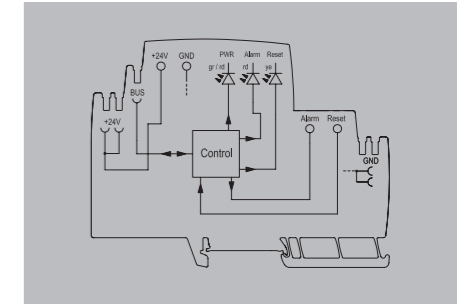
AMG FIM-C



18 ... 31.2 V DC
24 V DC
15 mA
100 mVpp
Yes
PUSH IN
Yes
IP20
ON/ OFF
III
External reset is signalled, Alarm is signalled
Operating voltage OK
Alarm
Alarm
2 (+,-)
18...6
0.75...16 mm ²
0.75...10 mm ²
1.2 x 6.5
CE

Type	Qty.	Order No.
AMG FIM-C	1	2081880000

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000



maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle) / Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Triggering characteristic
Switch-on delay
Capacitive load
Surge protection
Function button
LED initial state
Pressing the button
LED, subsequent state
Output, subsequent state
General data
Relay to activate the output
Protection degree / Overvoltage category
Signalling
LED green
LED red
Connection data
Number of terminals [Output]
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

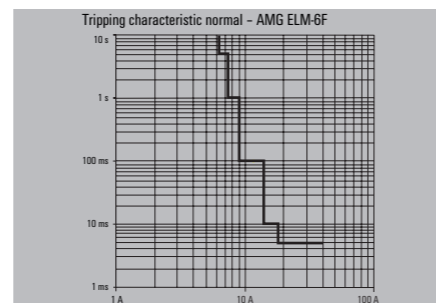
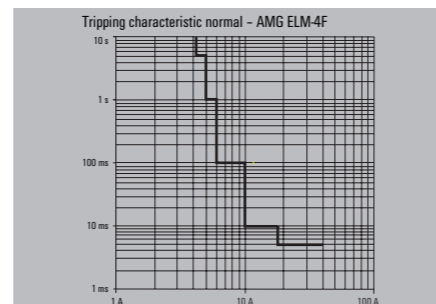
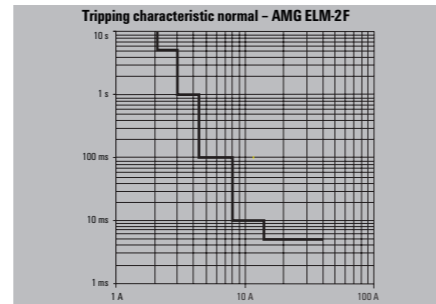
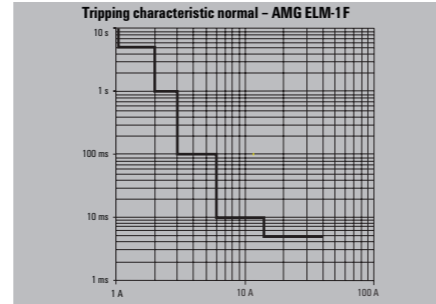
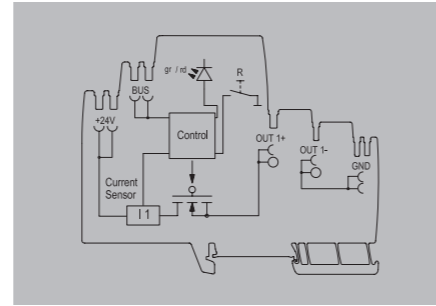
Ordering data

Rated current	1.00 A
	2.00 A
	4.00 A
	6.00 A
Note	

Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

AMG ELM



Yes	18 ... 31.2 V DC	24 V DC	25 mA / I _{OUT} +30 mA	100 mVpp	Yes	PUSH IN	see characteristic curve	1 s	10,000 µF	Yes	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)			
											> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)			
						Red LED switched off	Red LED switched off	LED green switched on			No	IP20 / III	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing) Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)			
											2 (+ / -)	26...12	0.14...2.5 mm ²	0.14...2.5 mm ²	0.6 x 3.5	CE

Type	Qty.	Order No.
AMG ELM-1F	1	2080420000
AMG ELM-2F	1	2080480000
AMG ELM-4F	1	2080490000
AMG ELM-6F	1	2080500000

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000

maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Triggering characteristic
Switch-on delay
Capacitive load
Surge protection
Function button
LED initial state
Pressing the button
LED, subsequent state
Output, subsequent state
General data
Relay to activate the output
Protection degree
Overvoltage category
Signalling
LED green
LED red
Connection data
Number of terminals [Output]
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

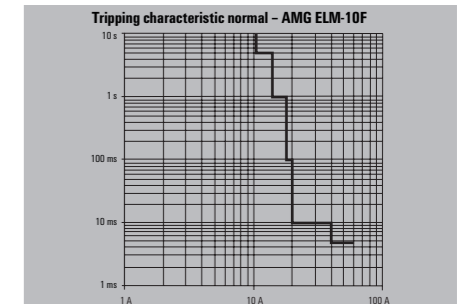
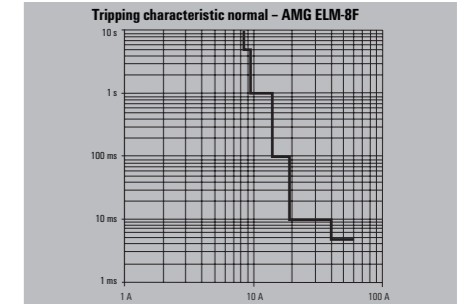
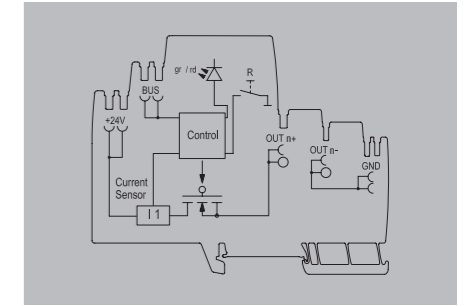
Ordering data

Rated current	8.00 A
	10.00 A
Note	

Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

AMG ELM



Yes	18 ... 31.2 V DC	24 V DC	25 mA	I _{OUT} +30 mA	100 mVpp	Yes	PUSH IN	see characteristic curve	1 s	15,000 µF	Yes	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)			
												> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)			
			Red LED switched off	Red LED switched off	LED green switched on						No	IP20	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing) Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)				
												4 (+ / -)	26...12	0.14...2.5 mm ²	0.14...2.5 mm ²	0.6 x 3.5	CE

Type	Qty.	Order No.
AMG ELM-8F	1	2080600000
AMG ELM-10F	1	2080650000

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000



maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

Technical data

Input		
Input fuse (internal)	Yes	
DC input voltage range	18 ... 31.2 V DC	
Rated input voltage	24 V DC	
Current consumption (idle)	25 mA	
Current consumption (full load)	I _{OUT} +30 mA	
max. admissible residual ripple at the input	100 mVpp	
Surge protection	Yes	
Output		
Connection system [Output]	PUSH IN	
Triggering characteristic	see characteristic curve	
Switch-on delay	1 s	
Capacitive load	15,000 µF	
adjustable rated current	adj.: 1-2-3-4-6 A	
Surge protection	Yes	
Function button		
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)
LED, subsequent state	Red LED switched off	LED green switched on
Output, subsequent state	Red LED switched off	LED green switched on
General data		
Relay to activate the output	No	
Protection degree	IP20	
Overvoltage category	III	
Signalling		
LED green	Operation (failure-free), Early warning: I _{Out} > 90% I _{Rated} (flashing)	
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)	
Connection data		
Number of terminals [Output]	2 (+ / -)	
Wire cross-section, AWG/kcmil min/max	26...12	
Wire cross-section, flexible min/max	0.14...2.5 mm ²	
Wire cross-section, rigid min/max	0.14...2.5 mm ²	
Screwdriver blade	0.6 x 3.5	
Approvals		
Approvals	CE	
Note		

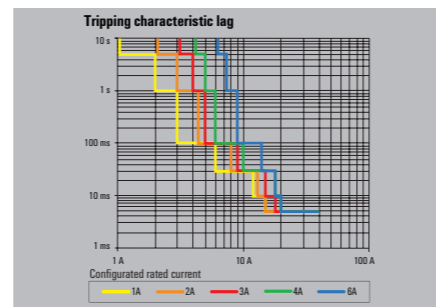
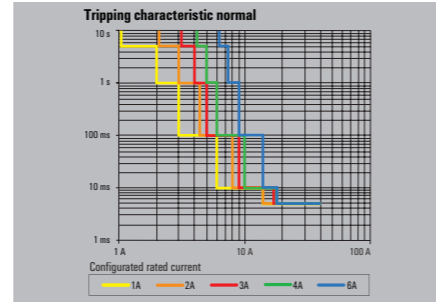
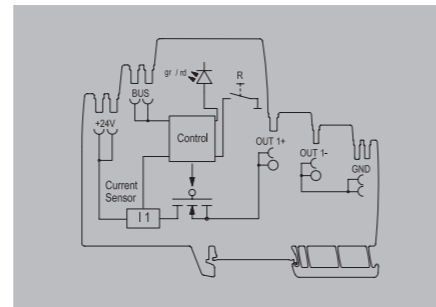
Ordering data

Rated current	6.00 A
Note	

Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

AMG ELM-6



Type	Qty.	Order No.
AMG ELM-6	1	2080360000

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000

maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

Technical data

Input		
Input fuse (internal)	Yes	
DC input voltage range	18 ... 31.2 V DC	
Rated input voltage	24 V DC	
Current consumption (idle)	25 mA	
Current consumption (full load)	I _{OUT} +30 mA	
max. admissible residual ripple at the input	100 mVpp	
Surge protection	Yes	
Output		
Connection system [Output]	PUSH IN	
Triggering characteristic	see characteristic curve	
Switch-on delay	1 s	
adjustable rated current	adj.: 4-6-8-10-12 A	
Capacitive load	20,000 µF	
Surge protection	Yes	
Function button		
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)
LED, subsequent state	Red LED switched off	LED green switched on
Output, subsequent state	Red LED switched off	LED green switched on
General data		
Relay to activate the output	No	
Protection degree	IP20	
Overvoltage category	III	
Signalling		
LED green	Operation (failure-free), Early warning: I _{Out} > 90% I _{Rated} (flashing)	
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)	
Connection data		
Number of terminals [Output]	4 (+ / -)	
Wire cross-section, AWG/kcmil min/max	26...12	
Wire cross-section, flexible min/max	0.14...2.5 mm ²	
Wire cross-section, rigid min/max	0.14...2.5 mm ²	
Screwdriver blade	0.6 x 3.5	
Approvals		
Approvals	CE	
Note		

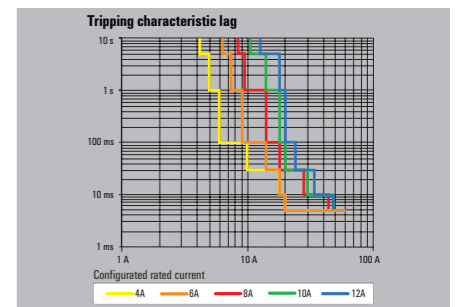
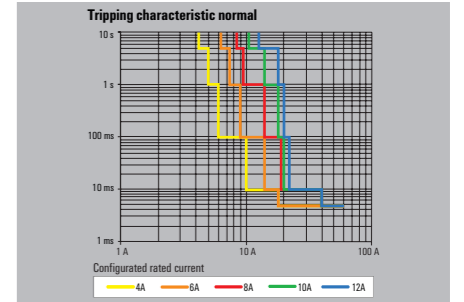
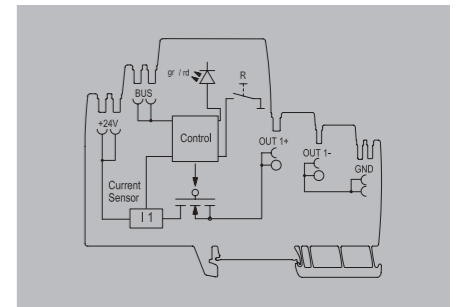
Ordering data

Rated current	12.00 A
Note	

Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

AMG ELM-12



Type	Qty.	Order No.
AMG ELM-12	1	2080410000

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000



maxGUARD – Alarm module

Potential distribution with integrated electronic load monitoring

Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Triggering characteristic
Switch-on delay
Capacitive load
Surge protection
General data
Relay to activate the output
Protection degree
Control inputs
Overvoltage category
Signalling
LED yellow
LED red
Floating contact
Status relay (max. load)
Connection data
Number of terminals [Output]
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

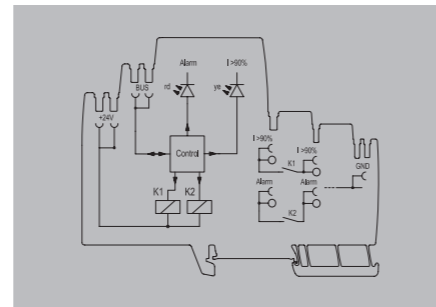
Ordering data

Rated current
Note

Accessories

Pluggable cross-connection
50-pole
50-pole / red
50-pole / blue
2-pole
2-pole/ red
2-pole / blue
Note

AMG AM



18 ... 31.2 V DC
24 V DC
20 mA
100 mVpp
Yes
PUSH IN
Yes
IP20
III
Current > 90% I _{nom} (flashing)
Alarm
Yes
Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
4 (2 x NO)
26...12
0.14...2.5 mm ²
0.14...2.5 mm ²
0.6 x 3.5
CE

Type	Qty.	Order No.
AMG AM	1	2081890000

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

maxGUARD – Control module

Potential distribution with integrated electronic load monitoring

Technical data

Input
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
Output
Connection system [Output]
Surge protection
General data
Relay to activate the output
Protection degree
Control inputs
Overvoltage category
Signalling
LED green
LED red
Transistor output, positive-switching
Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

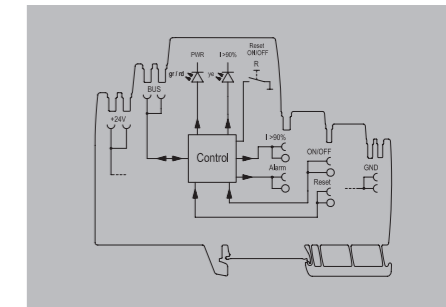
Ordering data

Rated current
Note

Accessories

Pluggable cross-connection
50-pole
50-pole / red
50-pole / blue
2-pole
2-pole/ red
2-pole / blue
Note

AMG CM



18 ... 31.2 V DC
24 V DC
20 mA
100 mVpp
Yes
PUSH IN
Yes
IP20
ON/ OFF, Reset
III
Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Pre-warning, Alarm
4 (Reset / ON / Pre-warning / Alarm)
26...12
0.14...2.5 mm ²
0.14...2.5 mm ²
0.6 x 3.5
CE

Type	Qty.	Order No.
AMG CM	1	2081900000

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

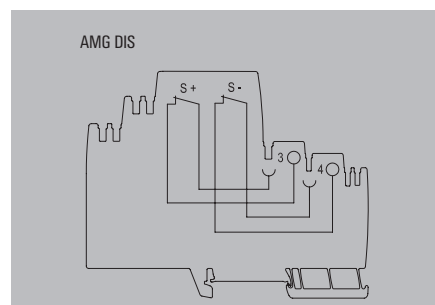
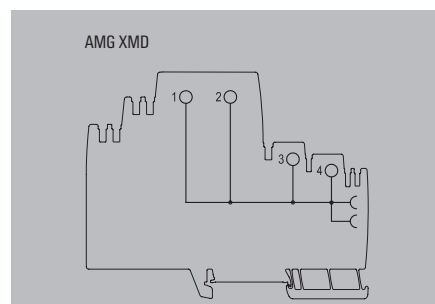
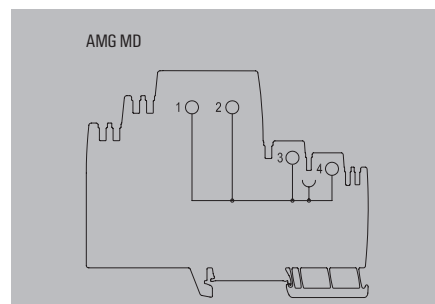
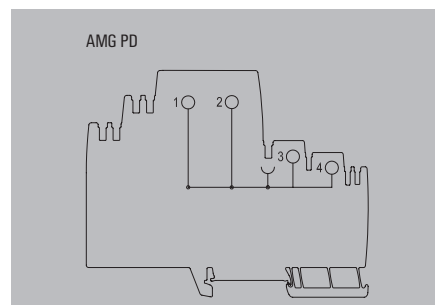
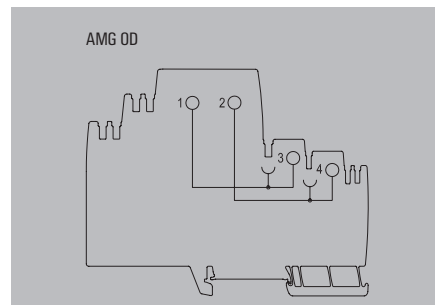
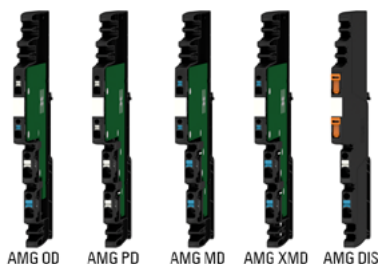


Control current distribution PUSH IN connection

maxGUARD – Potential distributor

Potential distribution with integrated electronic load monitoring

AMG



Technical data

General data	
Protection degree	IP20
Connection data	
Connection system [Output]	PUSH IN
Number of terminals [Output]	4 (++ / -), 2 x 1.5 mm ² , 2 x 2.5 mm ²
Wire cross-section, AWG/kcmil min/max	26..12
Wire cross-section, flexible min/max	0.14..2.5 mm ²
Wire cross-section, rigid min/max	0.14..2.5 mm ²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE
Note	

Ordering data

Note	
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Type	Qty.	Order No.
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG MD	20	2122930000
AMG XMD	40	2122940000
AMG DIS	50	2123050000

Accessories

Pluggable cross-connection	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole / red	
2-pole / blue	
Note	

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

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