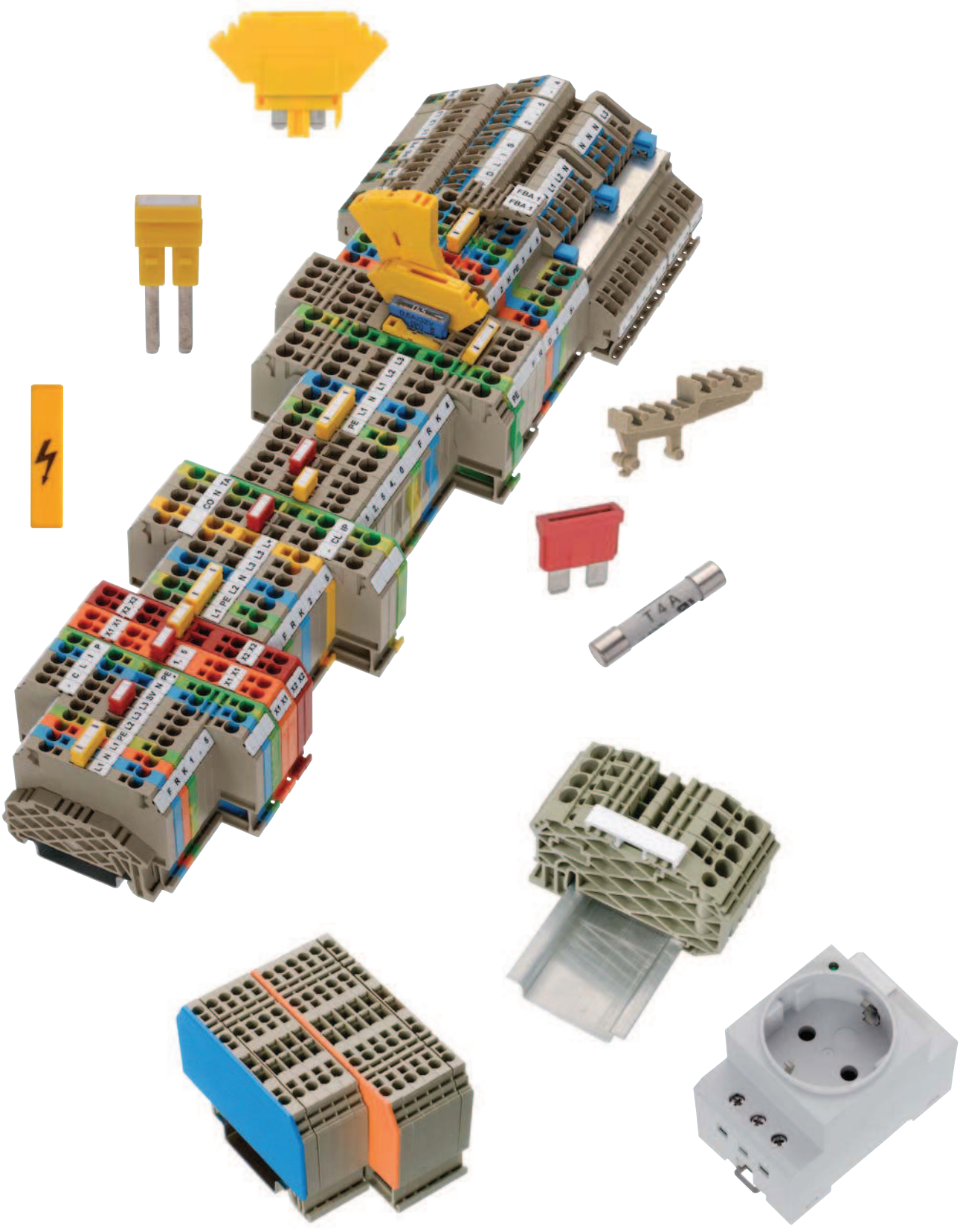
General accessories for CONTA-CONNECT

The **CONTA-CLIP** line of accessories is conceived and designed with the customer in mind. Our accessories allow you to move forward on a great number of technical applications with a minimum of effort and parts.

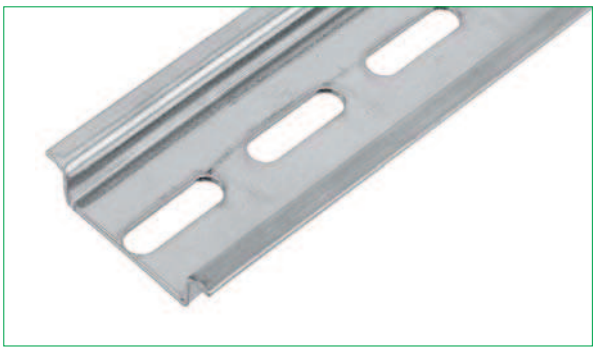


General accessories for CONTA-CONNECT

Overview

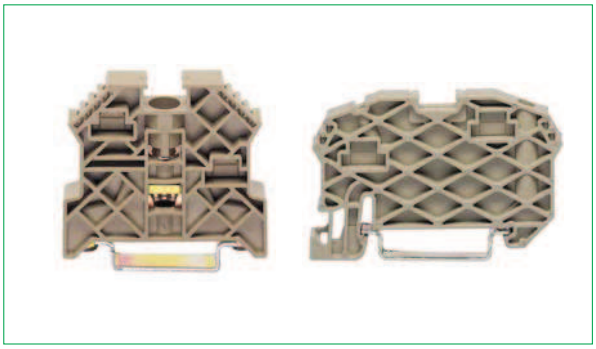
DIN rails

A wide variety of DIN rails are available, in two-meter sections or pre-cut as required. They vary in shape, size and material. They fit on various rail types ((C profile TS 32, Automatic profile TS 35, compact rail TS 15), are made from steel, copper or PVC, and are available in slotted or unslotted versions.



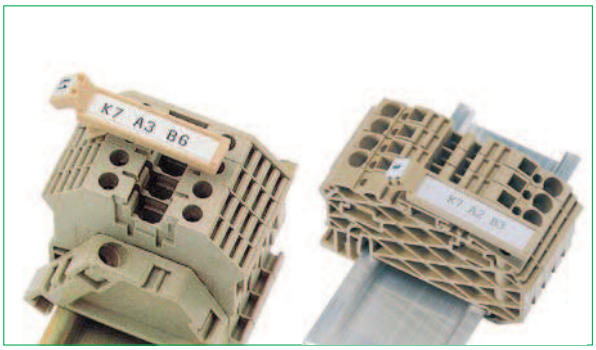
End stops | End supports

End stops are necessary for preventing movement of components along the rail. They are put in at the beginning and at the end of the rail assembly. Depending on the DIN rail, they differ in the dimensions of the mounting foot and their screw-on or snap-on design. End stops can also be used to hold a variety of group marker holders. An end support with screw flange or snap-in clip ensures that the terminal block is securely attached to the mounting plates.



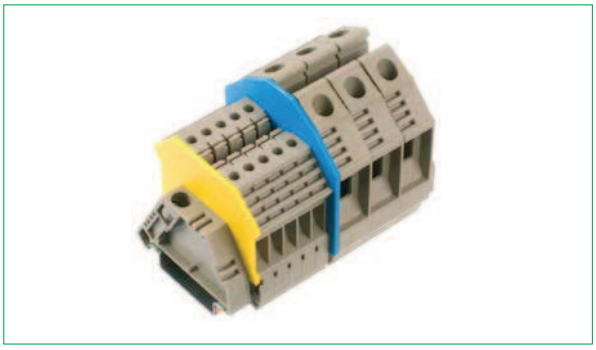
Group marker holders

Group marker holders allow you to clearly label terminal strip configurations. They are available in a variety of versions. Adhesive labels, paper strips or standard terminal markers are used for the labelling.



End plates | Visual separation

End plates are normally attached to the end or to the transition from a larger to a smaller terminal block. They ensure that there is enough insulation (touch protection) for the current-carrying section.

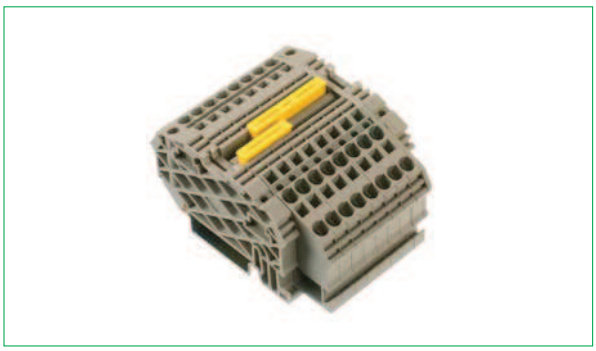


General accessories for CONTA-CONNECT

Overview

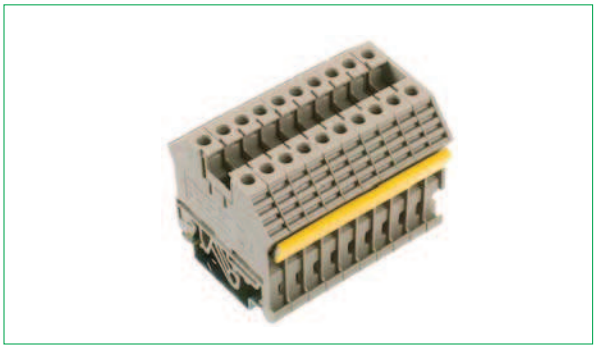
Cross-connectors

Cross-connectors save you time when distributing similar potentials or signals in a large number of electrical connections. They are either pluggable or screwable and are available with from 2 to 99 poles. The terminal block design and the variability of the cross-connector ensure excellent flexibility.



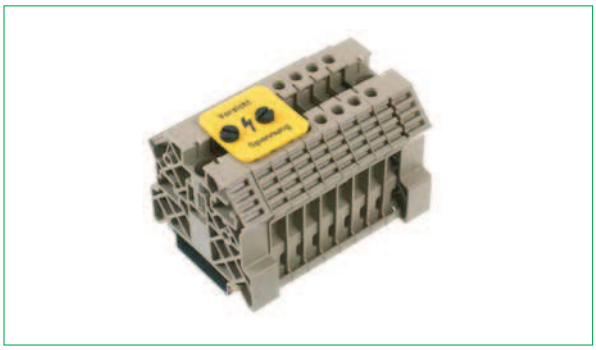
External cross-connector

External cross-connection bridges make it possible to branch off the current for terminal blocks which do not have a cross-connection channel or when an additional potential needs to be cross-connected. The attachment is at the clamping point of the terminal. As a result, the rated cross-section of the terminal block must be reduced to the next smallest wire cross-section.



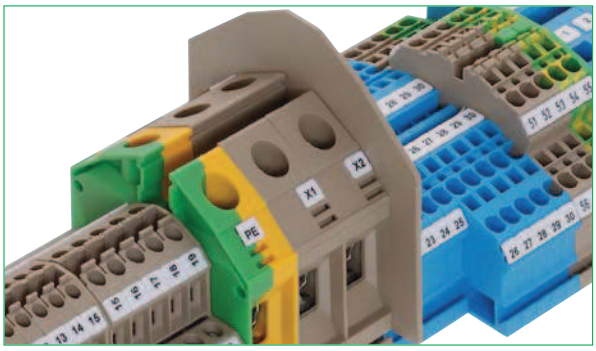
Covers

VDE regulations require that the mains connection terminals are mounted before the main switch be covered. The yellow covers (labelled with a lightning flash) are used to cover the cross-connection and operational channels. Thus they discourage operation of the terminal while live voltage is present.



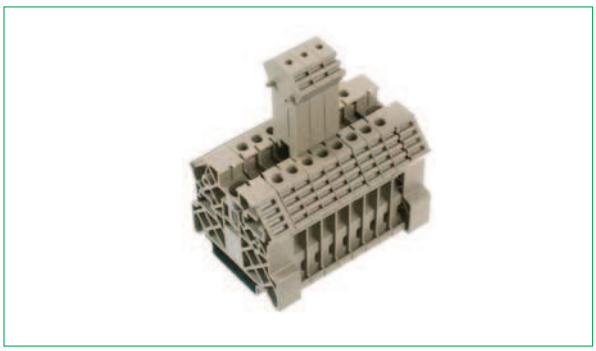
Partition plates

Partition plates are attached within a terminal strip assembly so that there is a clear visual separation of the different voltage levels. When used, they also serve to extend the creepage and clearance distances (increased rated voltage).



Testing and inspecting

A direct measurement can be carried out at the busbar on the screw-connection terminal by using a **PS** test plug and attaching a socket plug. The test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner.

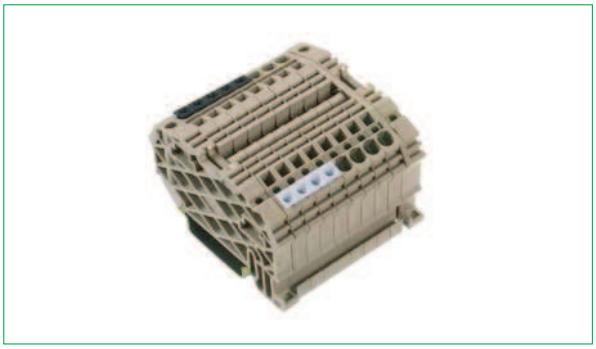


General accessories for CONTA-CONNECT

Overview

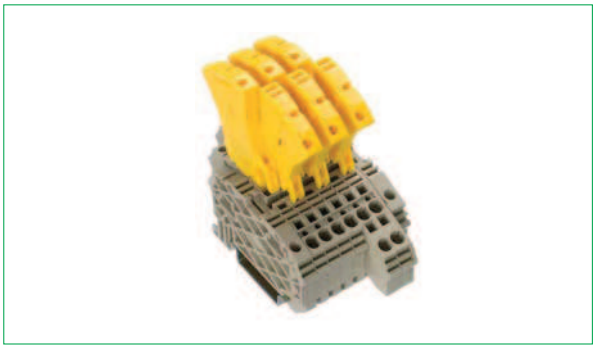
Reducing sleeves

The **ZRH** tension-spring reducing sleeves allow you to securely attach a small wire in a terminal point without splaying off the individual strands.



Fuse holders

The plug-in fuse holders are available as models with or without a status display. When used together with the base terminals, they provide excellent flexibility, ease of use, and a large variety in the 5x20 mm micro-fuse range.

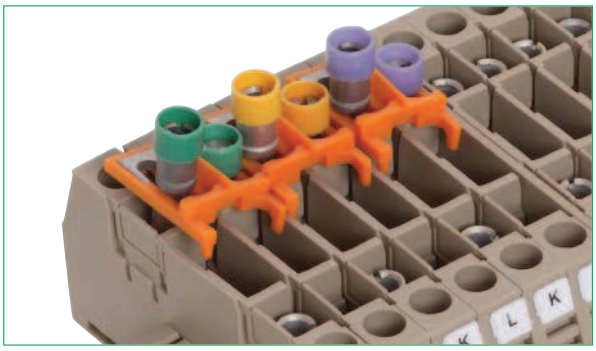


Fuse cartridges

G fuses are available in the 5 x 20 mm and 6.3 x 32 mm sizes, and in the “slow-acting” and “fast” versions. They are used with the **STK/SIK/SK/ZTRK** fused terminals and fuse-disconnect terminals. Additional auto-fuses, in compliance with DIN 72581, are available for fused terminal blocks in pressure-spring and tension-spring connection systems.

Specific accessories, test-disconnect terminals PTK

In addition to the standard accessories, the test-disconnect terminal product line includes many special articles. Internal and external cross-switch bridges, socket plugs and short-circuit plugs, for example, are required for constructing a secure terminal strip unit for measurement circuit applications.



Actuating tools

The fully-insulated **BW 1** to **BW 10** tools and the **BWMA** metallic tools can be used to actuate the pressure springs and tension springs in terminal blocks with cross-sections of 2.5 mm².

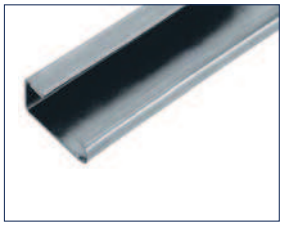
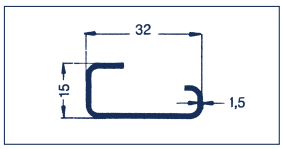
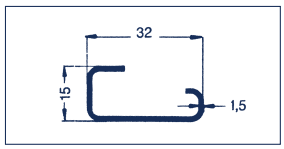
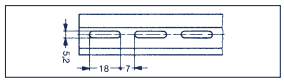
TS DIN rails

DIN rails TS 32 / TS 35

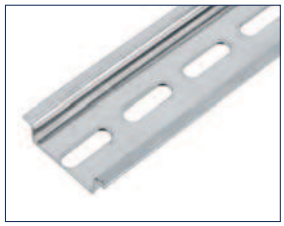
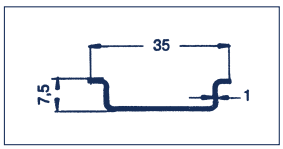
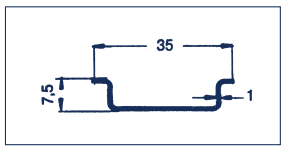
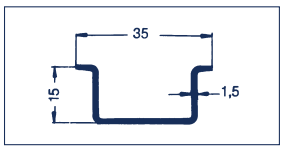
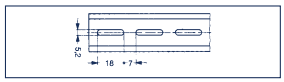
The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

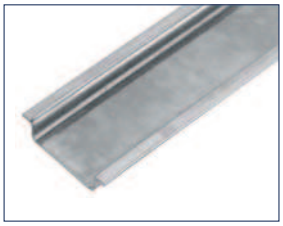
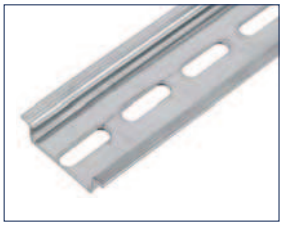
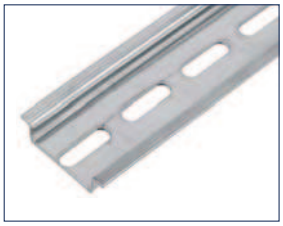
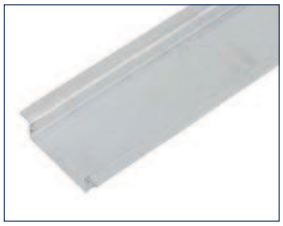
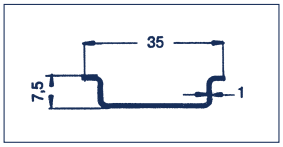
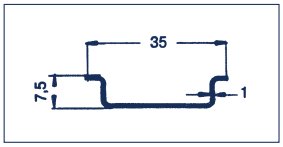
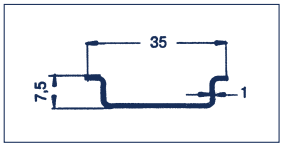
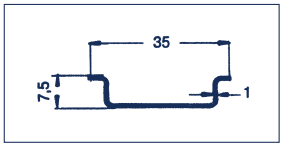
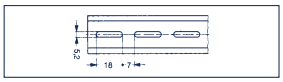
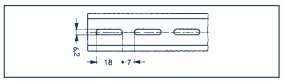
- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

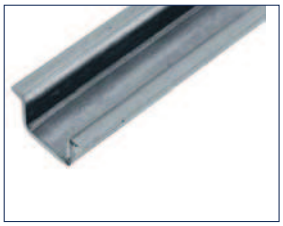
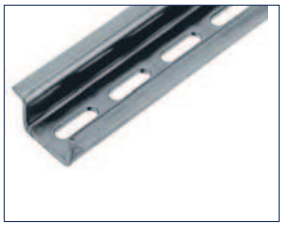
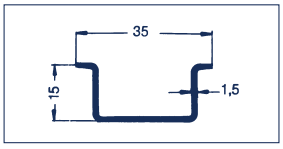
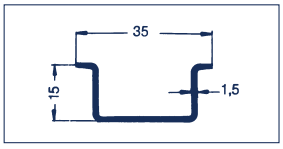
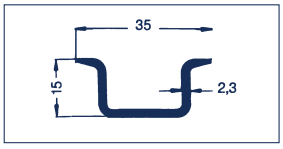
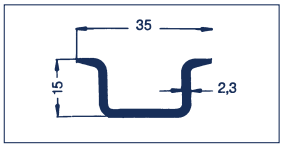
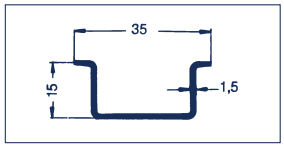
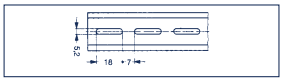
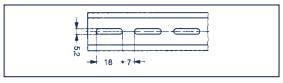
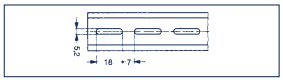
The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

	TS 32	TS 32	
			
			
			
Type	**Qty.**	**Qty.**	
Type	TS 32	TS 32	
Cat. no.	**2025.0** 2 m	**2093.0** 2 m	
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	
Processing	unslotted	slotted 5.2 x 18	

DIN rails TS 35

	TS 35	TS 35	TS 35
			
			
			
Type	**Qty.**	**Qty.**	**Qty.**
Type	TS 35 x 7.5 galvanized	TS 35 x 7.5 galvanized	TS 35 x 15
Cat. no.	**4562.0** 2 m	**4563.0** 2 m	**2027.0** 2 m
Type/colour			
Cat. no.			
Features			
Material	Galvanized steel	Galvanized steel	Steel
Processing	unslotted	slotted 5.2 x 18	unslotted

TS 35	TS 35	TS 35	TS 35	
				
				
				
Qty.	Qty.	Qty.	Qty.	
TS 35 x 7.5 **2026.0** 2 m	TS 35 x 7.5 **2094.0** 2 m	TS 35 x 7.5 **2704.0** 2 m	TS 35 x 7.5 ALU **2710.0** 2 m	
Steel unslotted	Steel slotted 5.2 x 18	Steel slotted 6,2 x 18	Aluminium unslotted	

TS 35	TS 35	TS 35	TS 35	TS 35
				
				
				
Qty.	Qty.	Qty.	Qty.	Qty.
TS 35 x 15 **2095.0** 2 m	TS 35 x 15 **4566.0** 2 m	TS 35 x 15/2.3 **2038.0** 2 m	TS 35 x 15/2.3 **2039.0** 2 m	TS 35 x 15 galvanized **4561.0** 2 m
Steel slotted 5.2 x 18	Steel slotted 6.2 x 18	Steel unslotted	Steel slotted 5.2 x 18	Galvanized steel unslotted

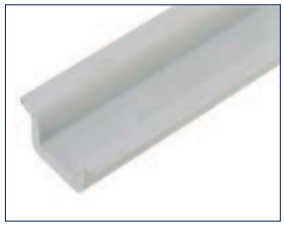
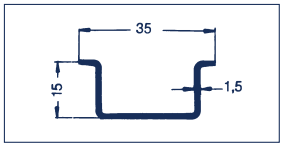
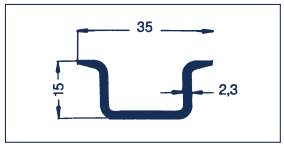
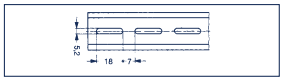
TS DIN rails

DIN rails TS 35

The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

	TS 35	TS 35	
			
			
			
Type	**Qty.**	**Qty.**	
Type	TS 35 x 15 galvanized	TS 35 x 15 PVC	
Cat. no.	**4564.0** 2 m	**2372.0** 2 m	
Type/colour			
Cat. no.			
Features			
Material	Galvanized steel	PVC	
Processing	slotted 5.2 x 18	unslotted	

Rails / protective earth / busbars according to DIN VDE 0611, part 3

Type	Cat. no.	Material	Short-circuit resistance	Max. short-circuit current KA	Max. allowed thermal rated current, with PEN function
TS 32	**2025.0**	Steel	35	4.2	*
TS 32 slotted	**2093.0**	Steel	35	4.2	*
TS 35 x 7.5	**2026.0**	Steel	16	1.92	*
TS 35 x 7.5 slotted	**2094.0**	Steel	16	1.92	*
TS 35 x 7.5	**2704.0**	Steel	16	1.92	*
TS 35 x 7.5	**4562.0**	Galvanized steel	16	1.92	*
TS 35 x 7.5 slotted	**4563.0**	Galvanized steel	16	1.92	*
TS 35 x 7.5	**2710.0**	Aluminium	35	4.2	105
TS 35 x 15	**2027.0**	Steel	25	3.0	*
TS 35 x 15	**4561.0**	Galvanized steel	25	3.0	*
TS 35 x 15 slotted	**2095.0**	Steel	25	3.0	*
TS 35 x 15 slotted	**4566.0**	Steel	25	3.0	*
TS 35 x 15/2.3	**2038.0**	Steel	50	6.0	*
TS 35 x 15/2.3, slotted	**2039.0**	Steel	50	6.0	*
TS 15	**2091.0**	Steel	10	1.2	*
TS 15 slotted	**2092.0**	Steel	10	1.2	*
TS 15	**2711.0**	Aluminium	16	1.92	81
TS 15 slotted	**2378.0**	Aluminium	16	1.92	82

* Use of protective earth steel busbars is not permitted for PEN functionality!

Notes

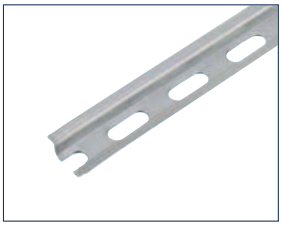
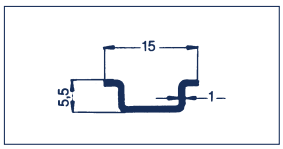
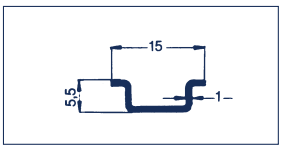
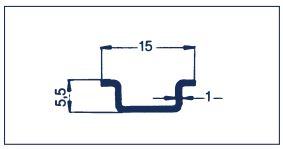
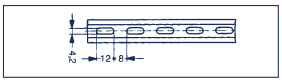
DIN rails TS | DIN rail brackets TSTW/TST

DIN rails TS 15

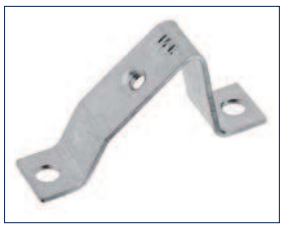
The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

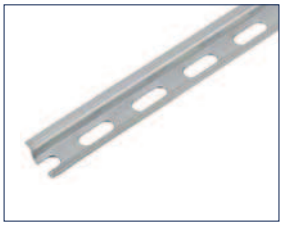
The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

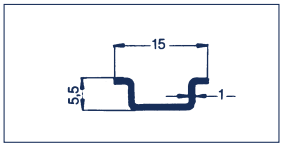
	TS 15	TS 15	TS 15
			
			
			
Type			
Type	TS 15 unslotted	TS 15 slotted	TS 15 ALU unslotted
Cat. no.	**2091.0**	**2092.0**	**2711.0**
Qty.	2m	2m	2m
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	Aluminium
Processing	unslotted	slotted 4.2 x 12	unslotted

DIN rail brackets TSTW/TST

	TSTW/M6	TSTW/M6	TSTW/F/M6
			
	DIN rail bracket M6	DIN rail bracket M5	DIN rail bracket M6
Type			
Type	TSTW/M6	TSTW/M6	TSTW/F/M6
Cat. no.	**2303.0**	**2414.0**	**2563.0**
Qty.	10	10	10
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	Steel
Drill hole	M 6	M 5	M 6
Height, mm	48	48	32
Accessories			
Screw	BS M 6x12/15	BS M 5x8/15	BS M 6x12/15
Cat. no.	**2304.0**	**2415.0**	**2304.0**
Qty.	50	50	50

TS 15





Qty.	
TS 15 ALU slotted **2378.0**	2m

Aluminium
slotted 4.2 x 12

TSTW/F/M5

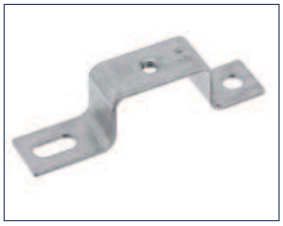
DIN rail bracket M5

Qty.	
TSTW/F/M5 **2564.0**	10

Steel
M 5
32

Qty.	
BS M 5x8/15 **2415.0**	50

TST/M6



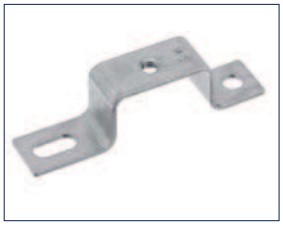
DIN rail bracket M6

Qty.	
TST/M6 **2737.0**	10

Steel
M 6
20

Qty.	
BS M 6x12/15 **2304.0**	50

TST/M5



DIN rail bracket M5

Qty.	
TST/M5 **2736.0**	10

Steel
M 5
20

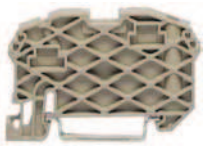
Qty.	
BS M 5x8/15 **2415.0**	50

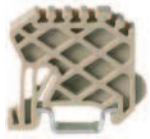
End stops | End supports

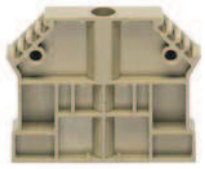
End stops TS 35	ES 35	ES 35/2/K	ES 35/K/ST
End stops are necessary for preventing movement of components along the rail. They are put in at the beginning and at the end of the rail assembly. Depending on the DIN rail, they differ in the dimensions of the mounting foot and their screw-on or snap-on design.			
	Screw end stop	Screw end stop	Screw end stop
Dimensions			
Dimensions (LxWxH), mm	46 x 7.5 x 32	50 x 8 x 47	50 x 9.5 x 44
Type	**Qty.**	**Qty.**	**Qty.**
Type	ES 35 BG	ES 35/2/K BG	ES 35/K/ST BG
Cat. no.	**2005.2** 50	**2826.2** 50	**2828.0** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
DIN rails	TS 35	TS 35	TS 35
Terminal width, mm	7.5	8	9,5

End stops TS 32	ES 32	ES 32/2/K	ES 32/2K/ST
			
	Screw end stop	Screw end stop	Screw end stop
Dimensions			
Dimensions (LxWxH), mm	27 x 7.5 x 44	48 x 8 x 49	50 x 9.5 x 44
Type	**Qty.**	**Qty.**	**Qty.**
Type	ES 32 BG	ES 32/2/K BG	ES 32/K/ST BG
Cat. no.	**2004.2** 50	**2825.2** 50	**2827.0** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
DIN rails	TS 32	TS 32	TS 32
Terminal width, mm	7.5	8	9.5

End support for BKA / KBL	EH 1	EH 2	EH 2-Z
			
	Screw end support	Screw end support	screwless End support
Dimensions			
Dimensions (LxWxH), mm	22 x 7 x 21	22 x 7 x 23	22 x 5 x 23
Type	**Qty.**	**Qty.**	**Qty.**
Type	EH 1 BG	EH 2 BG	EH 2-Z BG
Cat. no.	**2135.2** 50	**2136.2** 50	**2147.2** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
Mounting	Direct mounting	Direct mounting	Direct mounting
Terminal width, mm	7	7	5
Hole diameter, mm	3.5	3.5	-
For terminal			
	RKB 4	BKA 2,5 BKA 4	BKA 2,5 BKA 4

ES 32/35	HES 35 ST	ZES 35	ZES 35/2	
				
Screw end stop	Screw end stop	Screwless end stop	Screwless end stop	
52 x 9.5 x 47	49 x 11 x 69	59 x 6 x 39	49 x 5 x 34	
Qty.	**Qty.**	**Qty.**	**Qty.**	
ES 32/35 BG **1424.2** 50	HES 35/ST BG **2761.0** 50	ZES 35 BG **3748.2** 50	ZES 35/2 BG **3811.2** 50	
PA 6.6 V2	Steel	PA 6.6 V2	PA 6.6 V2	
TS 35 / TS 32	TS 35	TS 35	TS 35	
9,5	11	6	5	

ES 32/35	HES 32 ST	End stops TS 15	ES 15	ZES 15
				
Screw end stop	Screw end stop		Screw end stop	Screwless end stop
52 x 9,5 x 47	49 x 11 x 69	Dimensions (L x W x H), mm	26 x 7.5 x 22	27 x 5 x 24
Qty.	**Qty.**	**Type**	**Qty.**	**Qty.**
ES 32/35 BG **1424.2** 50	HES 32/ST BG **2760.0** 50	Type **Cat. no.**	ES 15 BG **2074.2** 50	ZES 15 BG **3812.2** 50
PA 6.6 V2	Steel	**Features**	PA 6.6 V2	PA 6.6 V2
TS 35 / TS 32	TS 32	Material	TS 15	TS 15
9,5	11	DIN rails	7.5	5
		Terminal width, mm		

EH 3	EH 4	EH 15 BKA	EH 35 BKA	ZEH 1
				
Screw end support	Screw end support	Screw end support	Screw end support	Screw end support
30 x 8 x 31	46 x 8 x 36	31 x 9 x 28	46 x 8 x 39	40 x 11,1 x 24
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
ES 3 BG **2939.2** 50	EH 4 BG **2180.2** 50	EH 15 BKA BG **2945.2** 50	EH 35 BKA BG **2946.2** 50	ZEH 1 BG **3759.2**
PA 6.6 V2	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2	PA 6.6 V0
Direct mounting	Direct mounting	TS 15	TS 35	Direct mounting
8	8	9	8	11.1
3.5	3.5	-	-	3.5
BKA 10	KBL 2,5D KBL 2,5-4D KBL 6-10D	BKA 2,5 BKA 4	BKA 10	ZSRK... ZSLN...

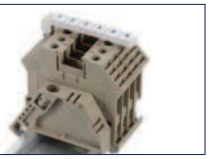
Marker holders for terminal blocks and end stops

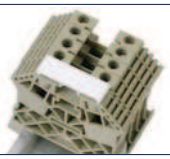
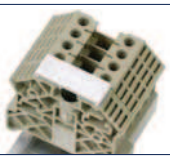
Marker holders for terminal blocks and end stops

These marker holders provide a solution for marking a group of terminals or devices on the DIN rail.

The marker holders are available for attaching to terminal blocks and end stops.
The GT1 and GT2 group marker holders can be attached directly to the DIN rail. Depending on the type, they can be be marked with SB and AS terminal markers.
Custom marking is possible with BS-1 pen or EMS-2 plotter.

Material: Polyamide 6.6 V2, halogen-free

	SchT 4/8 - SchT 6/12	SchT 7	ZSchT1
			
	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SchT 4/8 *1	SchT 7, short joint	ZSchT 1
Cat. no.	**2528.0** 100	**2504.0** 100	**3773.0** 100
Type/colour	SchT 6/12 *2	SchT 7, long joint	
Cat. no.	**2529.0** 100	**2361.0** 100	100
Colours available	(2)	(2)	(2)
Characteristics			
Dimensions			
Width, mm	5	8.5	8.5
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40 °C to +105°C	-40 °C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Application			
Terminal blocks	≥ 5 mm	≥ 5 mm	≥ 5 mm
End stop	All types	All types	All types
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Terminal marker PMC Cat. no.	PMC SB 5/50 WH **4600.7** 339 500		
Terminal marker MC Cat. no.	MC SB 5/200 **3300.7** 356 1000		
Terminal marker AS3 Cat. no.	AS 3/10 WH **2571.0** 354 500		
Insert marker Cat. no.		ESO 1 sheet of 120 pieces **2584.0**	ESO 1 sheet of 120 pieces **2584.0**
Adhesive device labels GKE Cat. no.		GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 398	GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 398
Protective strips Cat. no.		STR 1 **2506.0** 100	STR 1 **2506.0** 100
Shield cap SK Cat. no.			

	SchT 9	SchT 10	ZSchT 3
			
	Marker holders for end stops	Marker holders for end stops	Hinged marker holder for end stop
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SchT 9	SchT 10	ZSchT 3
Cat. no.	**3749.0** 100	**3809.0** 100	**3775.2** 100
Type/colour			
Cat. no.			
Colours available	(0)	(0)	(2)
Characteristics			
Dimensions			
Width, mm	8	9,5	8,5
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS-2	EMS-2	
Plotter inlay	CCI-11	CCI-11	
Marker pen	BS-1	BS-1	
Application			
Terminal blocks	-	-	-
End stop	ES../2/K | ES../K/ST	ES../K/ST	ES/.. | ZES 35
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Insert marker **Cat. no.**			ESO 1 sheet of 120 pieces **2584.0**
Adhesive device labels GKE **Cat. no.**			GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 404
Protective strips **Cat. no.**			STR 1 **2506.0** 100

More accessories starting on page 264.

*1: 4 x SB or 8 x AS markers
*2: 6 x SB or 12 x AS markers

ZSchT2

Hinged marker holder for terminal block and end stop

Qty.
ZSchT 2
3774.0 100

(2)

8,5

PA6.6, halogen-free

-40°C to +105°C

V2

≥ 5 mm

All types

Page	Qty.
ESO **2584.0**	1 sheet of 120 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 1 **2506.0**	100

SchT 12

Marker holder for terminal block

Qty.
SchT 12*1
2531.0 100

(2)

6

PA6.6, halogen-free

-40°C to +105°C

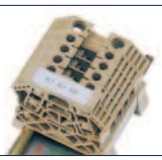
V2

RK2,5-4 | RK6-10

-

Page	Qty.
PMC SB 5/50 WH **4600.7**	339 500
MC SB 5/200 **3300.7**	356 1000
AS 3/10 WH **2571.0**	354 500

SchT 2



Marker holders for end stops

Qty.
SchT 2
2888.0 100

(2)

9,5

PA6.6, halogen-free

-40°C to + 105°C

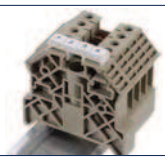
V2

-

ES../2/K | ES../K/ST

Page	Qty.
ESO 2 **2877.0**	10
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 2 **2878.0**	100

SchT 11



Marker holders for end stops

Qty.
SchT 11*1
2530.0 100

(0)

5

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES../2/K | ES../K/ST | ZES35/2

Page	Qty.
PMC SB 5/50 WH **4600.7**	339 500
MC SB 5/200 **3300.7**	356 1000
AS 3/10 WH **2571.0**	354 500

ZSchT 4

Hinged marker holder for end stop

Qty.
ZSchT 4
3776.0 100

(2)

8.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES/.. | ZES 35

Page	Qty.
ESO **2584.0**	1 sheet of 120 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 1 **2506.0**	100

ZSchT 5

Hinged marker holder for end stop

Qty.
ZSchT 5
3777.0 100

(2)

6

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES../2/K | ES../K/ST | ZES35

Page	Qty.
ESO 3 **2585.0**	1 sheet of 124 pieces
STR 3 **2579.0**	100

ZSchT 6

Marker holders for end stops

Qty.
ZSchT 6
3807.0 100

(0)

6

PA6.6, halogen-free

-40°C to +105°C

V2

EMS-2

CCI-11

BS-1

-

ES../2/K | ES../K/ST | ZES35

Page	Qty.

GT 1

Group marker holder for TS35/32 DIN rail

Qty.
GT 1
3783.2 20

9.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

-

Page	Qty.
ESO GT 1 **2580.0**	1 sheet of 140 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR GT 1 **2582.0**	20

GT 2

Group marker holder for TS35/32 DIN rail

Qty.
GT 2
3784.2 20

(2)

19.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

-

Page	Qty.
ESO GT 2 **2581.0**	1 sheet of 60 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR GT 2 **2583.0**	20

End plates | Visual separation

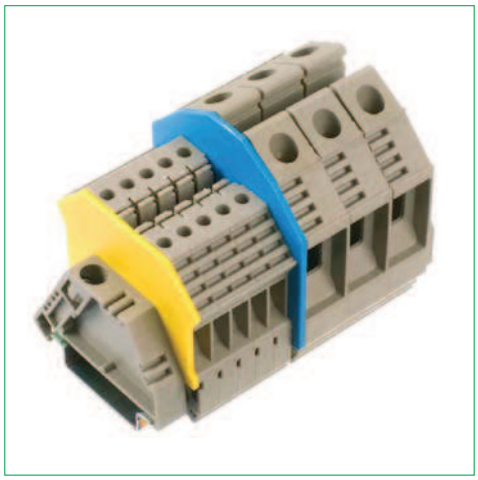
Screw connection system

The AP end plates are normally used at the end of a row of terminals. If different terminals are being used within the same terminal block, then you should insert end plates in order to ensure that the touch-safe protection is maintained. The outer dimensions of the end plates match the dimensions of the terminals.

Coloured end plates are used quite often in order to establish a clear visual separation between the different circuits or voltage levels. In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings.

The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **RK** series, an end plate does not need to be used to separate neighbouring **QI** cross-connectors of different potentials.



End plates for standard terminals SRK|RK|TSK|FF|SS|SF|PTK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2427.2	AP 2,5/15 BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.5	AP 2,5/15 BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.3	AP 2,5/15 OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.1	AP 2,5/15 GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.9	AP 2,5/15 RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.8	AP 2,5/15 YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2070.2	AP-SR BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.5	AP-SR BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.3	AP-SR OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.1	AP-SR GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.9	AP-SR RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.8	AP-SR YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5
2738.2	AP 1,5-4 BG	beige	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.5	AP 1,5-4 BU	blue	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.3	AP 1,5-4 OG	orange	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.1	AP 1,5-4 GN	green	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.9	AP 1,5-4 RD	red	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.8	AP 1,5-4 YE	yellow	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2001.2	AP 2,5-10 BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.5	AP 2,5-10 BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.3	AP 2,5-10 OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.1	AP 2,5-10 GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.9	AP 2,5-10 RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.8	AP 2,5-10 YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2104.2	AP 16 BG	beige	20	1.5 mm	PA 6.6 V2	RK 16
2104.5	AP 16 BU	blue	20	1.5 mm	PA 6.6 V2	RK 16
2104.3	AP 16 OG	orange	20	1.5 mm	PA 6.6 V2	RK 16
2116.2	AP 35 BG	beige	20	1.5 mm	PA 6.6 V2	RK 35
2116.5	AP 35 BU	blue	20	1.5 mm	PA 6.6 V2	RK 35
2116.3	AP 35 OG	orange	20	1.5 mm	PA 6.6 V2	RK 35
2421.2	AP/FF 1/15 BG	beige	20	1.5 mm	PA 6.6 V2	FF 1,5
2574.2	AP 2,5/R BG	beige	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2574.5	AP 2,5/R BU	blue	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2574.1	AP 2,5/R GN	green	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2575.2	AP 2,5/RL BG	beige	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2575.5	AP 2,5/RL BU	blue	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2575.1	AP 2,5/RL GN	green	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2782.2	AP/L/Q/D BG	beige	20	1.5 mm	PA 6.6 V2	PTK

End plates for double-level terminal blocks RKD | RKDG

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2101.2	AP 4 BG	beige	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.5	AP 4 BU	blue	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.3	AP 4 OG	orange	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.1	AP 4 GN	green	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.9	AP 4 RD	red	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.8	AP 4 YE	yellow	20	1.5 mm	PA 6.6 V2	RKD 4
2159.2	AP 4 800 V BG	beige	20	1.5 mm	PA 6.6 V2	RKD 4
2586.2	APG 4 BG	beige	20	1.5 mm	PA 6.6 V2	RKDG 4
2586.5	APG 4 BU	blue	20	1.5 mm	PA 6.6 V2	RKDG 4

End plates for multi-level terminal blocks IKD|VMAK|IK|DLIS|DLI

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2699.2	AP 2,5/ID BG	beige	20	1.5 mm	PA 6.6 V2	IKD 2,5
2699.5	AP 2,5/ID BU	blue	20	1.5 mm	PA 6.6 V2	IKD 2,5
2699.3	AP 2,5/ID OG	orange	20	1.5 mm	PA 6.6 V2	IKD 2,5
2862.2	AP VMAK 2,5 BG	beige	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2862.5	AP VMAK 2,5 BU	blue	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2862.3	AP VMAK 2,5 OG	orange	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2698.2	AP 2,5/I BG	beige	20	1.5 mm	PA 6.6 V2	IK 2,5
2698.5	AP 2,5/I BU	blue	20	1.5 mm	PA 6.6 V2	IK 2,5
2698.3	AP 2,5/I OG	orange	20	1.5 mm	PA 6.6 V2	IK 2,5
2714.2	AP/IKD 2,5/short BG	beige	20	1.5 mm	PA 6.6 V2	IKD 2,5
2829.2	AP 2,5 S BG	beige	20	1.5 mm	PA 6.6 V2	DLIS 2,5
2831.2	AP 2,5 D BG	beige	20	1.5 mm	PA 6.6 V2	DLI 2,5

End plates for Disconnect- and fused terminals STK|TK|STKD|SIK|SK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2046.2	AP/SI-1 BG	beige	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2046.3	AP/SI-1 OG	orange	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2046.5	AP/SI-1 BU	blue	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2047.2	AP/SI BG	beige	50	1.5 mm	PA 6.6 V2	SK 1
2047.4	AP/SI BK	black	20	1.5 mm	PA 6.6 V2	SK 1
2186.2	AP/SI-2 BG	beige	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2186.3	AP/SI-2 OG	orange	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2186.5	AP/SI-2 BU	blue	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2187.2	AP/SID-1 BG	beige	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2187.3	AP/SID-1 OG	orange	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2187.5	AP/SID-1 BU	blue	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2762.2	AP 10 BG	beige	20	2 mm	PA 6.6 V2	SIK 10
2762.3	AP 10 OG	orange	20	2 mm	PA 6.6 V2	SIK 10
2762.5	AP 10 BG	blue	20	2 mm	PA 6.6 V2	SIK 10

End plates | Visual separation

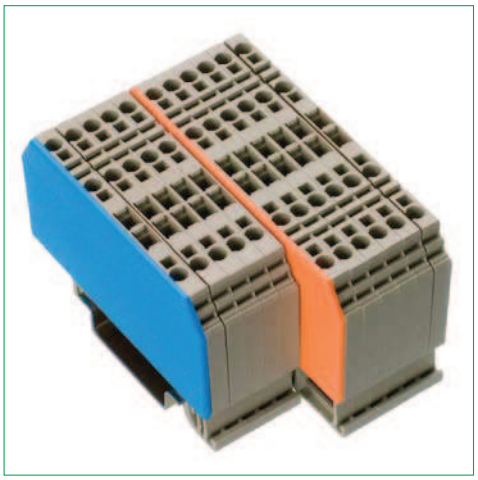
Pressure-spring connection system

The **FAP** end plates are normally used at the end of a row of terminals. If different terminals are being used within the same terminal block, then you should insert end plates in order to ensure that the touch-safe protection is maintained.
The outer dimensions of the end plates match the dimensions of the terminal blocks.

Coloured end plates are often used to establish a clear visual separation between the different circuits or voltage levels.
In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings.

The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **FRK** series, an end plate does not need to be used to separate neighbouring cross-connectors of different potentials.



End plates for double-level terminal blocks FRK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3400.2	FAP 1,5-4/2A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.5	FAP 1,5-4/2A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.3	FAP 1,5-4/2A OG	orange green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.1	FAP 1,5-4/2A GN		20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.9	FAP 1,5-4/2A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.8	FAP 1,5-4/2A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3401.2	FAP 1,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.5	FAP 1,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.3	FAP 1,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.1	FAP 1,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/3A
3401.9	FAP 1,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.8	FAP 1,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/3A
3402.2	FAP 1,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.5	FAP 1,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.3	FAP 1,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.1	FAP 1,5/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/4A
3402.9	FAP 1,5/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.8	FAP 1,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/4A
3411.2	FAP 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.5	FAP 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.3	FAP 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.1	FAP 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.9	FAP 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.8	FAP 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3412.2	FAP 2,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.5	FAP 2,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.3	FAP 2,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.1	FAP 2,5/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.9	FAP 2,5/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.8	FAP 2,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3421.2	FAP 4/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.5	FAP 4/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.3	FAP 4/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.1	FAP 4/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.9	FAP 4/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.8	FAP 4/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3422.2	FAP 4/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.5	FAP 4/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.3	FAP 4/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.1	FAP 4/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.9	FAP 4/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.8	FAP 4/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A

End plates for double-level terminals FRKD

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3423.2	FAPD 2,5 BG	beige	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.5	FAPD 2,5 BU	blue	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.3	FAPD 2,5 OG	orange	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.1	FAPD 2,5 GN	green	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5

End plates for multi-level terminals FDLIS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3480.2	FAP 4/S BG	beige	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....
3480.5	FAP 4/S BU	blue	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....
3480.3	FAP 4/S OG	orange	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....

End plates for disconnect and fused terminals FTRK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3481.2	FAPT 2,5/2A BG	beige	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.5	FAPT 2,5/2A BU	blue	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.3	FAPT 2,5/2A OG	orange	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.1	FAPT 2,5/2A GN	green	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.9	FAPT 2,5/2A RD	red	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.8	FAPT 2,5/2A YE	yellow	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3482.2	FAPT 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.5	FAPT 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.3	FAPT 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.1	FAPT 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.9	FAPT 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.8	FAPT 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A

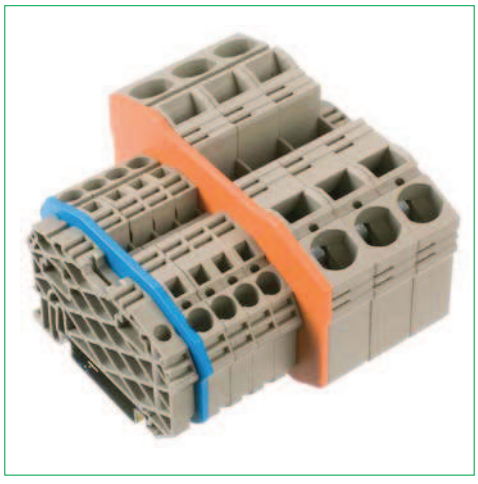
End plates | Visual separation

Tension-spring connection system

The **ZAP** end plates are normally used at the end of a row of terminals. End plates must also be used within a terminal strip when it makes use of terminal blocks of different sizes in order to ensure touch-safe finger protection. The outer dimensions of the end plates match the dimensions of the terminal blocks.

Coloured end plates are used quite often in order to establish a clear visual separation between the different circuits or voltage levels. In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings. The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **ZRK** series, an end plate does not need to be used to separate neighbouring cross-connectors of different potentials.



End plates for direct-mount terminal blocks with snap-in clip ZSRK/ZSLN (RC)

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3758.2	ZAP SR/RC BG	beige	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.5	ZAP SR/RC BU	blue	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.3	ZAP SR/RC OG	orange	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.1	ZAP SR/RC GN	green	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.9	ZAP SR/RC RD	red	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.8	ZAP SR/RC YE	yellow	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC

End plates for standard compact terminal blocks ZSRK/ZSLN

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3757.2	ZAP SR BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.5	ZAP SR BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.3	ZAP SR OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.1	ZAP SR GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.9	ZAP SR RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.8	ZAP SR YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3794.2	ZAP SR 3A/15 BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.5	ZAP SR 3A/15 BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.3	ZAP SR 3A/15 OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.1	ZAP SR 3A/15 GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.9	ZAP SR 3A/15 RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.8	ZAP SR 3A/15 YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3795.2	ZAP SR 3A/35 BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.5	ZAP SR 3A/35 BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.3	ZAP SR 3A/35 OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.1	ZAP SR 3A/35 GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.9	ZAP SR 3A/35 RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.8	ZAP SR 3A/35 YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3700.2	ZAP 2,5/2A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.5	ZAP 2,5/2A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.3	ZAP 2,5/2A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.1	ZAP 2,5/2A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.9	ZAP 2,5/2A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.8	ZAP 2,5/2A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3701.2	ZAP 2,5/3A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.5	ZAP 2,5/3A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.3	ZAP 2,5/3A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.1	ZAP 2,5/3A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.9	ZAP 2,5/3A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.8	ZAP 2,5/3A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3702.2	ZAP 2,5/4A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.5	ZAP 2,5/4A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.3	ZAP 2,5/4A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.1	ZAP 2,5/4A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.8	ZAP 2,5/4A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.9	ZAP 2,5/4A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3703.2	ZAP 4/2A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.5	ZAP 4/2A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.3	ZAP 4/2A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.1	ZAP 4/2A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.9	ZAP 4/2A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.8	ZAP 4/2A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3704.2	ZAP 4/3A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.5	ZAP 4/3A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.3	ZAP 4/3A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.1	ZAP 4/3A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.9	ZAP 4/3A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.8	ZAP 4/3A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3705.2	ZAP 4/4A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.5	ZAP 4/4A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.3	ZAP 4/4A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.1	ZAP 4/4A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.9	ZAP 4/4A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.8	ZAP 4/4A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A

End plates | Visual separation

Tension-spring connection system

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3760.2	ZAP 6/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.5	ZAP 6/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.3	ZAP 6/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.1	ZAP 6/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.9	ZAP 6/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.8	ZAP 6/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3788.2	ZAP 10/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.5	ZAP 10/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.3	ZAP 10/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.1	ZAP 10/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.9	ZAP 10/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.8	ZAP 10/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3799.2	ZAP 16/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.5	ZAP 16/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.3	ZAP 16/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.1	ZAP 16/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.9	ZAP 16/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.8	ZAP 16/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A

End plates for double-level terminal blocks ZRKD/ZSLD

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3756.2	ZAPD 2,5 BG	beige	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.5	ZAPD 2,5 BU	blue	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.3	ZAPD 2,5 OG	orange	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.1	ZAPD 2,5 GN	green	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.9	ZAPD 2,5 RD	red	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.8	ZAPD 2,5 YE	yellow	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5

End plates for initiator terminal blocks ZINI/ZAKTO/ZMP

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3746.2	ZAP/TW/ZIZA 1,5/3 BG	beige	20	5 mm	PA 6.6 V0	ZIZA 1,5/3 | ZIZA 1,5/3/PE
3747.2	ZAP/TW/ZIZA 1,5/4 BG	beige	20	5 mm	PA 6.6 V0	ZIZA 1,5/4 | ZIZA 1,5/4/PE
3785.2	ZAP ZMP BG	beige	20	5 mm	PA 6.6 V0	ZMP 1,5

End plates for multi-level terminal blocks ZIKD/ZVMAK

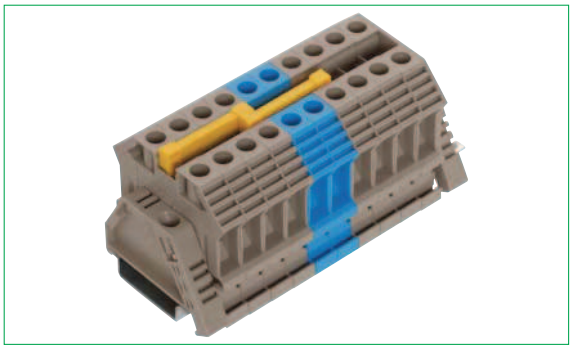
Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3761.2	ZAP 2,5/ID BG	beige	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.5	ZAP 2,5/ID BU	blue	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.3	ZAP 2,5/ID OG	orange	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.1	ZAP 2,5/ID GN	green	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.9	ZAP 2,5/ID RD	red	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.8	ZAP 2,5/ID YE	yellow	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3762.2	ZAP MA BG	beige	20	1.5 mm	PA 6.6 V0	ZVMAK 2,5
3762.5	ZAP MA BU	blue	20	1.5 mm	PA 6.6 V0	ZVMAK 2,5

End plates for disconnect and fused terminal blocks ZTRK

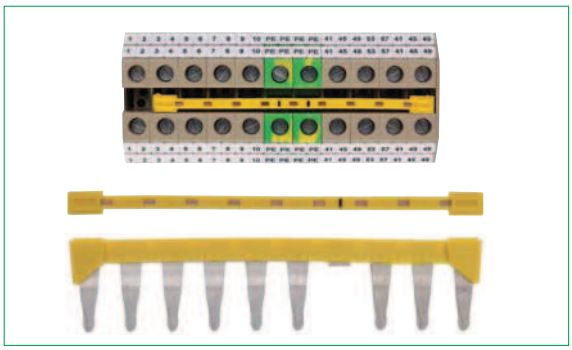
Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3796.2	ZAPT 2,5/2A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.5	ZAPT 2,5/2A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.3	ZAPT 2,5/2A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.1	ZAPT 2,5/2A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.9	ZAPT 2,5/2A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.8	ZAPT 2,5/2A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3797.2	ZAPT 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.5	ZAPT 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.3	ZAPT 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.1	ZAPT 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.9	ZAPT 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.8	ZAPT 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3798.2	ZAPT 2,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.5	ZAPT 2,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.3	ZAPT 2,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.1	ZAPT 2,5/4A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.9	ZAPT 2,5/4A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.8	ZAPT 2,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A

Insulated cross-connections SQI (potential distribution)

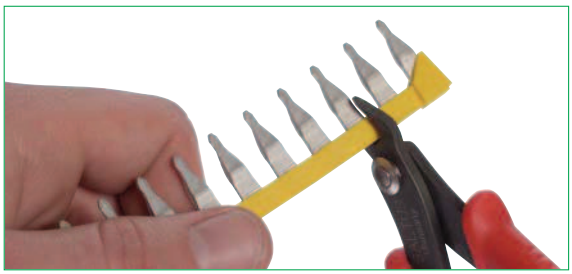
The **SQI** pluggable cross-connection system allows you to save time and money by distributing voltage potentials across terminal blocks of similar or different cross-section ranges. The pluggable design of the **SQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **SQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles and in 30 pole versions. Since the standard terminal blocks feature two cross-connection channels, it is possible to connect different voltage potentials in parallel with no loss of poles.

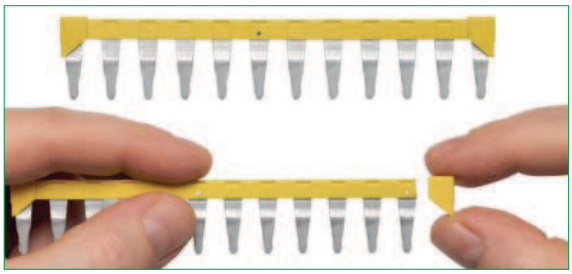


Individual cross-connection contact elements can be taken out of the row in order to skip over feed-through terminals (**SRK**) or PE terminals (**SSL**). This allows two different voltage potentials to be conducted using a single terminal rail configuration. You can mark these broken-off contact elements using the plastic insulation of the cross-connector.

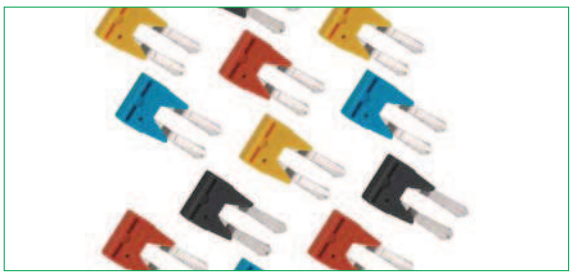


It is possible to shorten the **SQI** cross-connection with a cutting tool. The **SQI** system allows you to maintain touch-protection safety by covering the cut (uninsulated) end with a **SQIK** insulation cap.



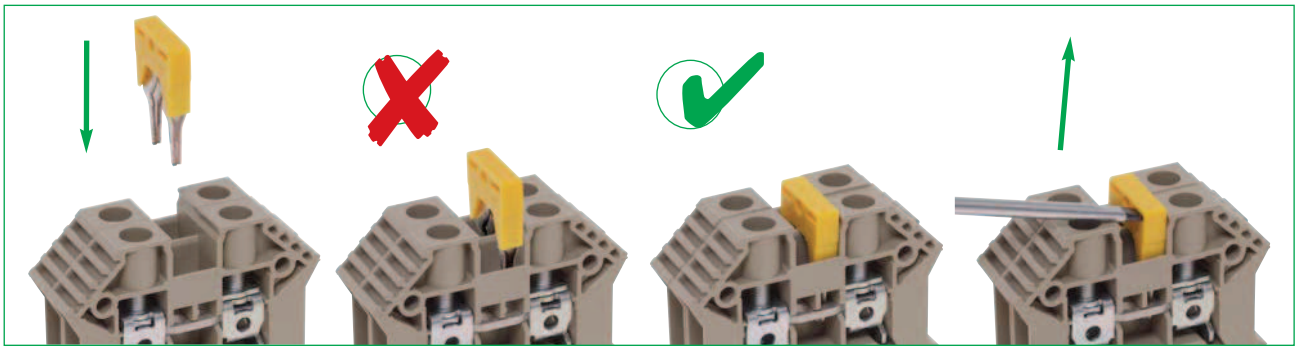


In order to help distinguish between different potentials, other colour variants are available for the **SQI 2,5**, **SQI 4**, **SQI 6** and **SQI 10** cross-connectors.

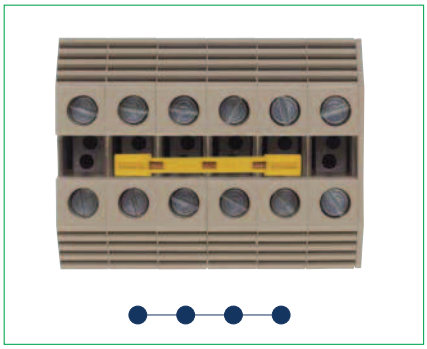


Insulated cross-connections SQI (potential distribution)

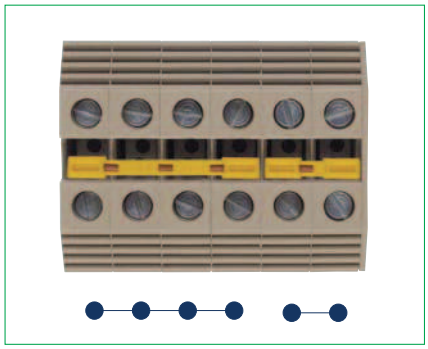
Usage of the SQI



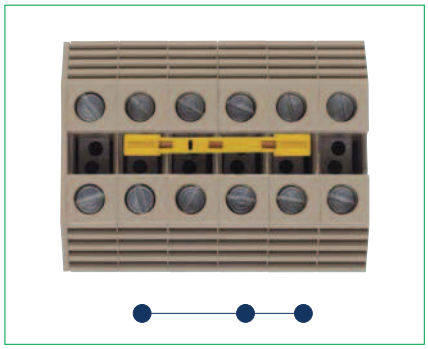
Cross-connection options



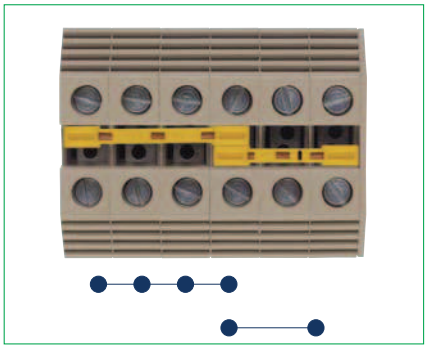
Simple



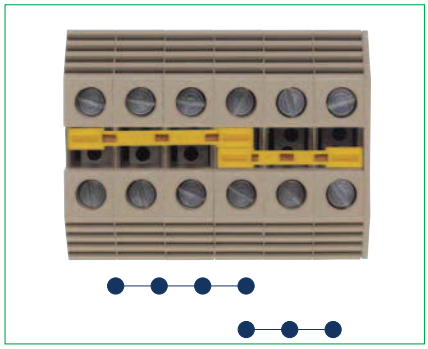
Side-by-side



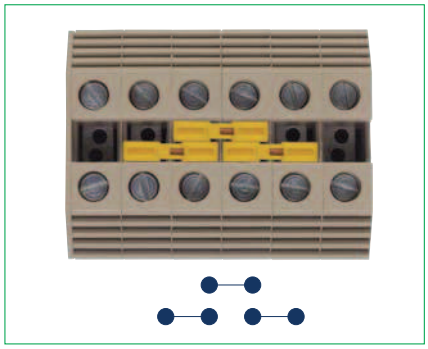
Alternating



Parallel alternating



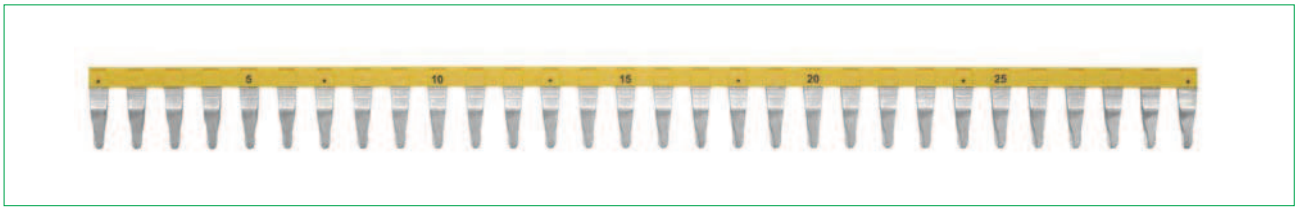
Parallel extended



Chain linked

Insulated cross-connections SQI (potential distribution)

The 30-pole cross-connector features a numbered scale which allows the user to easily count off or shorten to the number of required poles.



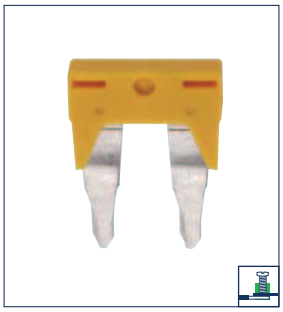
Insulated cross-connections SQI

The **SQI** cross-connections for the screw connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range. The terminal block design and the variability of the cross-connector ensure excellent flexibility.

	SQI 2,5...	SQI 4...	SQI 6...
			
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour **Cat. no.** 2 poles	SQI 2,5/2 YE **17201.8** 50	SQI 4/2 YE **17211.8** 50	SQI 6/2 YE **17221.8** 50
Type/colour **Cat. no.** 3 poles	SQI 2,5/3 YE **17202.8** 50	SQI 4/3 YE **17212.8** 50	SQI 6/3 YE **17222.8** 50
Type/colour **Cat. no.** 4 poles	SQI 2,5/4 YE **17203.8** 20	SQI 4/4 YE **17213.8** 20	SQI 6/4 YE **17223.8** 20
Type/colour **Cat. no.** 5 poles	SQI 2,5/5 YE **17204.8** 20	SQI 4/5 YE **17214.8** 20	SQI 6/5 YE **17224.8** 20
Type/colour **Cat. no.** 6 poles	SQI 2,5/6 YE **17205.8** 20	SQI 4/6 YE **17215.8** 20	SQI 6/6 YE **17225.8** 20
Type/colour **Cat. no.** 7 poles	SQI 2,5/7 YE **17206.8** 20	SQI 4/7 YE **17216.8** 20	SQI 6/7 YE **17226.8** 20
Type/colour **Cat. no.** 8 poles	SQI 2,5/8 YE **17207.8** 10	SQI 4/8 YE **17217.8** 10	SQI 6/8 YE **17227.8** 10
Type/colour **Cat. no.** 9 poles	SQI 2,5/9 YE **17208.8** 10	SQI 4/9 YE **17218.8** 10	SQI 6/9 YE **17228.8** 10
Type/colour **Cat. no.** 10 poles	SQI 2,5/10 YE **17209.8** 10	SQI 4/10 YE **17219.8** 10	SQI 6/10 YE **17229.8** 10
Type/colour **Cat. no.** 30 poles	SQI 2,5/30 YE **17210.8** 5	SQI 4/30 YE **17220.8** 5	SQI 6/30 YE **17230.8** 5
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.4 .5 .8 .9
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A | Max. current, A	24 | 32	32 | 41	41 | 57
Max. voltage with partition plate, V	1000	1000	1000
Max. voltage without partition plate, V	1000	1000	1000
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	5	6	8

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
Insulation cap for cross-connector	SQIK 2,5-10 YE		SQIK 2,5-10 YE		SQIK 2,5-10 YE	
Cat. no.	**17200.8**	285 20	**17200.8**	285 20	**17200.8**	285 20
For terminal	**Remarks**		**Remarks**		**Remarks**	
	SRK 2,5... SSL 2,5...		SRK 4... SSL 4...		SRK 6... SSL 6...	

SQI 10...



Cross-connection insulated

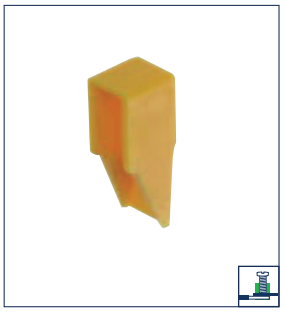
	Qty.
SQI 10/2 YE **17231.8**	50
SQI 10/3 YE **17232.8**	50
SQI 10/4 YE **17233.8**	20
SQI 10/5 YE **17234.8**	20
SQI 10/6 YE **17235.8**	20
SQI 10/7 YE **17236.8**	20
SQI 10/8 YE **17237.8**	10
SQI 10/9 YE **17238.8**	10
SQI 10/10 YE **17239.8**	10
SQI 10/30 YE **17240.8**	5

IEC
57 | 76
1000
1000
- |3
10

	Page	Qty.
SQIK 2,5-10 YE **17200.8**	285	20

Remarks
SRK 10... SSL 10...

SQIK 2,5-10



Insulation cap for Cross-connectors

	Qty.
SQIK 2,5-10 YE **17200.8**	20

Cross-connector SQI (feeding potentials)

The **SQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections. The pluggable design of the **SQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **SQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles and in 30 pole versions. You can break out individual contact poles (without pole loss) in order to guide different potentials in parallel or to skip over terminal blocks.

Feed-in through	Outlet through	Feed on left start	Feed on right end
SRK 2,5/2A BG (**17100.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 2,5/...	SQI 2,5/...
	SRK 4/2A BG (**17104.2**)	SQI 2,5/2	SQI 2,5/2
		SQI 4/...	SQI 4/...
	SRK 6/2A BG (**17108.2**)	SQI 4/2	SQI 4/2
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
SRK 4/2A BG (**17104.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 2,5/...	SQI 2,5/...
		SQI 4/2	SQI 4/2
	SRK 4/2A BG (**17104.2**)	SQI 4/...	SQI 4/...
	SRK 6/2A BG (**17108.2**)	SQI 4/2	SQI 4/2
		SQI 6/...	SQI 6/...
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
SRK 6/2A BG (**17108.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 4/2	SQI 4/2
	SRK 4/2A BG (**17104.2**)	SQI 4/...	SQI 4/...
		SQI 6/2	SQI 6/2
	SRK 6/2A BG (**17108.2**)	SQI 6/...	SQI 6/...
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
		SQI 10/...	SQI 10/...
SRK 10/2A BG (**17112.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 6/2	SQI 6/2
	SRK 4/2A BG (**17104.2**)	SQI 6/2	SQI 6/2
	SRK 6/2A BG (**17108.2**)	SQI 6/...	SQI 6/...
		SQI 10/2	SQI 10/2
	SRK 10/2A BG (**17112.2**)	SQI 10/...	SQI 10/...

Uninsulated cross-connections Q | Insulated cross-connections QI (potential distribution)

The **Q/QI** screwable cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range. The **QI** has a touch-safe design and, like the **Q** cross-connection system, is available with 2, 3, 4 or 10 poles. Parallel connections between various potentials, without loss of poles, is possible with the **QI** system in cross-sections ranging from 2.5 mm² to 10 mm².

Skip-over bridging

With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out (**QI**) or unscrewing (**Q**) individual contact poles.

Shortening cross-connections

It is possible to shorten the cross-connections with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained.

Q/QI pre-assembled cross-connectors

The pre-assembled cross-connectors feature a cross-connection rail, connecting sleeve and attachment screw already assembled in the appropriate number of poles so that they cannot be lost. During installation, these pre-assembled cross-connectors need only be inserted into the appropriate terminal row. The cross-connection units are available in versions with 2, 3, 4 or 10 poles. Depending on the type of terminal block, we offer either insulated **QI** cross-connectors and/or uninsulated **Q** cross-connectors.

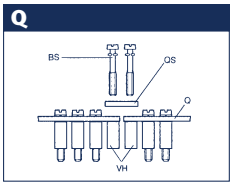
Q

QI

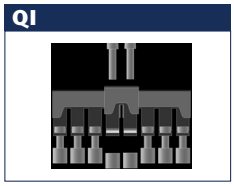
Cross-connecting (with Q/QI) one potential over more than ten terminal blocks.

From the cross-connection, the first or last screw is unscrewed from the **VH**. The **QS 2** or **QI 2** without **VH** is put in and then both screws are screwed back in to the **VH**.

Q



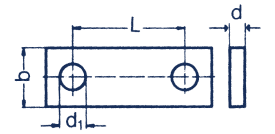
QI



Individual components of cross-connection Q (QS + VH + BS = Q) QS cross-connection rails

Cross-connection rails can be used in order to cross-connect identical potentials across multiple terminal blocks. The cross-connection rails are made of copper or brass. They have a galvanized nickel-plated surface. These cross-connection rails are delivered in 2-pole, 3-pole, 4-pole and 10-pole lengths – corresponding to the width of the terminal. The cross-connection rail is connected electrically using a connecting sleeve with the busbar in the terminal block. We offer cross-connection rails in 0.5 m length to fit with certain terminal blocks. This allows you to put together cross-connections for any number of poles.

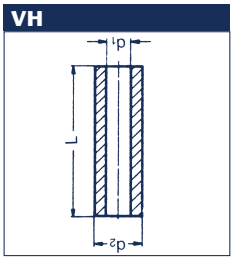
QS



VH connecting sleeves

The **VH**s have a customized length based on the corresponding terminal. They are made from copper or brass. They have a nickel-plated surface. A **VH** must be used for each terminal that is being cross-connected.

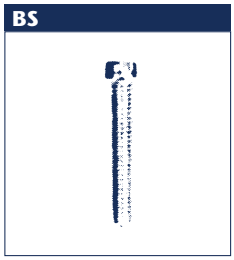
VH



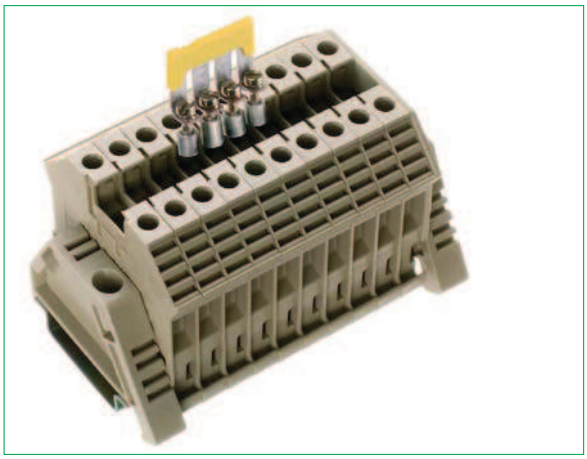
BS mounting screws

A steel screw is used to attach the cross-connection rail with the sleeve (**VH**) to the busbar on the terminal block. The steel screw ensures that the cross-connection unit has a strong mechanical connection to the busbar.

BS



Usage of the QI

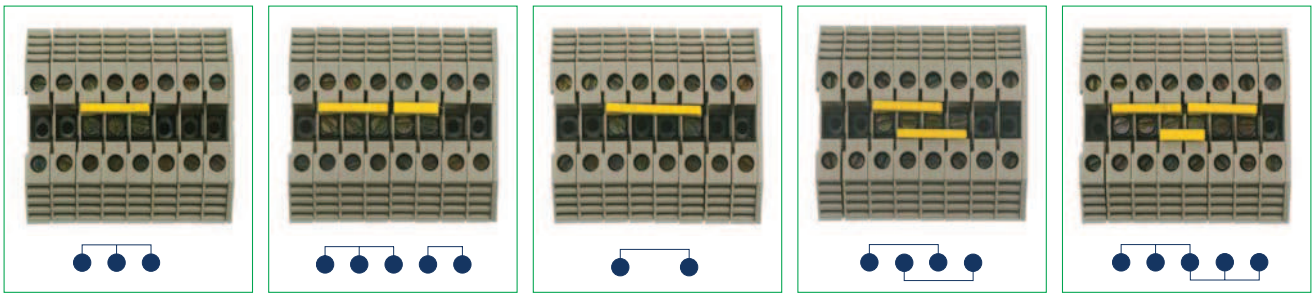


Examples

Variability of the screwable cross-connector

Pre-assembled cross-connection units – in 2, 3, 4, 10, or 40-pole versions – significantly reduce the assembly time. There are additional advantages with the **QI** insulated cross-connections when using terminal blocks up to 10 mm². Because of its angled design, two **QI**s can be assembled offset (staggered). Thus it is possible to achieve the parallel guiding of two potentials. Since the **QI** is insulated and touch-safe according to VDE 0106 section 100, it is not necessary to use end plates or partitions between neighbouring cross-connection up to 400 V. The **QI** cross-connections can carry the rated current of the terminal blocks. It is also possible to skip terminals, since the individual contact ridges can be broken off.

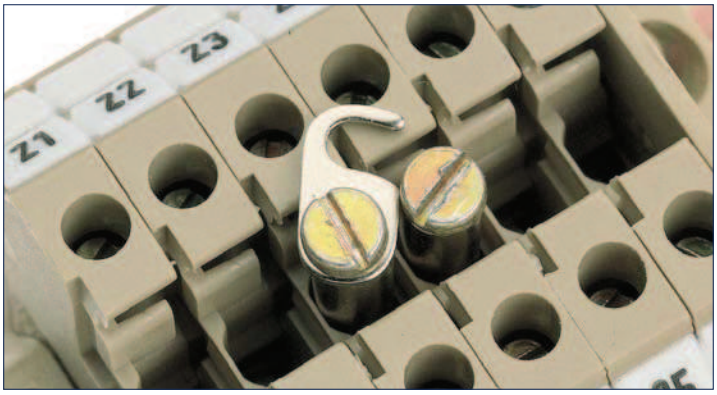
Cross-connection options



Simple | **Side-by-side** | **Alternating** | **Parallel alternating** | **Extended**

Switchable cross-connections switchable cross-connections are meant for 2-pole cross-connections that are easily separated. A **VH**-type connecting sleeve and a **BS**-type screw are used for installation.

Switchable cross-connection QL 2



Switchable cross-connection QL			Connecting sleeve VH			Mounting screw BS			For terminal
Type	**Cat. no.**	**Qty.**	**Type**	**Cat. no.**	**Qty.**	**Type**	**Cat. no.**	**Qty.**	**Type**
QL 2	**2076.0**	50	VH 16	**2077.0**	100	BS M2,5x20	**2078.0**	100	RK 1,5-4 |RKD 4
QL 2	**2008.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 2,5-4
QL 2	**2053.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 6-10
QL 2	**2106.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 16

Uninsulated cross-connections Q | Insulated cross-connections QI

The **Q/QI** screwable, pre-assembled cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range.

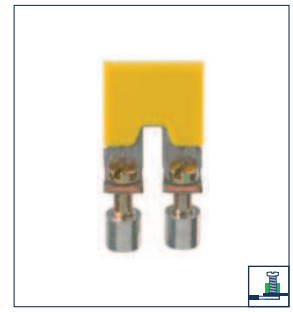
Available with 2, 3, 4, 10, 40, 83 and 100 poles

	Q...(2.5mm²)	Q...(2.5mm²)	Q...(2.5mm²)
			
	Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection Uninsulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	Q 2	Q 2	Q 2
Cat. no.	**2832.0** 50	**2422.0** 50	**2567.0** 50
Type/colour 3 poles	Q 3	Q 3	Q 3
Cat. no.	**2833.0** 50	**2423.0** 50	**2568.0** 50
Type/colour 4 poles	Q 4	Q 4	Q 4
Cat. no.	**2834.0** 20	**2424.0** 20	**2569.0** 20
Type/colour 10 poles	Q 10	Q 10	Q 10
Cat. no.	**2835.0** 10	**2425.0** 10	**2570.0** 10
Type/colour 20 poles	Q 20	Q 20	
Cat. no.	**2836.0** 10	**2700.0** 10	
Type/colour Multi-pole	Q 0.5 m/83 poles	Q 0.5 m/100 poles	Q 0.5 m/100 poles
Cat. no.	**2154.0** 1	**2151.0** 1	**2152.0** 1
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	20	20	20
Max. voltage with partition plate, V	400	400	800
Max. voltage without partition plate, V	400*	400*	400*
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	6	5	5
Connection data			
Torque, Nm | Screw	0.4-0.8|M2.5	0.4-0.8|M2.5	0.4-0.8|M2.5
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Screwdriver	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
For terminal	**Remarks**	**Remarks**	**Remarks**
	DLI 2,5/... -	SRK 2,5/15 1	RK 2,5 1
	DLIS 2,5/... -	SRK 2,5/ 1	KBL 2,5 1
		IK 2,5 1	
		IKD 2,5 1	
			RKD 2.5... 1
			KBLD 2,5 1
			Reduce the voltage to 400 V when used together with double-level terminals!

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

Q...(4mm²)	Q...(4mm²)	QI...(4mm²)	Q...(10mm²)	QI...(10mm²)
				
Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection insulated	Cross-connection Uninsulated	Cross-connection insulated
Qty.	Qty.	Qty.	Qty.	Qty.
Q 2 **2087.0** 50	Q 2 **2019.0** 50	QI 2 YE **2740.2** 50	Q 2 **2060.0** 50	QI 2 YE **2750.2** 50
Q 3 **2088.0** 50	Q 3 **2020.0** 50	QI 3 YE **2741.2** 50	Q 3 **2061.0** 50	QI 3 YE **2751.2** 50
Q 4 **2089.0** 20	Q 4 **2021.0** 20	QI 4 YE **2742.2** 20	Q 4 **2062.0** 20	QI 4 YE **2752.2** 20
Q 10 **2090.0** 10	Q 10 **2022.0** 10	QI 10 YE **2743.2** 10	Q 10 **2063.0** 10	QI 10 YE **2753.2** 10
Q 0.5 m/100 poles **2150.0** 1	Q 0.5 m/83 poles **2153.0** 1	QI 40 YE **2746.2** 1		
IEC	IEC	IEC	IEC	IEC
20	27	32	47	57
800	800	800	800	800
400*	400*	400	400*	400
-|3	-|3	-|3	-|3	-|3
6	6	6	8	8
0.4-0.8|M2.5	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
Remarks	Remarks	Remarks	Remarks	Remarks
RK 1,5-4/15 1	RK 2,5-4 2	RK 2,5-4 1	RK 6-10 2	RK 6-10 1
RK 1,5/4 1	RK 2,5-4 ZR 2	RK 2,5-4 ZR 1	KBL 6-10 2	KBL 6-10 1
KBL 1,5-4/15 1	RK 2,5-4 ZRL 2	RK 2,5-4 ZRL 1		
KBL 1,5-4 1	KBL 2,5-4 2	KBL 2,5-4 1		
	FF 2.5 2	FF 2.5 1		
RKD 4... 1	SF2,5 2	SF2,5 1		
RKDG 4 1				
Reduce the voltage to 400 V when used together with double-level terminals!				

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

Uninsulated cross-connections Q | Switchable cross-connections QL

The **Q/QI** screwable, pre-assembled cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range.

Available with 2, 3, 4, and 10 poles.

	Q...(16 mm²)	Q...(16 mm²)	Q...(35 mm²)
			
	Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection Uninsulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	Q 2	Q 2	Q 2
Cat. no.	**2112.0** 20	**2257.0** 20	**2164.0** 20
Type/colour 3 poles	Q 3	Q 3	Q 3
Cat. no.	**2113.0** 20	**2258.0** 20	**2165.0** 20
Type/colour 4 poles	Q 4	Q 4	Q 4
Cat. no.	**2114.0** 10	**2265.0** 10	**2166.0** 10
Type/colour 10 poles	Q 10	Q 10	Q 10
Cat. no.	**2115.0** 10	**2266.0** 10	**2167.0** 10
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	47	47	65
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	400*	400*	400*
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	12	12	16
Connection data			
Torque, Nm | Screw	0.5-1.0|M3	0.5-1.0|M3	1.2-2.0|M4
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Screwdriver	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0,8x4,0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1087.0** 422 1
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 16 1	RK 16/35 N 1	RK 35 1 RK 35/35 N 2

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

QL 2	QL 2	QL 2	QL 2	QL 2
				
Switchable cross-connection	Switchable cross-connection	Switchable cross-connection	Switchable cross-connection	Switchable cross-connection
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
QL 2 **2076.0** 50	QL 2 **2008.0** 50	QL 2 **2053.0** 50	QL 2 **2106.0** 50	QL 2 **2306.0** 50
When combined with: Connecting sleeve VH	**When combined with:** Connecting sleeve VH	**When combined with:** Connecting sleeve VH	**When combined with:** Connecting sleeve VH	**When combined with:** Connecting sleeve VH
VH 16 **2077.0** 100	VH 19 **2009.0** 100	VH 19 **2009.0** 100	VH 19 **2009.0** 100	VH 17 **2122.0** 50
and Mounting screw BS	**and** Mounting screw BS	**and** Mounting screw BS	**and** Mounting screw BS	**and** Mounting screw BS
BS M 2,5x20 **2078.0** 100	BS M 3x25 **2010.0** 100	BS M 3x25 **2010.0** 100	BS M 3x25 **2010.0** 100	BS M 4x30 **2123.0** 50
IEC	**IEC**	**IEC**	**IEC**	**IEC**
24	24	32	41	57
-	-	-	-	-
-	-	-	-	-
-|3	-|3	-|3	-|3	-|3
6	6	8	12	16
0.4-0.8|M2.5	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3	1,2-2,0|M4
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
Remarks	**Remarks**	**Remarks**	**Remarks**	**Remarks**
RK 1,5 - 4 No touch-safety protection! RKD 4 No touch-safety protection!	RK 2,5 - 4 No touch-safety protection!	RK 6 - 10 No touch-safety protection!	RK 16 No touch-safety protection!	RK 35 No touch-safety protection!

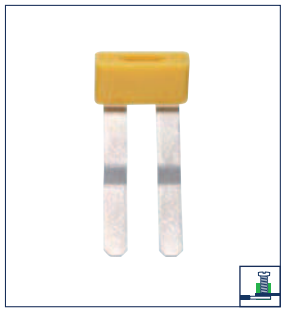
Switchable cross-connections are meant for 2-pole cross-connections that are easily separated. A **VH**-type connecting sleeve and a **BS**-type screw are used for installation.

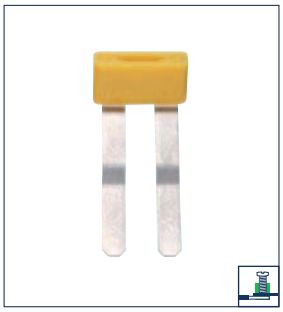
External insulated cross-connection AQI

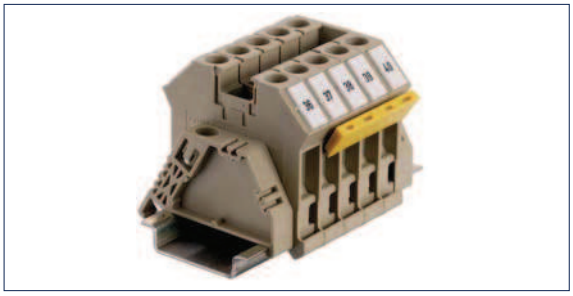
External cross-connector AQI

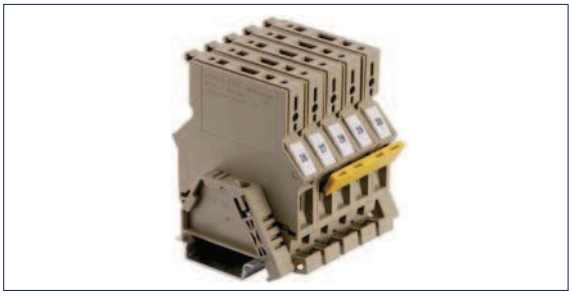
External cross-connection bridges make it possible to branch off the current for terminals, which are not available in the middle of the terminal, via a cross-connection channel.

When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.

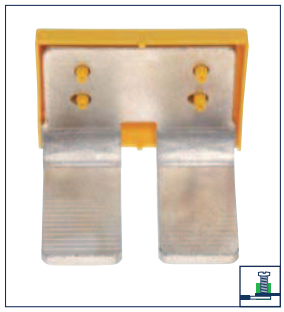
	AQI.../5/11	AQI.../5/15	AQI.../6/11
			
	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	AQI 2/5/11 YE	AQI 2/8/11 YE	AQI 2/6/11 YE
Cat. no.	**2032.0** 50	**2023.0** 50	**2125.0** 50
Type/colour 3 poles	AQI 3/5/11 YE	AQI 3/5/15 YE	AQI 3/6/11 YE
Cat. no.	**2033.0** 50	**2024.0** 50	**2126.0** 50
Type/colour 4 poles	AQI 4/5/11 YE	AQI 4/5/15 YE	AQI 4/6/11 YE
Cat. no.	**2044.0** 10	**2028.0** 10	**2140.0** 10
Type/colour 10 poles	AQI 10/6/11 YE	AQI 10/5/15 YE	AQI 10/6/11 YE
Cat. no.	**2045.0** 10	**2029.0** 10	**2141.0** 10
Type/colour			
Cat. no.			
Type/colour Multi-pole	AQI 95/5/11 YE	AQI 95/5/15 YE	AQI 75/6/11 YE
Cat. no.	**2107.0** 10	**2030.0** 10	**2481.0** 10
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	27	27	27
Max. voltage with partition plate, V	-	-	-
Max. voltage without partition plate, V	-	-	-
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	5	5	6
Connection data			
Torque, Nm | Screw	-|-	-|-	-|-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	SRK 2,5/15 1	RK 2,5 1	RK 1,5-4/15 1
	SRK 2,5	RK 2,5/35/N/2Q	RK 1,5-4 2
	RKD 2,5	ZSRK 2,5...	RKB 4
	IK 2,5	ZRK 2,5...	RKD 4
	IKD 2,5	ZRKD 2,5...	BKA 4
	BKA 2,5	ZIKD 2,5...	VMAK 2,5
		ZTRK 2,5	
		ZIZA 1,5	
		SRK 2,5/2A	

AQI.../6/17	AQI.../8/11	AQI.../8/18	AQI.../10/18	AQI.../50
				
External cross-connection insulated	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Qty.	Qty.	Qty.	Qty.	Qty.
AQI 4/6/11 YE **2064.0** 50	AQI 2/8/11 YE **2067.0** 50	AQI 2/8/18 YE **3440.8** 50	AQI 2/8/18 YE **3991.8** 50	AQI 2/50 YE **2763.2** 5
AQI 3/6/17 YE **2065.0** 50	AQI 3/8/11 YE **2068.0** 50	AQI 3/8/18 YE **3441.8** 50	AQI 3/10/18 YE **3992.8** 50	AQI 3/50 YE **2764.2** 5
AQI 4/6/17 YE **2066.0** 10	AQI 4/8/11 YE **2069.0** 50	AQI 4/8/18 YE **3442.8** 50	AQI 4/10/18 YE **3993.8** 50	
AQI 10/6/17 YE **2143.0** 10		AQI 10/8/18 YE **3443.8** 10	AQI 10/10/18 YE **3994.8** 10	
AQI 10/6/11 YE **2480.0** 10		AQI 60/8/18 YE **3444.8** 1	AQI 50/10/18 YE **3995.8** 1	
IEC	IEC	IEC	IEC	IEC
27	27	57	57	150
-	-	-	-	1000
-	-	-	-	1000
-|3	-|3	-|3	-|3	-|3
6	8	8	10	20
-|-	-|-	-|-	-|-	-|-
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
Remarks	Remarks	Remarks	Remarks	Remarks
RK 2,5-4 RK 2,5-4 ZR RK 2,5-4 ZRL TRK 1,5 SRK 4/2A	BKA 10 SRK 10/2A STK 1 STK 2 STKD 1	RK 6-10 KBL 6-10 SIK 10 PTK SRK 6/2A	SIK 10 Z SRK 10/2A	RK 50





External insulated cross-connection AQI

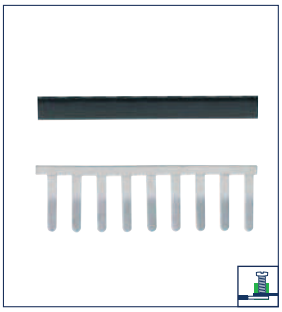
External cross-connection AQI	AQI.../95	AQI.../150	AQI.../240
External cross-connection bridges make it possible to branch off the current for terminals which are not available in the middle of the terminal via a cross-connection channel. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.			
	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles **Cat. no.**	AQI 2/95 YE **2765.2** 5	AQI 2/150 YE **2767.2** 5	AQI 2/240 YE **2769.2** 5
Type/colour 3 poles **Cat. no.**	AQI 3/95 YE **2766.2** 5	AQI 3/150 YE **2768.2** 5	AQI 3/240 YE **2770.2** 5
Type/colour 4 poles **Cat. no.**			
Type/colour 10 poles **Cat. no.**			
Type/colour 20 poles **Cat. no.**			
Type/colour Multi-pole **Cat. no.**			
Type/colour Uninsulated straight **Cat. no.**			
Type/colour Uninsulated angled **Cat. no.**			
Type/colour Insulation section **Cat. no.**			
Type/colour **Cat. no.**			
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	232	309	380
Max. voltage with partition plate, V	1000	1000	1000
Max. voltage without partition plate, V	1000	1000	1000
Rated impulse voltage, kV | Contamination degree	|3	|3	|3
Pitch, mm	25	31	36
Connection data			
Torque, Nm | Screw	-|-	-|-	-|-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type **Cat. no.**			
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 95	RK 150	RK 240

Uninsulated external cross-connection AQ | Bridgeable PEN power feed blocks

External cross-connection AQ

External cross-connection make it possible to branch off the current for terminals which are not available in the middle of the terminal via a cross-connection channel. The **AQ 58** type is delivered as a 58-pole version. Its contact elements can easily be broken out by hand. The attachable insulation section IP is available for the **AQ 58**. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.

AQ

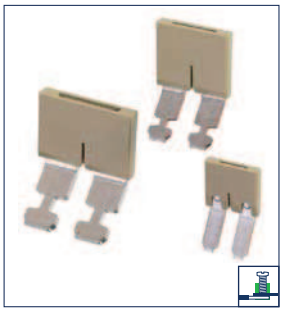


Bridgeable PEN power feed blocks

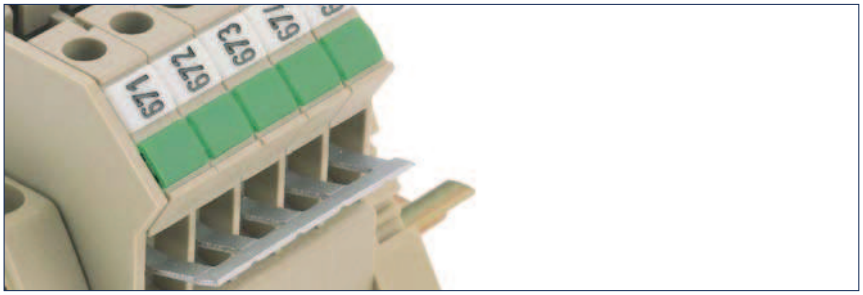
When five-wire power supplies are connected to a mains supply, then a conductive connection must be established between the **SL** PE terminal and the **N** neutral terminal.

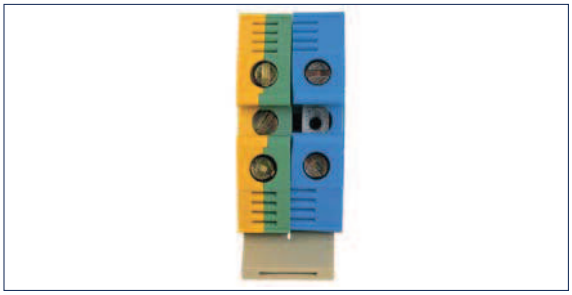
The **AQV 2 PEN** external cross-connector fulfils this requirement.

AQV



	External cross-connection Uninsulated		Jumper PEN
Type	**Qty.**		**Qty.**
Type/colour			AQV 2 PE/N 10
Cat. no.			**2181.0** 10
Type/colour			
Cat. no.			
Type/colour			AQV 2 PE/N 16
Cat. no.			**2182.0** 10
Type/colour			
Cat. no.			
Type/colour			AQV 2 PE/N 35
Cat. no.			**2183.0** 10
Type/colour			
Cat. no.			
Type/colour	AQ 58 straight		
Cat. no.	**2477.0** 10		
Type/colour	AQ 58 angled		
Cat. no.	2478.0 10		
Type/colour			
Cat. no.			
Type/colour	IP 58		
Cat. no.	**2479** 10		
Ratings	**IEC**		**IEC**
Rated current, A	24		-
Max. voltage with partition plate, V			-
Max. voltage without partition plate, V			-
Rated impulse voltage, kV | Contamination degree			-
Pitch, mm	8		8,12,16
Connection data			
Torque, Nm | Screw	-|-		-|-
Accessories	**Page Qty.**		**Page Qty.**
Type			
Cat. no.			
For terminal	**Remarks**		**Remarks**
	Straight version		
	RK 6-10		AQV 2 PE/N 10 for terminals SL 10/35 and RK 6-10 BU
	KBL 6-10		
	Angled version		
	SIK 10		AQV 2 PE/N 16 for terminals SL 16/35 and RK 16 BU
	PTK		
			AQV 2 PE/N 35 for terminals SL 35/35 and RK 35 BU



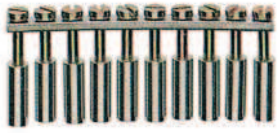


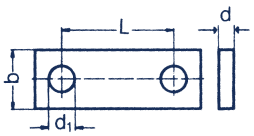
Uninsulated cross-connections Q

Screw connection system

Cross-connections Q / self-assembly

Cross-connections Q





TYPE	For terminal DLI 2,5 | DLIS 2,5	Cat. no.	Cross-section
Q 2		**2832.0**	2.5 mm²
Q 3		**2833.0**	2.5 mm²
Q 4		**2834.0**	2.5 mm²
Q 10		**2835.0**	2.5 mm²
Q 20		**2836.0**	2.5 mm²
Q 0.5 m/83 poles		**2154.0**	2.5 mm²
	SRK 2,5 | IK 2,5 | IKD 2,5		
Q 2		**2422.0**	2.5 mm²
Q 3		**2423.0**	2.5 mm²
Q 4		**2424.0**	2.5 mm²
Q 10		**2425.0**	2.5 mm²
Q 20		**2700.0**	2.5 mm²
Q 0.5 m/100 poles		**2151.0**	2.5 mm²
	RK 2,5 | RKD 2,5		
Q 2		**2567.0**	2.5 mm²
Q 3		**2568.0**	2.5 mm²
Q 4		**2569.0**	2.5 mm²
Q 10		**2570.0**	2.5 mm²
Q 0.5 m/100 poles		**2152.0**	2.5 mm²
	RK 1,5-4 | RKD 4		
Q 2		**2087.0**	4 mm²
Q 3		**2088.0**	4 mm²
Q 4		**2089.0**	4 mm²
Q 10		**2090.0**	4 mm²
Q 0.5 m/83 poles		**2150.0**	4 mm²
	RK 2,5-4		
Q 2		**2019.0**	4 mm²
Q 3		**2020.0**	4 mm²
Q 4		**2021.0**	4 mm²
Q 10		**2022.0**	4 mm²
Q 0.5 m/83 poles		**2153.0**	4 mm²
	RK 6-10		
Q 2		**2060.0**	10 mm²
Q 3		**2061.0**	10 mm²
Q 4		**2062.0**	10 mm²
Q 10		**2063.0**	10 mm²
	RK 16		
Q 2		**2112.0**	16 mm²
Q 3		**2113.0**	16 mm²
Q 4		**2114.0**	16 mm²
Q 10		**2115.0**	16 mm²
	RK 16 N		
Q 2		**2257.0**	16 mm²
Q 3		**2258.0**	16 mm²
Q 4		**2265.0**	16 mm²
Q 10		**2266.0**	16 mm²
	RK 35		
Q 2		**2164.0**	35 mm²
Q 3		**2165.0**	35 mm²
Q 4		**2166.0**	35 mm²
Q 10		**2167.0**	35 mm²
Q 2	for SK 1/35		
Q 3	for SK 1/35		
Q 4	for SK 1/35		
Q 10	for SK 1/35		

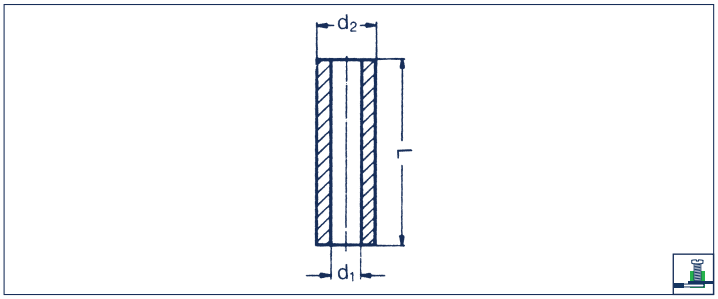
Caution:
It is not possible to construct pre-assembled cross-connection units.

TYPE	Cat. no.	Qty.	Dimensions, mm b	d	L	d1	Required amount
QS 2	**2081.0**	100	4,2	1	6	2.7	1
QS 3	**2082.0**	100	4,2	1	6	2.7	1
QS 4	**2083.0**	50	4,2	1	6	2.7	1
QS 10	**2084.0**	10	4,2	1	6	2.7	1
QS 20	**2588.0**	10	4,2	1	6	2.7	1
QS 0.5 m	**2386.0**	1	4,2	1	6	2.7	1
QS 2	**2417.0**	100	4,2	1	5	2.7	1
QS 3	**2418.0**	100	4,2	1	5	2.7	1
QS 4	**2419.0**	50	4,2	1	5	2.7	1
QS 10	**2420.0**	10	4,2	1	5	2.7	1
QS 20	**2587.0**	10	4,2	1	5	2.7	1
QS 0.5 m	**2519.0**	1	4,2	1	5	2.7	1
QS 2	**2417.0**	100	4,2	1	5	2.7	1
QS 3	**2418.0**	100	4,2	1	5	2.7	1
QS 4	**2419.0**	50	4,2	1	5	2.7	1
QS 10	**2420.0**	10	4,2	1	5	2.7	1
QS 0.5 m	**2519.0**	1	4,2	1	5	2.7	1
QS 2	**2081.0**	100	4,2	1	6	2.7	1
QS 3	**2082.0**	100	4,2	1	6	2.7	1
QS 4	**2083.0**	50	4,2	1	6	2.7	1
QS 10	**2084.0**	10	4,2	1	6	2.7	1
QS 0.5 m	**2386.0**	1	4,2	1	6	2.7	1
QS 2	**2013.0**	100	6	2	6	3.4	1
QS 3	**2014.0**	100	6	2	6	3.4	1
QS 4	**2015.0**	50	6	2	6	3.4	1
QS 10	**2016.0**	10	6	2	6	3.4	1
QS 0.5 m	**2387.0**	1	6	2	6	3.4	1
QS 2	**2055.0**	100	6	2	8	3.4	1
QS 3	**2056.0**	100	6	2	8	3.4	1
QS 4	**2057.0**	50	6	2	8	3.4	1
QS 10	**2058.0**	10	6	2	8	3.4	1
QS 2	**2108.0**	100	6	2	12	3.4	1
QS 3	**2109.0**	100	6	2	12	3.4	1
QS 4	**2110.0**	50	6	2	12	3.4	1
QS 10	**2111.0**	10	6	2	12	3.4	1
QS 2	**2108.0**	100	6	2	12	3.4	1
QS 3	**2109.0**	100	6	2	12	3.4	1
QS 4	**2110.0**	50	6	2	12	3.4	1
QS 10	**2111.0**	10	6	2	12	3.4	1
QS 2	**2118.0**	100	8	3	16	4.5	1
QS 3	**2119.0**	100	8	3	16	4.5	1
QS 4	**2120.0**	50	8	3	16	4.5	1
QS 10	**2121.0**	10	8	3	16	4.5	1
QS 2	**2366.0**	100	6	2	12	3.4	1
QS 3	**2367.0**	100	6	2	12	3.4	1
QS 4	**2368.0**	50	6	2	12	3.4	1
QS 10	**2369.0**	10	6	2	12	3.4	1

Specific accessories, screw connection system

*Cross-connections **Q** (potential distribution)*

Connecting sleeve VH



TYPE	Cat. no.	Qty.	Required amount	Dimensions, mm L	d2	d1
VH 5	**2327.0**	100	2	5	4	2.8
VH 5	**2327.0**	100	3	5	4	2.8
VH 5	**2327.0**	100	4	5	4	2.8
VH 5	**2327.0**	100	10	5	4	2.8
VH 5	**2327.0**	100	20	5	4	2.8
VH 5	**2327.0**	100	100	5	4	2.8
VH 5	**2327.0**	100	2	5	4	2.8
VH 5	**2327.0**	100	3	5	4	2.8
VH 5	**2327.0**	100	4	5	4	2.8
VH 5	**2327.0**	100	10	5	4	2.8
VH 5	**2327.0**	100	20	5	4	2.8
VH 5	**2327.0**	100	100	5	4	2.8
VH 8,5	**2085.0**	100	2	8,5	4	2.8
VH 8,5	**2085.0**	100	3	8,5	4	2.8
VH 8,5	**2085.0**	100	4	8,5	4	2.8
VH 8,5	**2085.0**	100	10	8,5	4	2.8
VH 8,5	**2085.0**	100	100	8,5	4	2.8
VH 8,5	**2085.0**	100	2	8,5	4	2.8
VH 8,5	**2085.0**	100	3	8,5	4	2.8
VH 8,5	**2085.0**	100	4	8,5	4	2.8
VH 8,5	**2085.0**	100	10	8,5	4	2.8
VH 8,5	**2085.0**	100	83	8,5	4	2.8
VH 13.5	**2017.0**	100	2	13,5	5	3.5
VH 13.5	**2017.0**	100	3	13,5	5	3.5
VH 13.5	**2017.0**	100	4	13,5	5	3.5
VH 13.5	**2017.0**	100	10	13,5	5	3.5
VH 13.5	**2017.0**	100	83	13,5	5	3.5
VH 12	**2059.0**	100	2	12	5	3.5
VH 12	**2059.0**	100	3	12	5	3.5
VH 12	**2059.0**	100	4	12	5	3.5
VH 12	**2059.0**	100	10	12	5	3.5
VH 12	**2059.0**	100	2	12	5	3.5
VH 12	**2059.0**	100	3	12	5	3.5
VH 12	**2059.0**	100	4	12	5	3.5
VH 12	**2059.0**	100	10	12	5	3.5
VH 8	**2283.0**	100	2	8	4,9	3.5
VH 8	**2283.0**	100	3	8	4,9	3.5
VH 8	**2283.0**	100	4	8	4,9	3.5
VH 8	**2283.0**	100	10	8	4,9	3.5
VH 17	**2122.0**	50	2	17	8	5
VH 17	**2122.0**	50	3	17	8	5
VH 17	**2122.0**	50	4	17	8	5
VH 17	**2122.0**	50	10	17	8	5
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

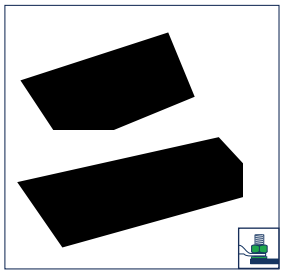
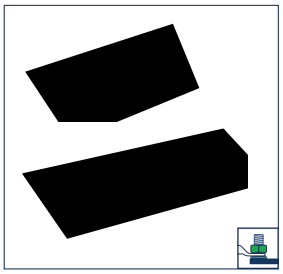
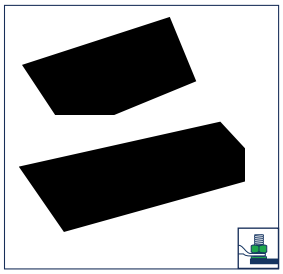
Mounting screw BS / SS

Type	Cat. no.	Qty.	Dimensions	Required amount
BS M2,5x10	**2326.0**	100	M2.5x10	2
BS M2,5x10	**2326.0**	100	M2.5x10	3
BS M2,5x10	**2326.0**	100	M2.5x10	4
BS M2,5x10	**2326.0**	100	M2.5x10	10
BS M2,5x10	**2326.0**	100	M2.5x10	20
BS M2,5x10	**2326.0**	100	M2.5x10	100
BS M2,5x10	**2326.0**	100	M2.5x10	2
BS M2,5x10	**2326.0**	100	M2.5x10	3
BS M2,5x10	**2326.0**	100	M2.5x10	4
BS M2,5x10	**2326.0**	100	M2.5x10	10
BS M2,5x10	**2326.0**	100	M2.5x10	20
BS M2,5x10	**2326.0**	100	M2.5x10	100
BS M2,5x14	**2086.0**	100	M2.5x14	2
BS M2,5x14	**2086.0**	100	M2.5x14	3
BS M2,5x14	**2086.0**	100	M2.5x14	4
BS M2,5x14	**2086.0**	100	M2.5x14	10
BS M2,5x14	**2086.0**	100	M2.5x14	100
BS M2,5x14	**2086.0**	100	M2.5x14	2
BS M2,5x14	**2086.0**	100	M2.5x14	3
BS M2,5x14	**2086.0**	100	M2.5x14	4
BS M2,5x14	**2086.0**	100	M2.5x14	10
BS M2,5x14	**2086.0**	100	M2.5x14	83
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x20	**2018.0**	100	M3x20	83
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x15 w. SS	**2284.0**	100	M3x15	2
BS M3x15 w. SS	**2284.0**	100	M3x15	3
BS M3x15 w. SS	**2284.0**	100	M3x15	4
BS M3x15 w. SS	**2284.0**	100	M3x15	10
BS M4x30 | SS M4	**2123.0** | **2124.0** 50|50		M4x30 | M4	2 each
BS M4x30 | SS M4	**2123.0** | **2124.0** 50|50		M4x30 | M4	3 each
BS M4x30 | SS M4	**2123.0** | **2124.0** 50|50		M4x30 | M4	4 each
BS M4x30 | SS M4	**2123.0** | **2124.0** 50|50		M4x30 | M4	10 each
BS M3x6	**2365.0**	100	M3x6	2
BS M3x6	**2365.0**	100	M3x6	3
BS M3x6	**2365.0**	100	M3x6	4
BS M3x6	**2365.0**	100	M3x6	10

Cross-connection rails QS for stud terminals HSK

With neighbouring stud terminals, it is possible to implement potential distribution over a two- or three-pole cross-connection. The corresponding windows on the **TW** partition must be slotted out first, in order to mount the cross-connections.

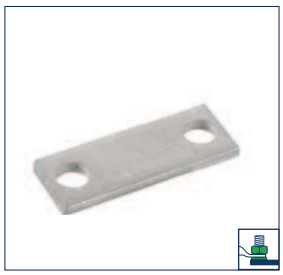
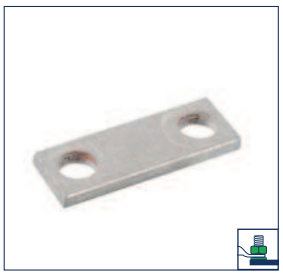
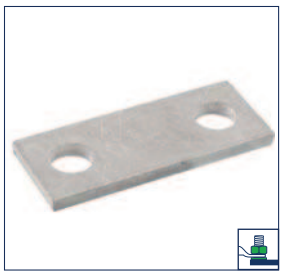
Features:
· 2 - and 3-pole versions
· Potential distribution between different sizes is also possible
· Designed for the rated current of the corresponding stud terminal
· Clearly saves time with quick potential distribution

	QS../16	QS../35	QS../50
			
	Cross-connection rail	Cross-connection rail	Cross-connection rail
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	QS 2/16	QS 2/35	QS 2/50
Cat. no. 2 poles	**17008.0** 1	**17010.0** 1	**17012.0** 1
Type/colour	QS 3/16	QS 3/35	QS 3/50
Cat. no. 3 poles	**17009.0** 1	**17011.0** 1	**17013.0** 1
Colours available			
Ratings			
Rated current, A	76	125	150
Max. voltage, V	1000	1000	1000
Hole size, mm	5.2	6.2	8.2
Pitch, mm	15	18	23
Accessories	**Page Qty**	**Page Qty**	**Page Qty**
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
For terminal			
	HSK 16/M5 B	HSK 35/M6 B HSK 35/M6 B/B	HSK 50/M8 B HSK 50/M8 B/B

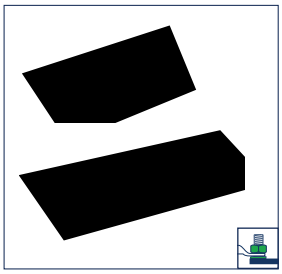
QS cross-connection rail

With neighbouring stud terminals, it is possible to implement potential distribution over two-pole **QS** cross-connection rails. The cross-connections are each designed for the rated current of the terminal. They are simply placed together with the cable lug over the stud. When using the cross-connection rails, do not use the partitions between the individual terminals. A cover over the terminals is not possible here.

Features:
· 2-pole version
· Designed for the rated current of the corresponding stud terminal
· Clearly saves time with quick potential distribution

	QS 2		QS 2
			
	Cross-connection rail	Cross-connection rail	Cross-connection rail
Type	**Qty.**	**Qty.**	**Qty.**
Cat. no.	QS 2	QS 2	QS 2
Type/colour 2 poles	**2410.0** 1	**2411.0** 1	**2412.0** 1
Cat. no.			
Colours available 3 poles			
Max. voltage, V	76	192	232
Hole size, mm	1000	1000	1000
Pitch, mm	8.2	10.2	12.6
	15	40	40
Cat. no.	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour			
Cat. no.			
	HSK 70/B HSK 70 B/B	HSK 95 B HSK 95 B/B	HSK 150 B HSK 150 B/B

QS../120



Cross-connection rail

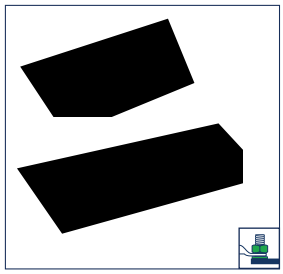
Qty.
QS 2/120/10 **17014.0** 1
QS 3/120/10 **17015.0** 1

269
1000
10.2
34

Page	Qty.

HSK 120/M10 B
HSK 120/M10 B/B

QS../120



Cross-connection rail

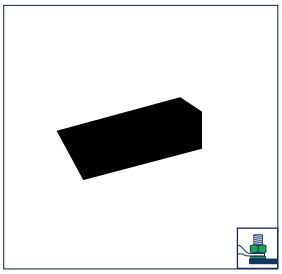
Qty.
QS 2/120/12 **17016.0** 1
QS 3/120/12 **17017.0** 1

269
1000
12.2
34

Page	Qty.

HSK 120/M12 B
HSK 120/M12 B/B

QS 2 HSK 35/M6 - M8



Cross-connection rail M6 to M8

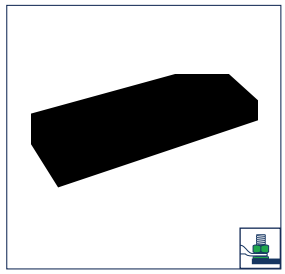
Qty.
QS 2 HSK 35/M6 - M8 **17028.2** 1

150
1000
1 x 6.2 - 1 x 8.2
-

Page	Qty.

HSK 35/M6 B
HSK 35/M6 B/B

QS 3 HSK 35/M6 - M10/2



Cross-connection rail M6 to M10

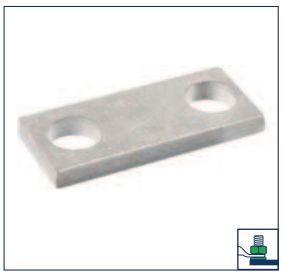
Qty.
QS 3 HSK 35/M6 - M10/2 **17029.2** 1

269
1000
1 x 6.2 - 2 x 10.2
-

Page	Qty.

HSK 35/M6 B
HSK 35/M6 B/B

QS 2



Cross-connection rail

Qty.
QS 2 **2413.0** 1

309
1000
16.2
50

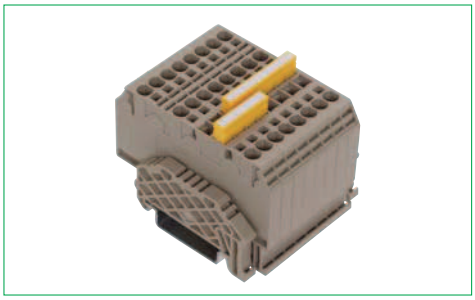
Page	Qty.

HSK 240 B
HSK 240 B/B

Insulated cross-connections FQI (potential distribution)

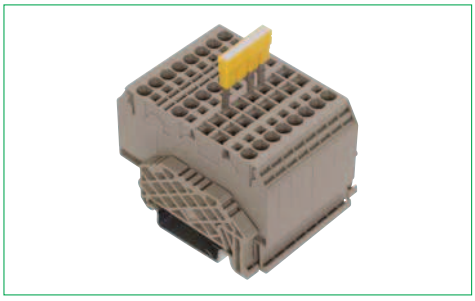
The **FQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections. The pluggable design of the **FQI** offers the advantage that it can carry the rated current even while operating at the rated voltage of 800 V! The **FQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles.

Parallel connections between various potentials, without loss of poles, is possible in the 1.5 mm², 2.5 mm² and 4 mm² cross-section ranges.

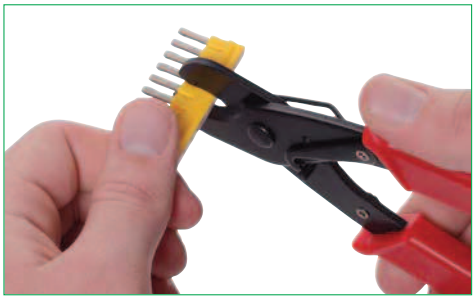


With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact poles.

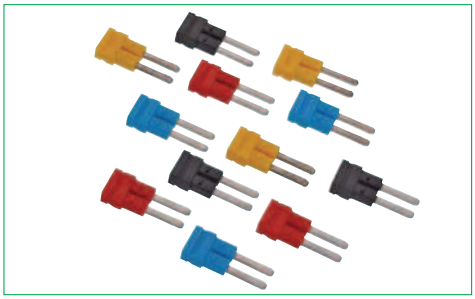
The disconnected contact elements can be labelled by using the plastic insulation from the cross-connection.



It is possible to shorten the cross-connection with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained. For standard terminal blocks in the cross-sections 1.5 mm² 2.5 mm² and 4 mm², it is adequate to attach the **FQI**s in an offset position (two cross-connection channels).

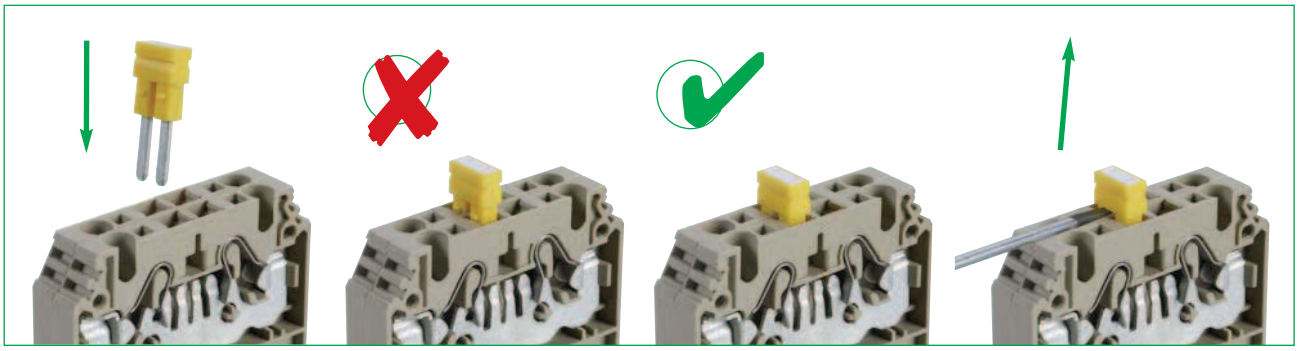


In order to help distinguish between different potentials, other colour variants are available for the **FQI 1,5**, **FQI 2,5** and **FQI 4** cross-connectors!

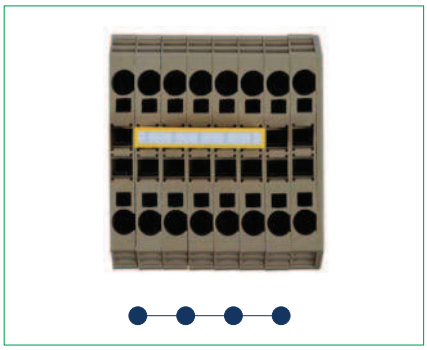


Insulated cross-connections FQI (potential distribution)

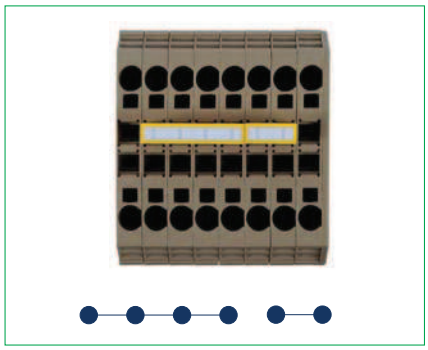
Usage of the FQI



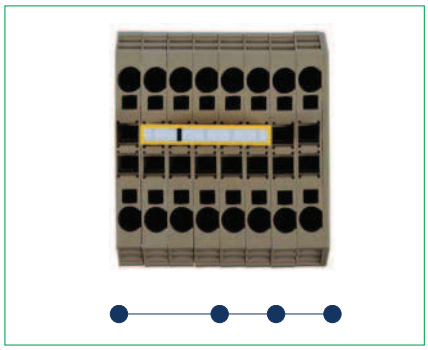
Cross-connection options



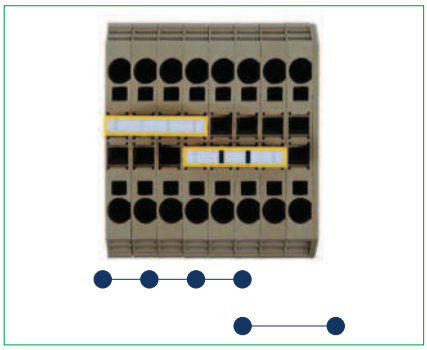
Simple



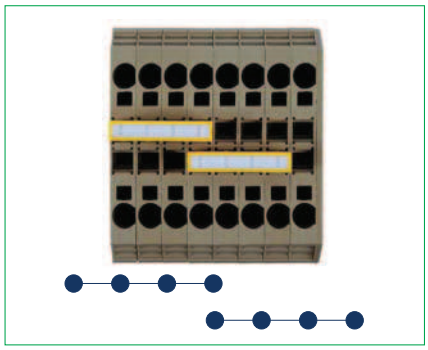
Side-by-side



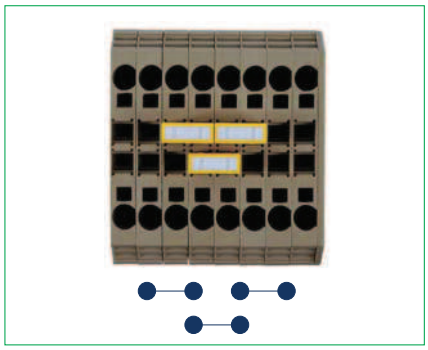
Alternating



Parallel alternating



Parallel extended



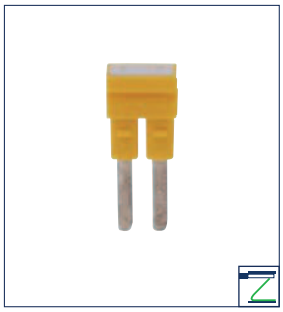
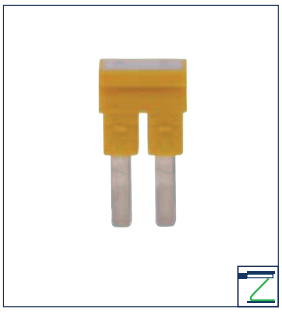
Chain linked

Insulated cross-connections FQI

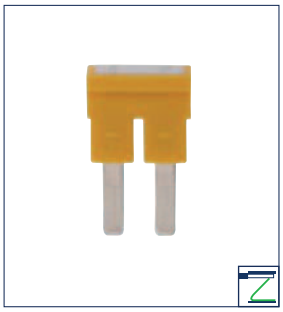
Cross-connections FQI

The **FQI** cross-connections for the **FRK** pressure-spring connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range.

The terminal block design and the variability of the cross-connector ensure excellent flexibility.

	FQI 1,5...	FQI 2,5...	FQI 2,5-4...
			
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	FQI 1,5/2 YE	FQI 2,5/2 YE	FQI 2,5-4/2 YE
Cat. no.	**3452.8** 50	**3462.8** 50	**3492.8** 50
Type/colour 3 poles	FQI 1,5/3 YE	FQI 2,5/3 YE	FQI 2,5-4/3 YE
Cat. no.	**3453.8** 50	**3463.8** 50	**3493.8** 50
Type/colour 4 poles	FQI 1,5/4 YE	FQI 2,5/4 YE	FQI 2,5-4/4 YE
Cat. no.	**3454.8** 20	**3464.8** 20	**3494.8** 20
Type/colour 5 poles	FQI 1,5/5 YE	FQI 2,5/5 YE	FQI 2,5-4/5 YE
Cat. no.	**3455.8** 20	**3465.8** 20	**3495.8** 20
Type/colour 6 poles	FQI 1,5/6 YE	FQI 2,5/6 YE	FQI 2,5-4/6 YE
Cat. no.	**3456.8** 20	**3466.8** 20	**3496.8** 20
Type/colour 7 poles	FQI 1,5/7 YE	FQI 2,5/7 YE	FQI 2,5-4/7 YE
Cat. no.	**3457.8** 20	**3467.8** 20	**3497.8** 20
Type/colour 8 poles	FQI 1,5/8 YE	FQI 2,5/8 YE	FQI 2,5-4/8 YE
Cat. no.	**3458.8** 10	**3468.8** 10	**3498.8** 10
Type/colour 9 poles	FQI 1,5/9 YE	FQI 2,5/9 YE	FQI 2,5-4/9 YE
Cat. no.	**3459.8** 10	**3469.8** 10	**3499.8** 10
Type/colour 10 poles	FQI 1,5/10 YE	FQI 2,5/10 YE	FQI 2,5-4/10 YE
Cat. no.	**3450.8** 10	**3460.8** 10	**3490.8** 10
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.8
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	17.5	24	32
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	800	800	800
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	4	5	5
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 1,5... FSL 1,5...	FRK 2,5... FSL 2,5... FRKD 2,5... FSLD 2,5... FTRK 2,5...	FDLIS 2,5-4...

FQI 4...



Cross-connection insulated

	Qty.
FQI 4/2 YE **3472.8**	50
FQI 4/3 YE **3473.8**	50
FQI 4/4 YE **3474.8**	20
FQI 4/5 YE **3475.8**	20
FQI 4/6 YE **3476.8**	20
FQI 4/7 YE **3477.8**	20
FQI 4/8 YE **3478.8**	10
FQI 4/9 YE **3479.8**	10
FQI 4/10 YE **3470.8**	10

.4 .5 .8 .9
IEC
32
800
800
- |3
6

Page	Qty.

Remarks
FRK 4... FSL 4...

Cross-connections FQI (feeding potentials)

The **FQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections.

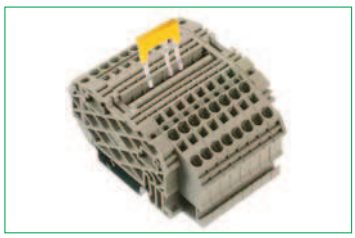
Feed-in through	Outlet through	Feed on left start	Feed on right end
FRK 1,5/2A (**3200...**)	FRK 1,5/2A (3200...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	not possible
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	FQI 1,5/2	FQI 1,5/2
	FRK 2,5/3A (3211...)	FQI 1,5/2	not possible
	FRK 2,5/4A (3212...)	FQI 1,5/2	not possible
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 1,5/3A (**3201...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 1,5/2
	FRK 2,5/3A (3211...)	FQI 1,5/2	FQI 1,5/2
	FRK 2,5/4A (3212...)	FQI 1,5/2	not possible
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 1,5/4A (**3202...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	not possible	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	FQI 1,5/...
	FRK 2,5/2A (3210...)	not possible	FQI 1,5/2
	FRK 2,5/3A (3211...)	not possible	FQI 1,5/2
	FRK 2,5/4A (3212...)	FQI 1,5/2	FQI 1,5/2
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 2,5/2A (**3210...**)	FRK 1,5/2A (3200...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	not possible
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	not possible
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	FQI 2,5/2	FQI 2,5/2
	FRK 4/3A (3221...)	FQI 2,5/2	not possible
	FRK 4/4A (3222...)	FQI 2,5/2	not possible
FRK 2,5/3A (**3211...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	not possible	FQI 2,5/2
	FRK 4/3A (3221...)	FQI 2,5/2	FQI 2,5/2
	FRK 4/4A (3222...)	FQI 2,5/2	not possible
FRK 2,5/4A (**3212...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	not possible	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	FQI 1,5/...
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	not possible	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	FQI 2,5/...
	FRK 4/2A (3220...)	not possible	FQI 2,5/2
	FRK 4/3A (3221...)	not possible	FQI 2,5/2
	FRK 4/4A (3222...)	FQI 2,5/2	FQI 2,5/2
FRK 4/2A (**3220...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	not possible
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	FQI 4/...	FQI 4/...
	FRK 4/3A (3221...)	FQI 4/...	not possible
	FRK 4/4A (3222...)	FQI 4/...	not possible
FRK 4/3A (**3221...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	not possible	FQI 4/...
	FRK 4/3A (3221...)	FQI 4/...	FQI 4/...
	FRK 4/4A (3222...)	FQI 4/...	not possible
FRK 4/4A (**3222...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	not possible	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	FQI 2,5/...
	FRK 4/2A (3220...)	not possible	FQI 4/...
	FRK 4/3A (3221...)	not possible	FQI 4/...
	FRK 4/4A (3222...)	FQI 4/...	FQI 4/...

Insulated cross-connections ZQI (potential distribution)

The **ZQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges. The pluggable design of the **ZQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **ZQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles. It is available with up to 99 poles in the 2 mm² cross-section range.

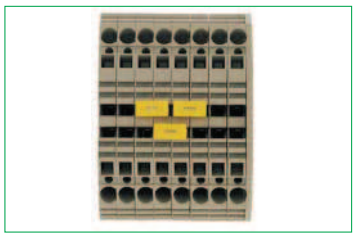
Parallel connections between various potential, without loss of poles, is possible in the 2.5 mm² and 4 mm² cross-section ranges.

With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact poles.

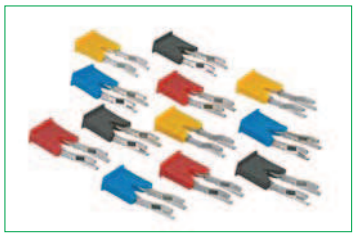


It is possible to shorten the cross-connection with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained. For standard terminal blocks in the cross-sections 2.5 mm² and 4 mm², it is adequate to attach the **ZQIs** in an offset position (two cross-connection channels).

In the 10 mm² and 16 mm² cross-sections, cross-connections larger than two poles are implemented using the corresponding **ZQI/.../2** together with a chain link.



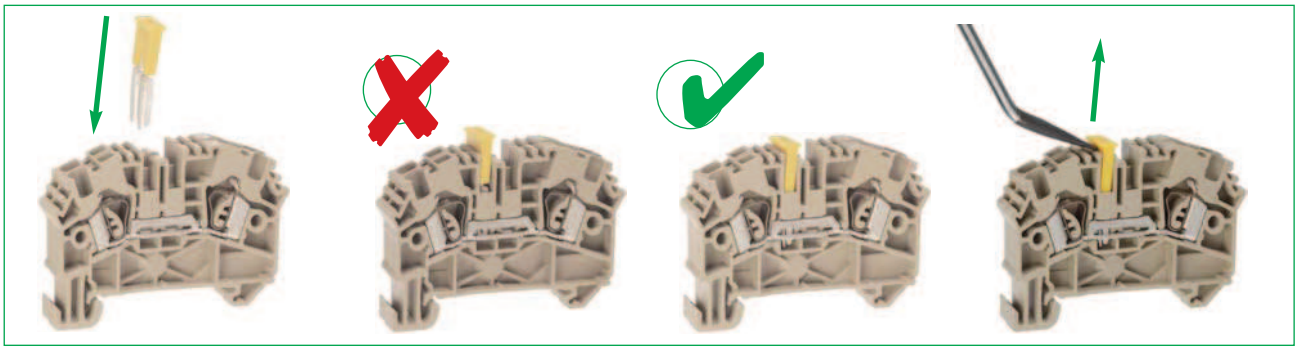
In order to help distinguish between different potentials, other colour variants are available for the **ZQI 2,5** and **ZQI 4** cross-connectors!



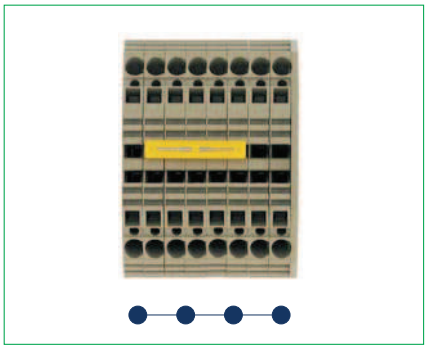
Important note:
Do not deform the shape of the **ZQI**s (do not take apart or press together).

Insulated cross-connections ZQI (potential distribution)

Usage of ZQI

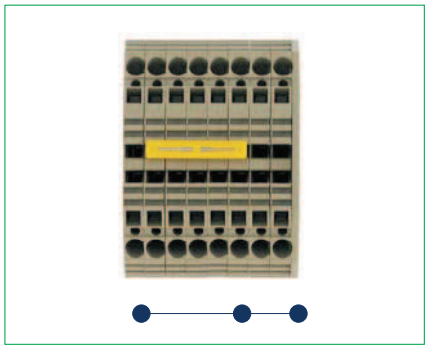


Cross-connection options

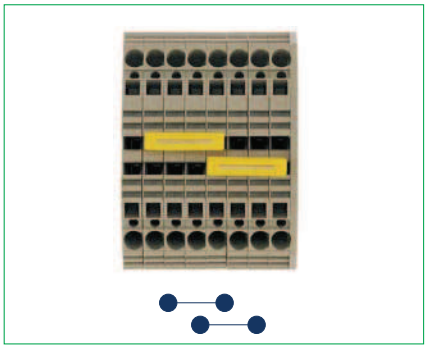


Simple

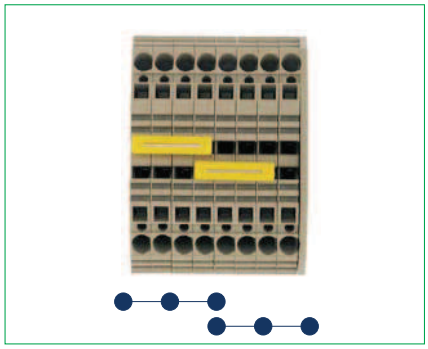
Side-by-side



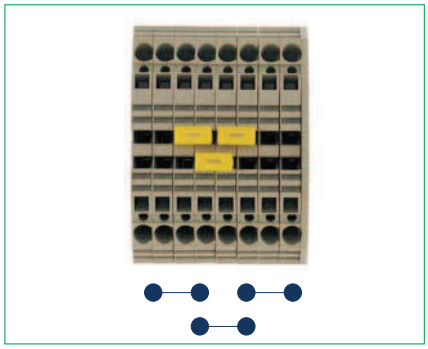
Alternating



Parallel alternating



Parallel extended



Chain linked

Cross-connections ZQI | Vertical connector ZVQI | External insulated cross-connector AQI

Overview of cross-connections available with tension-spring connection system

The cross-connections listed here can be used to connect up to twenty terminals blocks with each other. This flexible system helps you to save time during installation and thus also save money.

The **ZQI 2,5/99** is a many-pole pluggable cross-connector for all tension-spring terminals with rated cross-sections of 2.5 mm². There is a captive connection between the insulation and the crest. The **ZQI 2,5/99** covers 99 poles. A suitable cutting tool can be used to shorten it to the required pole length.

The **ZVQI 2,5** vertical cross-connector provides a pluggable electrical connection between the levels of the **ZRKD** and **ZIKD**. When a vertical connector is inserted, it is still possible to make a cross-connection to the neighbouring terminal blocks.

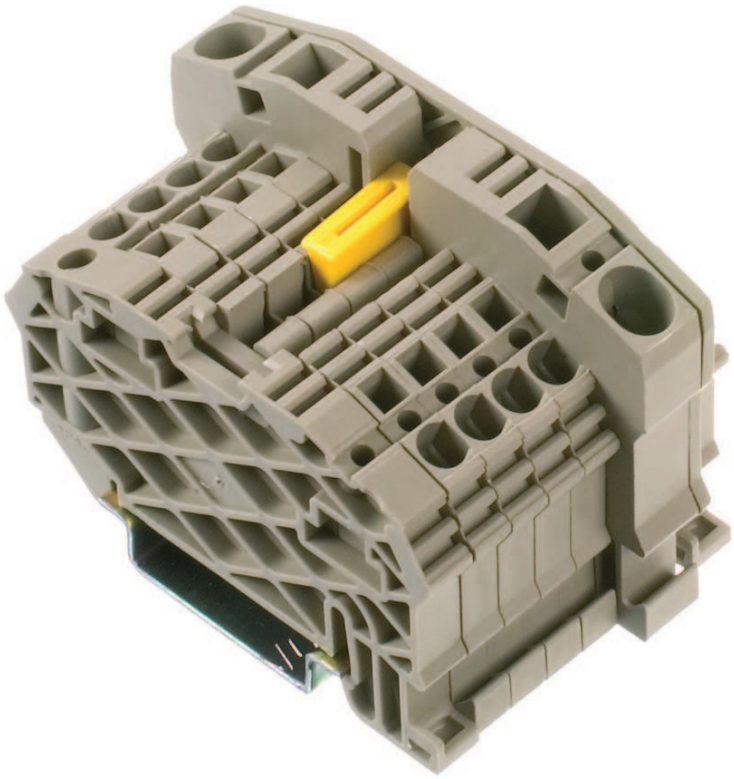
Insulated external cross-connector

External cross-connection bridges make it possible to branch off the potential for terminals which are not available in the middle of the terminal via a cross-connection channel. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.

Cross-connections ZQI (feeding potentials)

It is possible to cross-connect large cross-section terminals to smaller ones. This allows for a simple distribution among different potential levels and cross-section levels.

The **ZQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges.



Cross-connections ZQI (potential distribution)

The ZQI pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges.

Feed-in with	Outlet through	Feed on left start	Feed on right end	
ZRK 2,5/2A (**3500...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	ZQI 4/...	not possible	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	ZQI 4/2	ZQI 2,5/...	
ZRK 2,5/3A (**3501...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 2,5/2	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	not possible	ZQI 2,5/...	
ZRK 2,5/4A (**3502...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 2,5/2	
	ZRK 4/3A (3**516...**)	not possible	ZQI 2,5/2	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	not possible		
ZRK 4/2A (**3515...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	ZQI 4/2	ZQI 4/2	
ZRK 4/3A (**3516...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	not possible	ZQI 4/2	
ZRK 4/4A (**3517...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 4/2	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	
	ZRK 4/3A (**3516...**)	not possible	ZQI 4/...	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/...	
	ZRK 6/2A (**3581...**)	not possible	ZQI 4/2	
ZRK 6/2A (**3581...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI6,0/...	
ZRK 10/2A (**3597...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/4A (**3502...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 4/2A (**3515...**)	not possible	not possible	
	ZRK 4/3A (**3516...**)	not possible	not possible	
	ZRK 4/4A (**3517...**)	not possible	not possible	
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI 6.0/...	
	ZRK 10/2A (**3597...**)	ZQI 10/2	ZQI 10/2	
ZRK 16/2A (**3636...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/4A (**3502...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 4/3A (**3516...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 4/4A (**3517...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI 10/2	
	ZRK 10/2A (**3597...**)	ZQI 10/2	ZQI 16/2	
	ZRK 16/2A (**3636...**)	ZQI 16/2	ZQI 16/2	

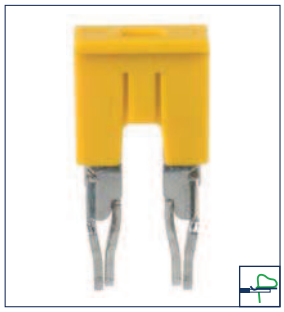
Insulated cross-connections ZQI/AQI/ZVQI

Cross-connections ZQI | AQI | ZVQI

The cross-connections for the **ZRK** tension-spring connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range.

The terminal block design and the variability of the cross-connector ensure excellent flexibility.

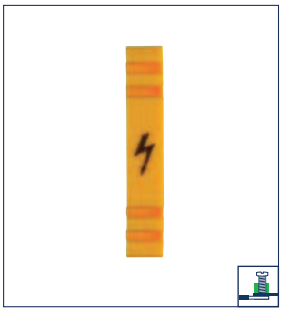
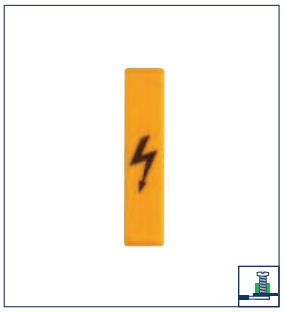
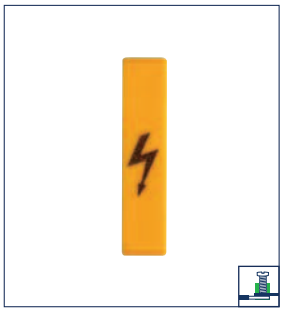
	ZQI 2,5...	ZQI 2,5/99	ZQI 4
			
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour **Cat. no.** 2 poles	ZQI 2,5/2 YE **3710.8** 50		ZQI 4/2 YE **3720.8** 50
Type/colour **Cat. no.** 3 poles	ZQI 2,5/3 YE **3711.8** 50		ZQI 4/3 YE **3721.8** 50
Type/colour **Cat. no.** 4 poles	ZQI 2,5/4 YE **3712.8** 20		ZQI 4/4 YE **3722.8** 20
Type/colour **Cat. no.** 5 poles	ZQI 2,5/5 YE **3713.8** 20		ZQI 4/5 YE **3723.8** 20
Type/colour **Cat. no.** 6 poles	ZQI 2,5/6 YE **3714.8** 20		ZQI 4/6 YE **3724.8** 20
Type/colour **Cat. no.** 7 poles	ZQI 2,5/7 YE **3715.8** 20		ZQI 4/7 YE **3725.8** 20
Type/colour **Cat. no.** 8 poles	ZQI 2,5/8 YE **3716.8** 10		ZQI 4/8 YE **3726.8** 10
Type/colour **Cat. no.** 9 poles	ZQI 2,5/9 YE **3717.8** 10		ZQI 4/9 YE **3727.8** 10
Type/colour **Cat. no.** 10 poles	ZQI 2,5/10 YE **3718.8** 10		ZQI 4/10 YE **3728.8** 10
Type/colour **Cat. no.** 99 poles		ZQI 2,5/0.5 w/99 poles YE **3719.8** 1	
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.4 .5 .8 .9
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	24	24	32
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	800	800	800
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	5	5	6
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZSRK 2,5... ZRK 2,5...	ZSRK 2,5... ZRK 2,5...	ZRK 4... ZRK 4...
	ZRKD 2,5 ZIKD 2,5	ZRKD 2,5 ZIKD 2,5	
	ZTRK 2,5 ZIZA 1,5	ZTRK 2,5 ZIZA 1,5	
	RK 2,5/35N 2Q	RK 2,5/35N 2Q	

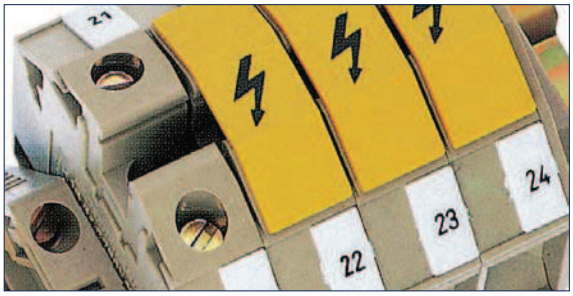
ZQI 6...	ZQI 10	ZQI 16	AQI.../5/15	ZVQI 2,5
				
Cross-connection insulated	Cross-connection insulated	Cross-connection insulated	External cross-connection insulated	Vertical connector insulated
Qty.	Qty.	Qty.	Qty.	Qty.
ZQI 6/2 YE **3763.8** 50	ZQI 10/2 YE **3789.8** 20	ZQI 16/2 YE **3800.8** 20	AQI 2/5/15 YE **2023.0** 50	ZVQI 2,5 OG **3744.2** 20
ZQI 6/3 YE **3764.8** 50			AQI 3/5/15 YE **2024.0** 50	
ZQI 6/4 YE **3765.8** 20			AQI 4/5/15 **2028.0** 10	
ZQI 6/5 YE **3766.8** 20				
ZQI 6/6 YE **3767.8** 20				
ZQI 6/7 YE **3768.8** 20				
ZQI 6/8 YE **3769.8** 10				
ZQI 6/9 YE **3470.8** 10				
ZQI 6/10 YE **3471.8** 10			AQI 10/5/15 **2029.0** 10	
.4 .5 .8 .9				
IEC	IEC	IEC	IEC	IEC
41	57	75	24	24
800	800	1000		800
800	800	1000		800
- |3	- |3	- |3	- |3	|3
8	10	12		
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
Remarks	Remarks	Remarks	Remarks	Remarks
ZRK 6...	ZRK 10...	ZRK 16...	ZSRK 2,5... ZRK 2,5... ZRKD 2,5 ZIKD 2,5 ZTRK 2,5 ZIZA 1,5	ZRKD 2,5 ZIKD 2,5

Individual covers EA| Individual and four-way covers AD

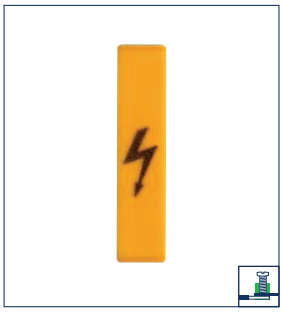
Individual covers EA | Individual and four-way covers AD

VDE regulations require that the mains terminals be covered. The **EA** and **AD** yellow covers (labelled with a lightning flash) are used to cover the operational channel and the cross-connection channel of the terminal. Thus they discourage operation of the terminal while live voltage is present. The **EA 1** and **AD 1** covers are snapped down on the terminal blocks. The **BS 1** marker pen or the **EMS** labelling system can be used to label the white variants. The **AD 4**, which is designed for four terminals of the corresponding cross-section size, is mechanically attached using two plastic screws. Two print variants (German and English (.../E)) are available.

	EA 1...	AD 1/5	AD 1/6
			
	Individual cover, blank / Individual cover, with lightning flash symbol	Individual cover, blank / Individual cover, with lightning flash symbol	Individual cover, blank / Individual cover, with lightning flash symbol
Type	**Print Qty.**	**Print Qty.**	**Print Qty.**
Type/colour	EA 1 BG	AD 1/5 WH	AD 1/6 WH
Cat. no.	**2703.2** Blank 50	**2962.0** Blank 50	**2965.0** Blank 50
Type/colour	EA 1 WH	AD 1/5/N WH	
Cat. no.	**2703.7** Blank 50	**2963.0** Blank 50	
Type/colour	EA 1 YE		
Cat. no.	**2703.8** Blank 50		
Type/colour	EA 1/B BG	AD 1/5/B YE	AD 1/6/B YE
Cat. no.	**2803.2** Lightning flash 50	**2952.0** Lightning flash 50	**2953.0** Lightning flash 50
Type/colour	EA 1/B WH	AD 1/5/N/B YE	
Cat. no.	**2803.7** Lightning flash 50	**2964.0** Lightning flash 50	
Type/colour	EA 1/B YE		
Cat. no.	**2803.8** Lightning flash 50		
Colours available	.2 .7 .8		
Ratings			
Width, mm	5	5	6
Labelling			
	Blank B lightning flash	Blank B lightning flash	Blank B lightning flash
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB/50 WH		
Cat. no.	**4600.7** 339 500		
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 2,5 RK 2,5-4 RK 6-10 RK 2,5-4 ZR RK 2,5-4 ZRL FF 2.5 SF 2,5-4 SL 2,5 SL 4 SL 10 SRK 2,5/2A SSL 2,5/2A	RK 2,5 AD 1/5 KBL 2,5 AD 1/5 RK 2,5 N 2Q A/D 1/5 N SRK 2,5/2A SSL 2,5/2A	RK 2,5-4 KBL 2.5-4 SRK 4/2A SSL 4/2A



AD 1/8



Individual cover, blank / Individual cover, with lightning flash symbol

Print		Qty.
AD 1/8 WH		
2966.0	Blank	50
AD 1/8/B YE		50
2954.0	Lightning flash	

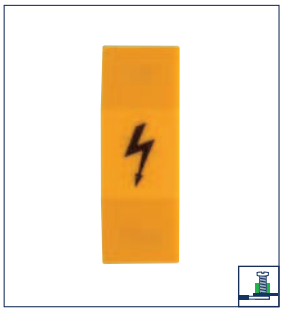
8

Blank
B lightning flash

Page	Qty.

Remarks	
RK 6-10	
KBL 6-10	
SRK 6/2A	
SSL 6/2A	
SRK 10/2A	
SSL 10/2A	

AD 1/12



Individual cover, blank / Individual cover, with lightning flash symbol

Print		Qty.
AD 1/12 WH		
2969.0	Blank	20
AD 1/12/N WH		
2967.0	Blank	20
AD 1/12/B YE		
2819.0	Lightning flash	20
AD 1/12/N/B YE		
2955.0	Lightning flash	20

12

Blank
B lightning flash

Page	Qty.

Remarks	
RK 16	AD 1/12
RK 16/35 N	A/D 1/12 N

AD 1/16

Individual cover, blank / Individual cover, with lightning flash symbol

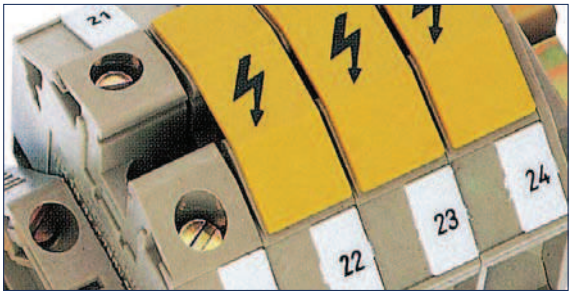
Print		Qty.
AD 1/16 WH		
2970.0	Blank	20
AD 1/16/N WH		
2968.0	Blank	20
AD 1/16/B YE		
2820.0	Lightning flash	20
AD 1/16/N/B YE		
2956.0	Lightning flash	20

16

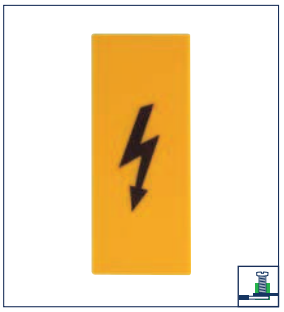
Blank
B lightning flash

Page	Qty.

Remarks	
RK 35	AD 1/16
RK 35/35 N	A/D 1/16 N



AD/1/50...AD 1/240



Individual cover, with lightning flash symbol

Print		Qty.
AD 1/50/B YE		
2810.0	Lightning flash	20
AD 1/95/B YE		
2804.0	Lightning flash	20
AD 1/150/B YE		
2806.0	Lightning flash	20
AD 1/240/B YE		
2808.0	Lightning flash	20

20, 25, 31, 36

B lightning flash

Page	Qty.

Remarks	
RK 50	AD 1/50 B
RK 95	A/D 1/95 B
RK 150	AD 1/150 B
RK 240	A/D 1/240 B

AD 4

Four-way cover with lightning flash

Print		Qty.
AD 4/20/B YE		
2712.0	Blank	50
AD 4/24/B YE		
2079.0	Blank	50
AD 4/24/B YE		
2011.0	Blank	50
AD 4/32/B YE		
2054.0	Lightning flash	50
AD 4/24/BE YE		
2493.0	Lightning flash	50
AD 4/24/BE YE		
2494.0	Lightning flash	50
AD 4/24/BE YE		
2713.0	Lightning flash	50
AD 4/32/BE YE		
2495.0	Lightning flash	50

(8)

"Vorsicht Spannung" and lightning flash
E "Attention Voltage" and lightning flash

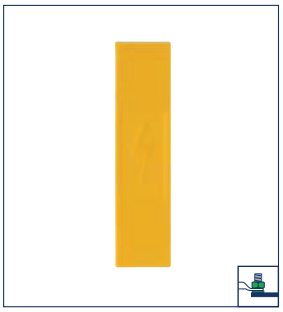
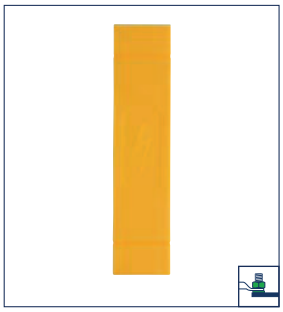
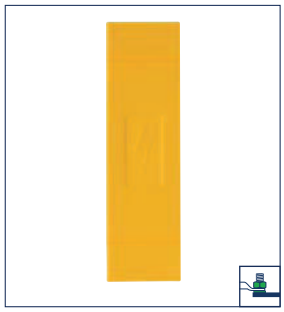
Screw	Qty.
BSK M 2,5x22 BK	
2080.0	100
BSK M 3x22 BK	
2012.0	100

Screw		AD
RK 2,5	M 2,5	AD 4/20...
KBL 2,5		**2712.0**
		2713.0
RK 1,5-4	M 2.5	AD 4/24...
RKD 4		**2079.0**
KBL 1,5-4		**2493.0**
KBLD 4		
RK 2,5-4	M 3	AD 4/24...
KBL 2.5-4		**2011.0**
		2494.0
RK 6-10	M3	AD 4/32...
KBL 6-10		**2054.0**
		2495.0

Individual covers AD | Protective hoods AH

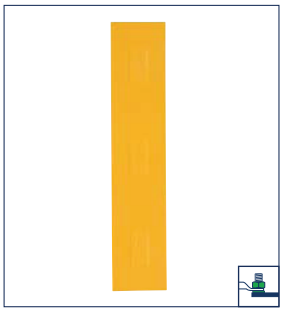
Individual covers AD

The **AD** covers can snapped on, simply and securely, to the matching clips in the **TW** partitions. In this quick and reliable way, touch-safe protection of the terminal points is always guaranteed.

	AD 16	AD 35	AD 50
			
	Individual cover	Individual cover	Individual cover
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	AD 16 YE	AD 35 YE	AD 50 YE
Cat. no.	**17019.8** 20	**17020.8** 20	**17021.8** 20
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.8	.8	.8
Ratings			
Width, mm	13	16	21
Length, mm	53	71	76
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Labelling			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	TW 16-120 BG	TW 16-120 BG	TW 16-120 BG
Cat. no.	**17018.2** 316 20	**17018.2** 316 20	**17018.2** 316 20
Type/colour		TW 35-120/B/B BG	TW 35-120/B/B BG
Cat. no.		**17022.2** 316 20	**17022.2** 316 20
For terminal			
	HSK 16/M5 B	HSK 35/M6 B HSK 35/M6 B/B	HSK 50/M8 B HSK 50/M8 B/B

Protective hood AH

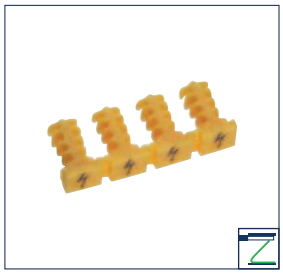
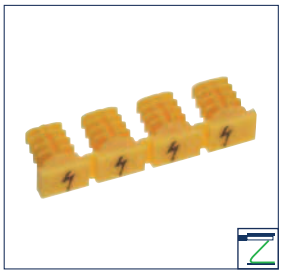
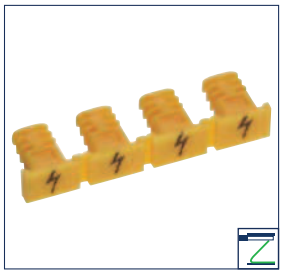
The transparent **AH** covers offer a simple and safe method for protecting terminals and wires from accidental touch. They are securely screwed into the flanges built into the **TW** partition plates.

AD 120	AH 40	AH 50
		
Individual cover	Protective hood	Protective hood
Qty.	Qty.	Qty.
AD 120 YE	AH 40 transparent	AH 50 transparent
17026.8 20	**2381.0** 1	**2382.0** 1
Type		
Type/colour		
Cat. no.		
Type/colour		
Cat. no.		
Type/colour		
Cat. no.		
Type/colour		
Cat. no.		
Type/colour		
Cat. no.		
.8		
Colours available		
Ratings		
32	40	50
Width, mm		
158		
PA 6.6 V0	Polycarbonate	Polycarbonate
Material		
labelling		
Accessories		
Page Qty.	Page Qty.	Page Qty.
TW 35-120 BG	TW 97 BG	TW 138 BG
17022.2 316 20	**2380.0** 316 1	**1178.0** 316 1
Type/colour	BS AD/M 2,9x6,5	BS AD/M 2,9x6,5
Cat. no.	**2385.0** 100	**2385.0** 100
For terminal		
HSK 120/M10 B HSK 120/M12 B HSK 120/M10 B/B	HSK 70/35 B HSK 70/35 B/B HSK 95/35 B HSK 95/35 B/B	HSK 150/35 B HSK 150/35 B/B HSK 240/35 B HSK 240/35 B/B

Four-way covers FAD/ZAD

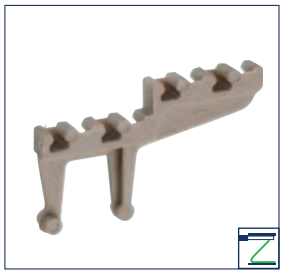
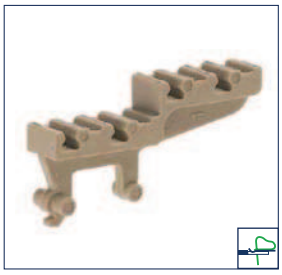
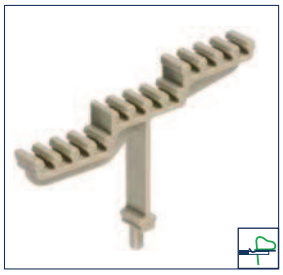
Four-way covers FAD | ZAD

VDE regulations require that the mains terminals be covered.
The yellow **FAD/ZAD** covers (labelled with a lightning flash) are used to cover the operational channel. Thus they discourage operation of the terminal while live voltage is present.

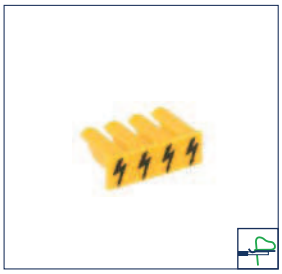
	FAD 1,5	FAD 2.5	FAD 4
			
	Four-way cover with Lightning flash	Four-way cover with Lightning flash	Four-way cover with lighting flash
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	FAD 1,5/4/B YE	FAD 2,5/4/B YE	FAD 4/4/B YE
Cat. no.	**3425.8** 20	**3426.8** 20	**3427.8** 20
Type/colour			
Cat. no.			
Colours available	.8	.8	.8
Ratings			
Pitch, mm	4.1	5.1	6.1
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Connection data			
Accessories	**Page Qty**	**Page Qty**	**Page Qty**
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 1,5... FSL 1.5...	FRK 2,5... FSL 2,5... FRKD 2,5... FSLD 2,5... FDLIS 2,5-4... FTRK2,5...	FRK 4... FSL 4...

Labelling adapter FBA | ZBA

Pressure-spring connection system | Tension-spring connection system

	FBA 1	ZBA 1	ZBA 3
			
	Labelling adapter for double-level terminals	Labelling adapter for double-level terminals	Labelling adapter for multi-level terminals
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	FBA 1 BG	ZBA 1 BG	ZBA 3 BG
Cat. no.	**3424.2** 50	**3745.2** 20	**3813.2** 50
Colours available	.2	.2	.2
Ratings			
Pitch, mm	5.1	5.1	5.1
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB/50 WH	PMC SB/50 WH	PMC SB/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRKD 2,5...	ZRKD 2,5...	ZIKD 2,5... -

ZAD 2,5



Four-way cover with lighting flash

Qty.

ZAD 2,5/4/B YE
3706.0 20

.8

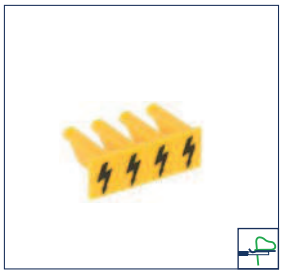
5.1
PA 6.6 V0

Page Qty.

Remarks

ZSRK 2,5...
ZSLN 2,5...
ZRK 2,5...
ZSL 2,5...
ZRKD 2,5...
ZSLD 2,5...
ZIKD 2,5...
ZTRK 2,5...
ZVMAK 2,5...
ZIZA 1,5...

ZAD 4



Four-way cover with lighting flash

Qty.

ZAD 4/4/B YE
3707.0 20

.8

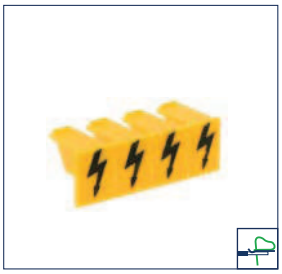
6.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZAD 6



Four-way cover with lighting flash

Qty.

ZAD 6/4/B YE
3708.0 20

.8

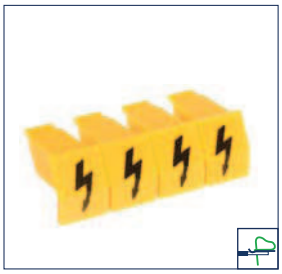
8.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 10...
ZSL 10...

ZAD 10



Four-way cover with lighting flash

Qty.

ZAD 10/4/B YE
3709.0 20

.8

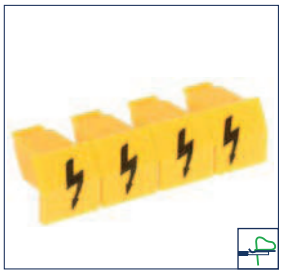
10.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 10...
ZSL 10...

ZAD 16



Four-way cover with Lightning flash

Qty

ZAD 16/4/B YE
3801.0 20

.8

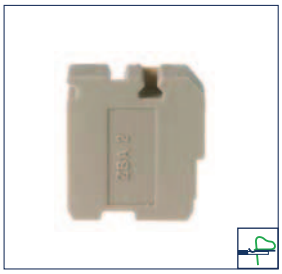
12
PA 6.6 V0

Page Qty.

Remarks

ZRK 16...
ZSL 16...

ZBA 2



Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2 BG
3786.2 50

.2

5,1
PA 6.6 V0

Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

ZBA 2/Z

Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2/Z BG
3787.2 50

.2

5,1
PA 6.6 V0

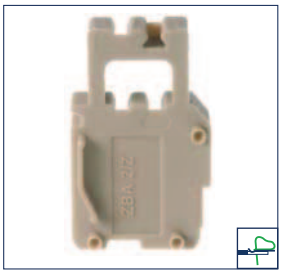
Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

ZBA 2/Z/H



Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2/Z/H BG
17036.2 50

.2

5,1
PA 6.6 V0

Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

Cross-connection channel cover AD

For terminals of types **RK 2,5-4**, **RK 6-10**, **RK2,5-4 ZR**, **RK 2,5-4 ZRL**, **FF 2,5** and **SF 2,5-4**: 60mm long covers are available which can be used to provide touch protection for uninsulated cross-connections.
The profile section is made from polyamide 6.6 and is delivered as either transparent or in white.

Type
Type/colour
Cat. no.

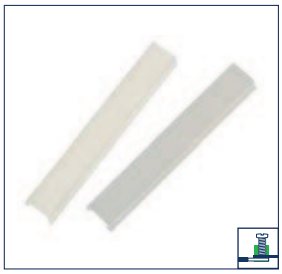
Colours available

Ratings
Length, mm
Width, mm

Connection data

Accessories
Type/colour
Cat. no.
For terminal

AD Q



Covers Cross-connection channel

Qty.

AD Q transparent
2499.0 20

AD Q white
2499.7 20

.7

60
10

RK 2,5-4
RK 6-10
RK 2,5-4 ZR
RK 2,5-4 ZRL
FF 2.5
SF 2,5-4
RK 35

Partition plates TWMF/TW | Cover profile AD | Insulation plate TRS | Connecting sleeves VBS

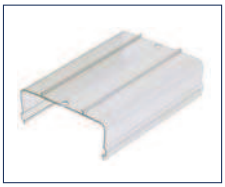
Cover profile AD combined with partition plates TWMF
Many safety requirements (for example, the "Electrical facilities and operating devices" accident prevention regulations (VBG 4) or VDE 0106 part 100/3.83) require that the active components of equipment are protected against direct touch. For terminals using **Q** cross-connectors or test sockets, this protection is provided by additional covers. Cover profiles with assigned support plates are used for this purpose. They can be used with the main terminal sizes. The support plates can be positioned at the end or between groups of terminals. They can be attached to **TS 32** or **TS 35** rails.

Partition with foot TWMF

Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height incl. TS 35x7.5
2957.2	TWMF BG	beige	20	2 mm	PA 6.6 V2	88 mm	70 mm
2957.5	TWMF BU	blue	20	2 mm	PA 6.6 V2	88 mm	70 mm
2957.3	TWMF OG	orange	20	2 mm	PA 6.6 V2	88 mm	70 mm

AD cover profile

Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height incl. TS 35x7.5
2958.2	AD 3/1000 mm	transparent	1	1 m	Polycarbonate	90 mm	70 mm



Partition plates TW
Partition plates must normally be used between uninsulated cross-connectors when making cross-connections.
The is required in order to maintain the required creepage and clearance distances.

Partition plates TW

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2071.2	TW 1.5-4 BG	beige	50	1,5 mm	PA 6.6 V2	RK 1,5-4|RK 1,5-4/15|KBL 1,5-4|KBL 1,5-4/15|RKB 4|FF 1/15
2071.5	TW 1,5-4 BU	blue	50	1,5 mm	PA 6.6 V2	
2002.2	TW 2,5-10 BG	beige	50	1,5 mm	PA 6.6 V2	RK 2,5|KBL 2,5|RK 2,5-4|RK 6-10|KBL 2,5-4|KBL 6-10|SL 4|
2002.5	TW 2,5-10 BU	blue	50	1,5 mm	PA 6.6 V2	SL 4/32|SL 10|SL 10/32|FF 2,5| SF 2,5-4
2002.3	TW 2,5-10 OG	orange	50	1,5 mm	PA 6.6 V2	SRK 2,5/2A | SSL 2,5/2A | SRK 4/2A | SSL 4/2A |
2002.1	TW 2,5-10 GN	green	50	1,5 mm	PA 6.6 V2	SRK 6/2A | SSL 6/2A | SRK 10/2A | SSL 10/2A
2105.2	TW 16 BG	beige	20	1,5 mm	PA 6.6 V2	RK 16
2105.5	TW 16 BU	blue	20	1,5 mm	PA 6.6 V2	
2117.2	TW 35 BG	beige	20	1,5 mm	PA 6.6 V2	RK 35
2117.5	TW 35 BU	blue	20	1,5 mm	PA 6.6 V2	
2426.2	TW 2,5 BG	beige	50	1,5 mm	PA 6.6 V2	SRK 2,5
2428.2	TW 2,5/15 BG	beige	50	1,5 mm	PA 6.6 V2	SRK 2,5/15
2379.0	TW 71 BG	beige	1	2 mm	PA 6.6 V2	HSK 70/35 B/B | HSK 95/35 B/B
2380.0	TW 97 BG	beige	1	2 mm	PA 6.6 V2	HSK 70 B | HSK 95 B | HSK 150/35 B/B | HSK 240/35 B/B
1178.0	TW 138 BG	beige	1	2 mm	PA 6.6 V2	HSK 150 B | HSK 240 B
17018.2	TW 16-120 BG	beige	20	2 mm	PA 6.6 V0	HSK 16/M5 B | HSK 35/M6 B | HSK 50/M8 B | HSK 120/M10 B | HSK 120/M12 B
17022.2	TW 35-120/B/B BG	beige	20	2 mm	PA 6.6 V0	HSK 120/M10 B | HSK 120/M12 B | HSK 35/M6 B/B | HSK 50/M8 B/B | HSK 120/M10 B/B

Insulation plate TRS
When using cross-connections, insulation plates are used for certain terminal types in order to maintain the required creepage and clearance distances. Insulation plates can retroactively be inserted between cross-connectors.

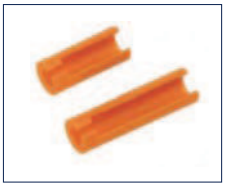
Insulation plate TRS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2003.2	TRS 1 BG	beige	100		PA 6.6 V2	RK 2,5-4|RK 6-10|RK 16|KBL 2,5-4|KBL 6-10 |PTK
2566.2	TRS 3 BG	beige	100		PA 6.6 V2	RK 1,5-4/15|KBL 1,5-4/15|RK 2,5|KBL 2,5|RK 1,5-4|KBL 1,5-4 RKD 2,5|KBLD 2,5|RKD 4|KBLD 4|DLIS 2,5|DLI 2,5

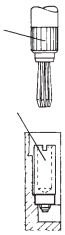
Connecting sleeves VBS
Connecting sleeves for coupling two or three hinged levers from the fuse-disconnect terminals **STK 2** and **SIK 10** or **SIK 10 Z** and **STKD1**. The **VBS** plastic sleeves are pushed on to the sides of the hinged lever. They form a mechanical connection to two-pole or three-pole units. This makes it possible to simultaneously disconnect multi-pole circuits.

Connecting sleeve VBS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2873.3	VBS 2/10 OG	orange	100	16 mm	PA 6.6 V2	SIK 10 | STK 2 / STKD1
2874.3	VBS 3/10 OG	orange	100	24 mm	PA 6.6 V3	SIK 10 | STK 2 / STKD1
2875.3	VBS 2/10/Z OG	orange	100	20 mm	PA 6.6 V4	SIK 10/Z
2876.3	VBS 3/10/Z OG	orange	100	30 mm	PA 6.6 V5	SIK 10/Z



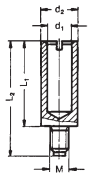
The **PS 2.3** and **PS 4** test plugs can be used with screw-connection terminals in cross-sections ranges 2.5 mm² to 10 mm². They allow you to connect to socket plugs and measure directly on the busbar of the corresponding terminal. In contrast to the **TA** test adapters, the **PS** test plugs do not mechanically lock with the terminal. The **ZS 2.3/4** adapter plug permits the conversion of a 4-mm Ø plug to a 2.3-mm Ø socket plug.

Test plug PS	PS 2.3	PS 4	ZS 2.3/4
			
Type			
Type/colour	PS 2.3	PS 4	ZS 2.3/4
Cat. no.	**2007.0**	**2051.0**	**2052.0**
	Qty. 20	Qty. 20	Qty. 10
When combined with socket plug			
	2075.0 STB 8.5/2.3		**2075.0** STB 8.5/2.3
	2006.0 STB 14/2.3	**2050.0** STB 14/4	**2006.0** STB 14/2.3
	2373.0 STB 6	**2127.0** STB 16/4	**2373.0** STB 6
	2374.0 STB 7		**2374.0** STB 7

Socket plugs STB

The **STB** socket plug are attached to the busbar or screwed onto the terminals in place of a terminal screw.
They are used for holding the **PS** test plugs.

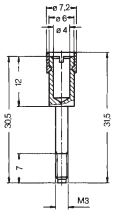
Socket plug STB



STB

Cat. no.	Type	Qty.	L1	L2	L3	L4	d1	d2	d3	M
2075.0	STB 8.5/2.3	50	8.5	11.5			2.3	4		2.5
2006.0	STB 14/2.3	50	14	17.5			2.3	5		3
2050.0	STB 14/4	50	14	19			4	6		3
2127.0	STB 16/4	50	16	23			4	7		4
2373.0	STB 6	50	6	11.5			2.3	4		3
2374.0	STB 7	100	7	14.5			2.3	4		3

Socket plug STB 30.5



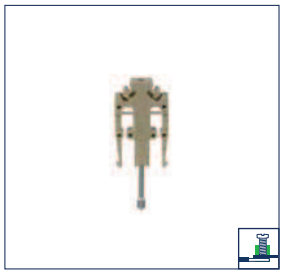
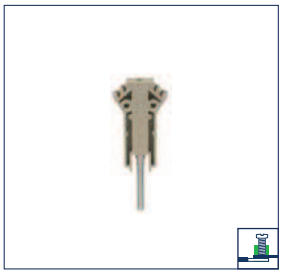
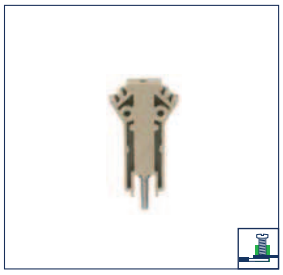
STB 30.5

Cat. no.	Type	Qty.	L1	L2	L3	L4	d1	d2	d3	M
2512.0	STB 30.5 BK	50	30.5	7	12	31.5	4	6	7.2	3
2513.0	STB 30.5 GR	50	30.5	7	12	31.5	4	6	7.2	3
2514.0	STB 30.5 BU	50	30.5	7	12	31.5	4	6	7.2	3
2515.0	STB 30.5 RD	50	30.5	7	12	31.5	4	6	7.2	3
2516.0	STB 30.5 GN	50	30.5	7	12	31.5	4	6	7.2	3
2517.0	STB 30.5 YE	50	30.5	7	12	31.5	4	6	7.2	3
2518.0	STB 30.5 VT	50	30.5	7	12	31.5	4	6	7.2	3

Test adapter TA/TAD

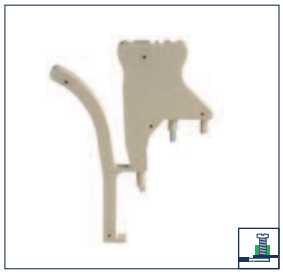
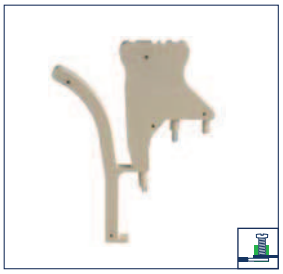
Test adapter TA

The **TA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner. Wires with cross-sections ranging from 0.5 mm² to 1.0 mm² can be crimped or soldered to the spring-loaded tracer pins. Depending on the version, the test adapters establish contact with the screw head, the cross-connection or the busbar. The test adapter sets consist of a housing, spring and tracer pin.

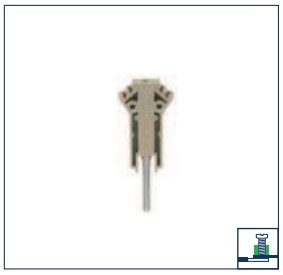
	TA 5/1N/Q	TA 5/1/ST	TA 5/1/Q
			
	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side
Type			
Type/colour	TA 5/1N/Q	TA 5/1/ST	TA 5/1/Q
Cat. no.	**2811.0**	**2812.0**	**2823.0**
Qty.	10	10	10
Ratings			
Pitch, mm	5	5	5
Additional height for each terminal block, mm	23	35,5	35,5
Length, mm	31	37,3	37,3
Connection data			
Finely stranded, mm²	0.5 - 1	0.5 - 1	0.5 - 1
Stripping length, mm	5	5	5
Accessories			
Type/colour	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7**	**4600.7**	**4600.7**
Page	339	339	339
Qty.	500	500	500
For terminal			
Remarks	RK 2,5/35N/2Q	RK 2,5	RK 2,5 With cross-connection Q

Test adapter TAD

An end plate is also included with the **TAD** versions. All of the test adapters can be labelled using the **PMC** quick marking system.

	TAD 5/1-S	TAD 6/1-S	
			
	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	
Type			
Type/colour	TAD 5/1/S	TAD 6/1/S	
Cat. no.	**2821.0**	**2822.0**	
Qty.	10	10	
Ratings			
Pitch, mm	5.1	6.1	
Additional height for each terminal block, mm	0.13 - 0.2	0.25 - 0.5	
Length, mm	77.7	77.7	
Connection data			
Finely stranded, mm²	0.5 - 1	0.5 - 1	
Stripping length, mm	5	5	
Accessories			
Type/colour	PMC SB 5/50 WH	PMC SB 6/50 WH	
Cat. no.	**4600.7**	**4702.7**	
Page	339	340	
Qty.	500	500	
For terminal			
Remarks	RKD 2,5	RKD 4	

TA 6/1/ST



Test adapter, can be mounted side-by-side

Qty.

TA 6/1/ST
2813.0 10

6
35.5
37.3

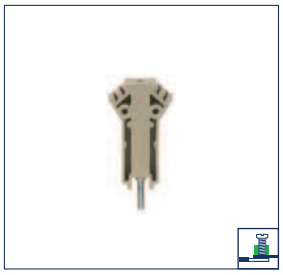
0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 2,5 - 4

TA 6/1/Q



Test adapter, can be mounted side-by-side

Qty.

TA 6/1/Q
2824.0 10

6
35.5
37.3

0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 2,5 - 4 With cross-connection Q

TA 8/1/ST

Test adapter, can be mounted side-by-side

Qty.

TA 8/1/ST
2817.0 10

8
35.5
37.3

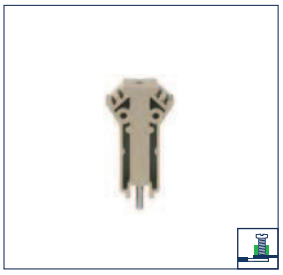
0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 6 - 10

TA 8/1/Q



Test adapter, can be mounted side-by-side

Qty.

TA 8/1/Q
2837.0 10

8
35.5
37.3

0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 6 - 10 With cross-connection Q

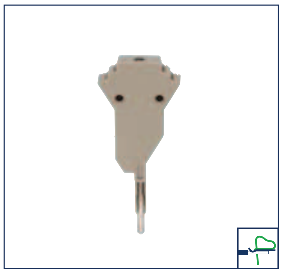
Test adapter ZTA | Reducing sleeve ZRH

Test adapter ZTA

The **ZTA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal block strips in a quick and safe manner.

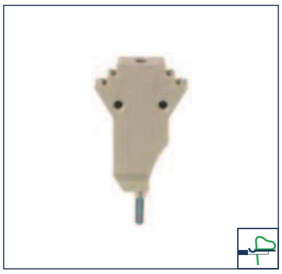
Wire cross-sections ranging from 0.5 mm² to 1.0 mm² can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.

ZTA 1,5



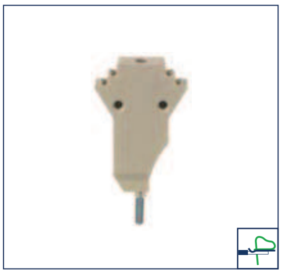
Test adapter, can be mounted side-by-side

ZTA 2.5



Test adapter, can be mounted side-by-side

ZTA 4



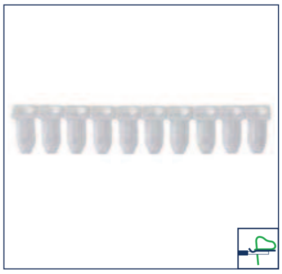
Test adapter, can be mounted side-by-side

Type	ZTA 1,5	Qty.	ZTA 2.5	Qty.	ZTA 4	Qty.
Type/colour	ZTA 1,5		ZTA 2,5		ZTA 4	
Cat. no.	**17034.2**	10	**3740.2**	10	**3741.2**	10
Ratings						
Pitch, mm	5.1		5.1		6.1	
Additional height for each terminal block, mm	31		31		31	
Length, mm	32.3		32,3		32.3	
Connection data						
Finely stranded, mm²	0.5 - 1		0.5 - 1		0.5 - 1	
Stripping length, mm	5		5		5	
Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Type/colour	PMC SB 5/50 WH		PMC SB 5/50 WH		PMC SB 6/50 WH	
Cat. no.	**4600.7** 339	500	**4600.7** 339	500	**4702.7** 340	500
For terminal	Remarks		Remarks		Remarks	
	ZIZA 1.5...		ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5...		ZRK 4... ZSL 4...	

Reducing sleeves ZRH

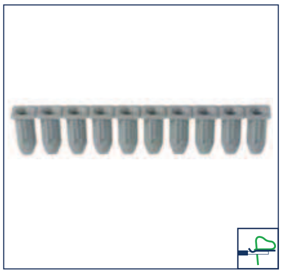
CONTA-CLIP offers reducing sleeves for cross-sections of 2.5 mm² and 4 mm². This ensures that small wires are properly positioned in their terminal points without any splicing off of individual strands. A professional and proper contact in ensured when the reducing sleeves are attached prior to the connection.

ZRH 2,5



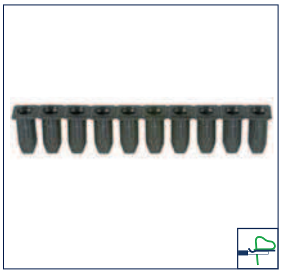
for wires from 0.13 - 0.2 mm²

ZRH 2,5



for wires from 0.25 - 0.5 mm²

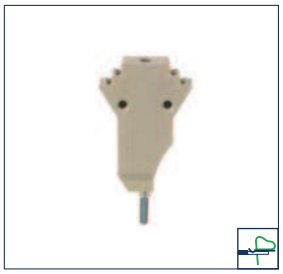
ZRH 2,5



for wires from 0.75 - 1.0 mm²

Type	ZRH 2,5	Qty.	ZRH 2,5	Qty.	ZRH 2,5	Qty.
Type/colour	ZRH 2,5/0,13-0,2 WH		ZRH 2,5/0,25-0.5 GR		ZRH 2.5/0,75-1,0 BK	
Cat. no.	**3750.7**	1000	**3751.6**	1000	**3752.4**	1000
Ratings						
Pitch, mm	5.1		5.1		5.1	
Cross-section range, mm²	0.13 - 0.2		0.25 - 0.5		0.75 - 1	
Connection data						
Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Type/colour						
Cat. no.						
For terminal	Remarks		Remarks		Remarks	
	ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...		ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...		ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...	

ZTA 6



Test adapter, can be mounted side-by-side

Qty.

ZTA 6
3772.2 10

8.1
31
32.3

0.5 - 1
5

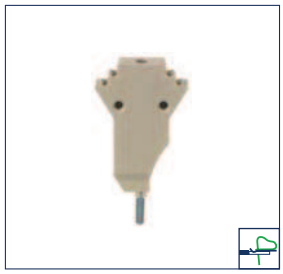
Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 6...
ZSL 6...

ZTA 10



Test adapter, can be mounted side-by-side

Qty.

ZTA 10
3790.2 10

10.1
31
32.3

0.5 - 1
5

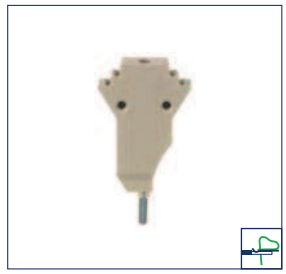
Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 10...
ZSL 10...

ZTA 16



Test adapter, can be mounted side-by-side

Qty.

ZTA 16
3810.2 10

12
31
32.3

0.5 - 1
5

Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 16...
ZSL 16...

Test plug PS

The **PS 2.3** test plugs allow you to make a direct measurement on the test point of the corresponding terminal when working with tension-spring terminals with cross-sections ranging from 2.5 and 4.0 mm².
In contrast to the **ZTA**, the **PS test plug** does not snap in mechanically with the terminal.

PS 2.3

Test plug

Qty.

PS 2.3
2007.0 20

5.2
22
32

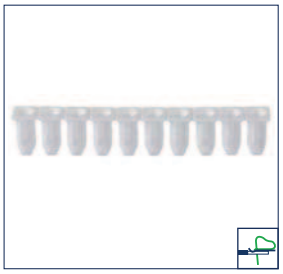
0.5 - 1
5

Page Qty.

Remarks

ZSRK 2,5...
ZSLN 2,5...
ZRK 2,5...
ZSL 2,5...
ZRKD 2,5...
ZSLD 2,5...
ZIKD 2,5...
ZTRK 2,5...
ZVMAK 2,5...
ZIZA 1.5...
ZRK 4...
ZSL 4...

ZRH 4



for wires from 0.13 - 0.2 mm²

Qty.

ZRH 4/0,13-0,2 WH
3753.7 100

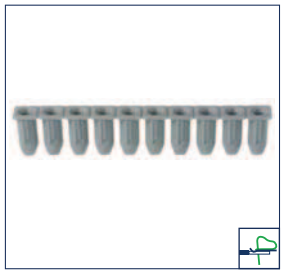
6.1
0.13 - 0.2

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZRH 4



for wires from 0.25 - 0.5 mm²

Qty.

ZRH 4/0,25-0.5 GR
3754.6 1000

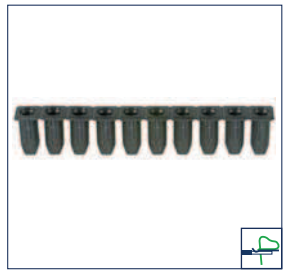
6.1
0.25 - 0.5

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZRH 4



for wires from 0.75 - 1.0 mm²

Qty.

ZRH 4/0,75-1,0 BK
3755.4 1000

6.1
0.75 - 1.0

Page Qty.

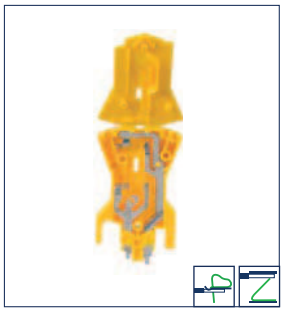
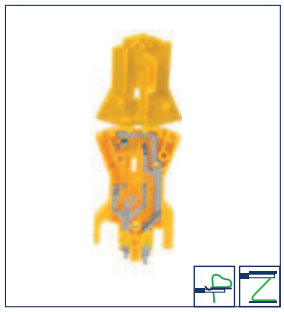
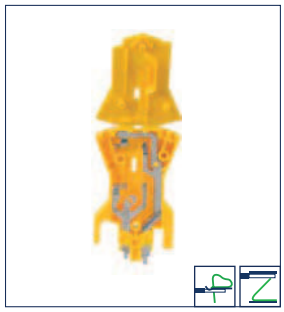
Remarks

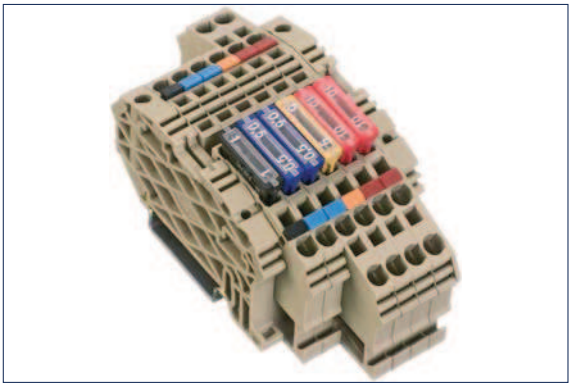
ZRK 4...
ZSL 4...

Fuse holder ZS

Fuse holder ZS/.../.../ZTRK

The pluggable **ZS/.../.../ZTRK** fuse holders are available as versions with or without a status display. When combined with the **FTRK 2,5** and **ZTRK 2,5** base terminals, they provide great flexibility and simple handling.

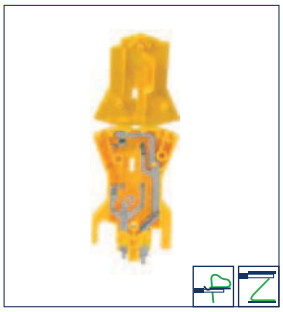
	ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
			
	Fuse holders without status display	Fuse holders 10-36 V with status display	Fuse holders 35-70 V with status display
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
Cat. no.	**3635.2** 20	**3631.2** 20	**3632.2** 20
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available			
Ratings			
Pitch, mm	5.1	5.1	5.1
Rated voltage, V	0 - 400	10 - 36	35 - 70
Rated current, A	6.3	6.3	6.3
Residual current via LED, mA	-	<5	<5
Max. power loss on fuse, mA	1.6	1.6	1.6
Connection data			
Fuse size	5 x 20	5 x 20	5 x 20
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZTRK 2,5... FTRK 2,5...	ZTRK 2,5... FTRK 2,5...	ZTRK 2,5... FTRK 2,5...



Coding on fuses

Cat. no.	Type	Colour	Qty.	For terminal
3170.5	CS 0.5 A BU	blue	100	ZTRK 2,5/...OT
3170.4	CS 1 A BK	black	100	ZTRK 2,5/...OT
3170.3	CS 2 A GR	grey	100	ZTRK 2,5/...OT
3170.0	CS 3 A VT	violet	100	ZTRK 2,5/...OT
3170.7	CS 4 A PI	pink	100	ZTRK 2,5/...OT
3170.2	CS 5 A LB	bright	100	ZTRK 2,5/...OT
3170.6	CS 7.5 A BN	brown	100	ZTRK 2,5/...OT
3170.9	CS 10 A RD	brown	100	ZTRK 2,5/...OT
3170.8	CS 20 A YE	red	100	ZTRK 2,5/...OT
3170.1	CS 15 A CY	yellow	100	ZTRK 2,5/...OT

ZS/H3/ZTR/150



Fuse holders
60-150 V with status display

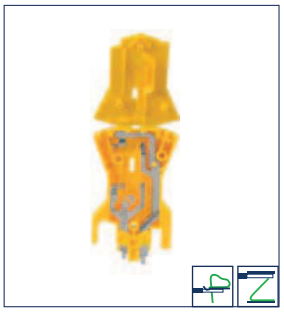
Qty.	
ZS/H3/ZTR/150	
3633.2	20

5.1	
60 - 150	
6.3	
<5	
1.6	
5 x 20	

Page	Qty.	
PMC SB 5/50 WH		
4600.7	339	500

Remarks
ZTRK 2,5... FTRK 2,5...

ZS/H4/ZTR/250



Fuse holders
140-250 V with status display

Qty.	
ZS/H4/ZTR/250	
3634.2	20

5.1	
140 - 250	
6.3	
<5	
1.6	
5 x 20	

Page	Qty.	
PMC SB 5/50 WH		
4600.7	339	500

Remarks
ZTRK 2,5... FTRK 2,5...

Disconnect plug

The established disconnect-plug system has a high-quality surfaces and thus minimal contact resistance. This ensures precise, unbiased measurement readings. A variety of components can be soldered into an unpopulated test plug.

ZDS.../ZTR

Disconnect plug

Qty.	
ZDS 1/ZTR	
3612.2	20
Disconnect-plug with wire jumper	
ZDS 2/ZTR	
3613.2	20
Disconnect plug with diode	
ZDS 3/ZTR	
3614.2	20
Disconnect plug with diode	
ZDS 4/ZTR	
3615.2	20
Unpopulated disconnect plug	

5.1	
400	
15	
Soldered diode 1N4007 Reverse voltage 1000V / Current 1A	

Page	Qty.	
PMC SB 5/50 WH		
4600.7	339	500

Remarks
ZTRK 2,5... FTRK 2,5...

DS

Disconnect plug

Qty.	
DS 1/TRK 1,5 YE	
1400.2	1
Disconnect-plug with wire jumper	
DS 2/TRK 1,5 YE	
1401.2	1
Disconnect plug with diode	
DS 3/TRK 1,5 YE	
1402.2	1
Disconnect plug with diode	
DS 4/TRK 1,5 YE	
1403.2	1
Unpopulated disconnect plug	

6	
400	
15	
Soldered diode 1N4007 Reverse voltage 1000V / Current 1A	

Page	Qty.	
PMC SB 6/50 WH		
4702.7	340	500

Remarks
TRK 1,5...

SI fuses

Micro-fuses/G-fuse cartridges 5 x 20 metric 250 V / slow-acting

Construction:
- Transparent glass tube
- Nickel-plated brass contact caps
- IEC 60127-2/2
- EN 60127-2/2
- DIN VDE 0820-2/2

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	2 min.	200 ms	10 s	40 ms	3 s	10 ms	300 s
125 mA - 10 A	1 h	2 min.	600 ms	10 s	150 ms	3 s	20 ms	300 s

Type	Cat. no.	Rated current, mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss, W	Melting integral A^2s	Qty.
SI 5x20 0.032 A	**2912.0**	32 mA	35 'L'	3000	0.2	0.010	10
SI 5x20 0.040 A	**2913.0**	40 mA	35 'L'	2000	0.2	0.020	10
SI 5x20 0.050 A	**2914.0**	50 mA	35 'L'	1500	0.2	0.035	10
SI 5x20 0.063 A	**2915.0**	63 mA	35 'L'	1000	0.2	0.05	10
SI 5x20 0.080 A	**2916.0**	80 mA	35 'L'	800	0.2	0.12	10
SI 5x20 0.100 A	**2917.0**	100 mA	35 'L'	700	0.3	0.16	10
SI 5x20 0.125 A	**2918.0**	125 mA	35 'L'	600	0.3	0.24	10
SI 5x20 0.160 A	**2919.0**	160 mA	35 'L'	600	0.3	0.4	10
SI 5x20 0.200 A	**2920.0**	200 mA	35 'L'	500	0.3	0.7	10
SI 5x20 0.250 A	**2921.0**	250 mA	35 'L'	400	0.2	1.4	10
SI 5x20 0.315 A	**2922.0**	315 mA	35 'L'	140	0.2	0.35	10
SI 5x20 0.400 A	**2923.0**	400 mA	35 'L'	130	0.2	0.49	10
SI 5x20 0.500 A	**2924.0**	500 mA	35 'L'	120	0.2	0.9	10
SI 5x20 0.630 A	**2925.0**	630 mA	35 'L'	110	0.2	1.4	10
SI 5x20 0.800 A	**2926.0**	800 mA	35 'L'	100	0.3	3.2	10
SI 5x20 1.000 A	**2927.0**	1 A	35 'L'	90	0.3	6.5	10
SI 5x20 1.250 A	**2928.0**	1.25 A	35 'L'	80	0.3	5.0	10
SI 5x20 1.600 A	**2929.0**	1.6 A	35 'L'	80	0.4	10	10
SI 5x20 2.000 A	**2930.0**	2 A	35 'L'	80	0.5	20	10
SI 5x20 2.500 A	**2931.0**	2.5 A	35 'L'	80	0.6	26	10
SI 5x20 3.150 A	**2932.0**	3.15 A	35 'L'	80	0.6	44	10
SI 5x20 4.000 A	**2933.0**	4 A	40 'L'	80	0.8	72	10
SI 5x20 5.000 A	**2934.0**	5 A	50 'L'	80	1.2	130	10
SI 5x20 6.300 A	**2935.0**	6.3 A	63 'L'	70	1.3	230	10
SI 5x20 8.000 A	**2936.0**	8 A	80 'L'	70	1.8	240	10
SI 5x20 10.00 A	**2937.0**	10 A	100 'L'	70	2.4	380	10

Micro-fuses/G-fuse cartridges 5 x 20 metric 250 V / fast-acting

Construction:
- Transparent glass tube
- Nickel-plated brass contact caps
- IEC 60127-2/2
- EN 60127-2/2
- DIN VDE 0820-2/2

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	30 min.	10 ms	500 ms	3 ms	100 ms	-	300 s
125mA - 10 A	1 h	30 min.	50 ms	2 s	10 ms	300 ms	-	300 s
8-10 A	1h	30 min.	50 ms	2 s	10 ms	400 ms	-	300 s

Type	Cat. no.	Rated current, mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss, W	Melting integral A^2s	Qty.
SI 5x20 0,032 A	**2891.0**	32 mA	35 'L'	10000	0.8	0.0001	10
SI 5x20 0,040 A	**2892.0**	40 mA	35 'L'	8000	0.8	0.0002	10
SI 5x20 0,050 A	**2893.0**	50 mA	35 'L'	3500	0.4	0.0004	10
SI 5x20 0,063 A	**2894.0**	63 mA	35 'L'	3500	0.5	0.0007	10
SI 5x20 0,080 A	**2895.0**	80 mA	35 'L'	2500	0.5	0.0017	10
SI 5x20 0,100 A	**2896.0**	100 mA	35 'L'	2200	0.6	0.0022	10
SI 5x20 0,125 A	**2897.0**	125 mA	35 'L'	350	0.2	0.01	10
SI 5x20 0,160 A	**2898.0**	160 mA	35 'L'	310	0.2	0.02	10
SI 5x20 0,200 A	**2899.0**	200 mA	35 'L'	290	0.2	0.037	10
SI 5x20 0,250 A	**2900.0**	250 mA	35 'L'	280	0.3	0.073	10
SI 5x20 0,315 A	**2901.0**	315 mA	35 'L'	230	0.3	0.16	10
SI 5x20 0,400 A	**2902.0**	400 mA	35 'L'	200	0.3	0.31	10
SI 5x20 0.500 A	**2903.0**	500 mA	35 'L'	160	0.3	0.16	10
SI 5x20 0,630 A	**2904.0**	630 mA	35 'L'	140	0.3	0.39	10
SI 5x20 0,800 A	**2905.0**	800 mA	35 'L'	130	0.4	0.8	10
SI 5x20 1,000 A	**2406.0**	1 A	35 'L'	130	0.5	1.5	10
SI 5x20 1,250 A	**2906.0**	1.25 A	35 'L'	120	0.6	2.0	10
SI 5x20 1,600 A	**2907.0**	1.6 A	35 'L'	120	0.7	4.1	10
SI 5x20 2,000 A	**2407.0**	2 A	35 'L'	120	0.9	6.2	10
SI 5x20 2,500 A	**2908.0**	2.5 A	35 'L'	120	1.0	11	10
SI 5x20 3,150 A	**2909.0**	3.15 A	35 'L'	120	1.2	20	10
SI 5x20 4,000 A	**2408.0**	4 A	40 'L'	100	1.4	25	10
SI 5x20 5,000 A	**2938.0**	5 A	50 'L'	100	1.7	42	10
SI 5x20 6,300 A	**2409.0**	6.3 A	63 'L'	100	2.0	79	10
SI 5x20 8,000 A	**2910.0**	8 A	80 'L'	100	2.2	125	10
SI 5x20 10,00 A	**2911.0**	10 A	100 'L'	100	2.4	220	10

Micro-fuses/G-fuse cartridges 6.3 x 32 imperial 250 V / 400 V /500 V / slow-acting

Construction:
- Ceramic tube
- Nickel-plated copper contact caps

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	30 min.	400 ms	80 s	95 ms	5 s	10 ms	300 s
125 mA - 10 A	1 h	30 min.	400 ms	80 s	150 ms	5 s	20 ms	300 s

Type	Cat. no.	Rated current. mA/A	Rated switch-off cap. A AC	Voltage drop, mV	Power loss W	Melting integral A^2s	Qty.
SI 6,3x32 0,100 A/32 T	**4950.0**	100 mA		3600	1.3	0.050	10
SI 6,3x32 0,125 A/32 T	**4951.0**	125 mA		3400	1.4	0.080	10
SI 6,3x32 0,160 A/32 T	**4952.0**	160 mA		3000	1.5	0.12	10
SI 6,3x32 0,200 A/32 T	**4953.0**	200 mA	1,5 kA	2500	1.60	0.20	10
SI 6,3x32 0,250 A/32 T	**4954.0**	250 mA		2000	1.7	0.35	10
SI 6,3x32 0,315 A/32 T	**4955.0**	315 mA	@ 500 V AC	1800	1.8	0.50	10
SI 6,3x32 0,400 A/32 T	**4956.0**	400 mA		1600	2.0	0.80	10
SI 6,3x32 0.500 A/32 T	**4957.0**	500 mA	cos φ = 1	450	0.6	0.35	10
SI 6,3x32 0,630 A/32 T	**4958.0**	630 mA		400	0.7	0.49	10
SI 6,3x32 0,800 A/32 T	**4959.0**	800 mA		350	0.80	0.9	10
SI 6,3x32 1,000 A/32 T	**4960.0**	1 A		350	0.9	1.4	10
SI 6,3x32 1,250 A/32 T	**4961.0**	1.25 A	10 kA @ 400 V AC	300	1.0	3.2	10
SI 6,3x32 1,600 A/32 T	**4962.0**	1.6 A		200	1.1	5.2	10
SI 6,3x32 2,000 A/32 T	**4963.0**	2 A	cos φ = 0.3	180	1.2	10	10
SI 6,3x32 2,500 A/32 T	**4964.0**	2.5 A		160	1.3	19	10
SI 6,3x32 3,150 A/32 T	**4965.0**	3.15 A		150	1.4	37	10
SI 6,3x32 4,000 A/32 T	**4966.0**	4 A		140	1.5	68.0	10
SI 6,3x32 5,000 A/32 T	**4967.0**	5 A		135	2.2	80	10
SI 6,3x32 6,300 A/32 T	**4968.0**	6.3 A		110	2.2	215	10
SI 6,3x32 8,000 A/32 T	**4969.0**	8 A		110	2.6	370	10
SI 6,3x32 10,000 A/32 T	**4970.0**	10 A		100	3.0	620	10

Micro-fuses/G-fuse cartridges 6.3 x 32 imperial 440 V / 500V / fast-acting

Construction:
- Ceramic tube
- Nickel-plated brass contact caps

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
160 - 800 mA	1 h	30 min.	20 ms	1.5 s	8 ms	400 ms	-	20 s
1 - 25 A	1 h	30 min.	100 ms	5 s	20 ms	1 s	-	50 s

When using these G-fuse cartridges with 6.3 A or higher, you must ensure that there is sufficient heat dissipation!

Type	Cat. no.	Rated current. mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss W	Melting integral A^2s	Qty.
SI 6,3x32 0,160 A/32 F	**4971.0**	160 mA		7000	2.5	0.0015	10
SI 6,3x32 0,200 A/32 F	**4972.0**	200 mA		6500	2.9	0.0035	10
SI 6,3x32 0,250 A/32 F	**4973.0**	250 mA		6000	3.4	0.0085	10
SI 6,3x32 0,315 A/32 F	**4974.0**	315 mA	1,5 kA	1000	0.90	0.036	10
SI 6,3x32 0,400 A/32 F	**4975.0**	400 mA	@ 500 V AC	900	1	0.07	10
SI 6,3x32 0.500 A/32 F	**4976.0**	500 mA	cos φ = 1	800	1.1	0.19	10
SI 6,3x32 0,630 A/32 F	**4977.0**	630 mA		700	1.3	0.35	10
SI 6,3x32 0,800 A/32 F	**4978.0**	800 mA		600	1.4	0.49	10
SI 6,3x32 1,000 A/32 F	**4979.0**	1 A		400	1.2	0.4	10
SI 6,3x32 1,250 A/32 F	**4980.0**	1.25 A	50 kA	300	1.30	0.8	10
SI 6,3x32 1,600 A/32 F	**4981.0**	1.6 A	@ 500 V AC	300	1.4	1.5	10
SI 6,3x32 2,000 A/32 F	**4982.0**	2 A	cos φ = 1	280	1.6	2.5	10
SI 6,3x32 2,500 A/32 F	**4983.0**	2.5 A		260	1.8	5	10
SI 6,3x32 3,150 A/32 F	**4984.0**	3.15 A		240	2.3	9	10
SI 6,3x32 4,000 A/32 F	**4985.0**	4 A	20 kA	220	2.6	18	10
SI 6,3x32 5,000 A/32 F	**4986.0**	5 A	@ 500 V AC	190	2.9	40	10
SI 6,3x32 6,300 A/32 F	**4987.0**	6.3 A		170	3.2	80	10
SI 6,3x32 8,000 A/32 F	**4988.0**	8 A	1,5 kA	160	3.7	150	10
SI 6,3x32 10,000 A/32 F	**4989.0**	10 A	@ 500 V AC	150	4.0	240	10

Motor vehicle fuses

Construction:
- Plastic body with 2 contact pins
- DIN 72581-3C
- Colour-coded amp values

Note:
- Spade fuses can only be run (the long-term load) with 80% of the fuse's rated current. Be sure to take the derating curve into consideration!
- The fuse may not be inserted or taken out while under load.
- You should use the largest wire section possible so that the thermal power loss of the fuse can be effectively discharged.
- Rated voltage 32 V DC

Type	Cat. no.	Colour code	Rated current	Voltage drop mV	Qty.
SI C 0.500 A/32V	**4990.0**	blue	0.5	300	100
SI C 1.000 A/32V	**4991.0**	black	1.0	130	100
SI C 2,000 A/32V	**4992.0**	grey	2.0	120	100
SI C 3,000 A/32V	**4993.0**	violet	3.0	100	100
SI C 4,000 A/32V	**4994.0**	pink	4.0	100	100
SI C 5,000 A/32V	**4995.0**	bright brown	5.0	120	100
SI C 7,500 A/32V	**4996.0**	brown	7.5	112	100
SI C 10,000 A/32V	**4997.0**	red	10	85	100
SI C 15,000 A/32V	**4998.0**	Cyan	15	85	100
SI C 20,000 A/32V	**4999.0**	yellow	20	80	100

Specific accessories, test-disconnect terminals PTK

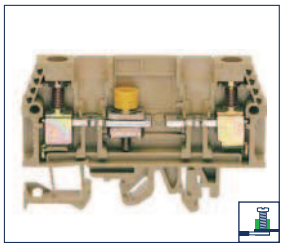
Test-disconnect terminals PTK

Test-disconnect terminals are mostly used in the sectors of electricity generation and supply.
They are tailored to the variety of switching demands for current-converter secondary circuits that predominate in these sectors.

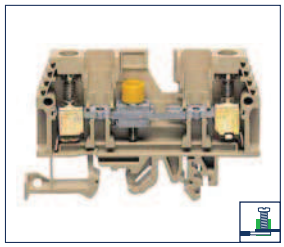
CONTA-CLIP test-disconnect terminals are available in the following three basic versions, each with or without pre-assembled STB socket plugs

All versions provide touch-safety protection in compliance with VBG 4. A captive sliding partition is used to separate the current and voltage paths. The current switch position is always easy to detect since the disconnect screw has a yellow insulating sleeve. Sockets plugs for a test tap can be attached to all versions using the **PS 4** test plug.

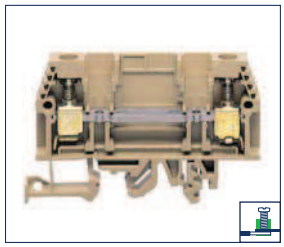
1130.2 PTK 10/LT
can be separated lengthwise



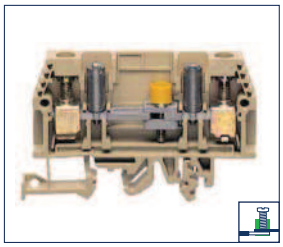
1132.2 PTK 10/QT
can be separated perpendicularly



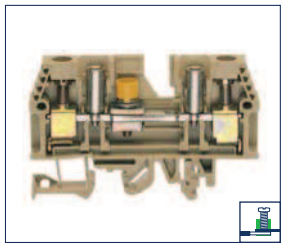
1134.2 PTK/10/DU
Feed-through terminal



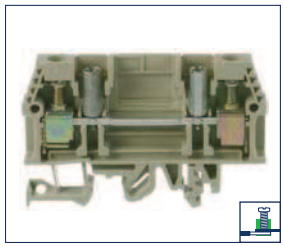
1131.2 PTK 10/LT/STB
can be separated lengthwise with STB



1133.2 PTK 10/QT/STB
can be separated perpendicularly with STB



1135.2 PTK 10/DU/STB
Feed-through terminal with STB



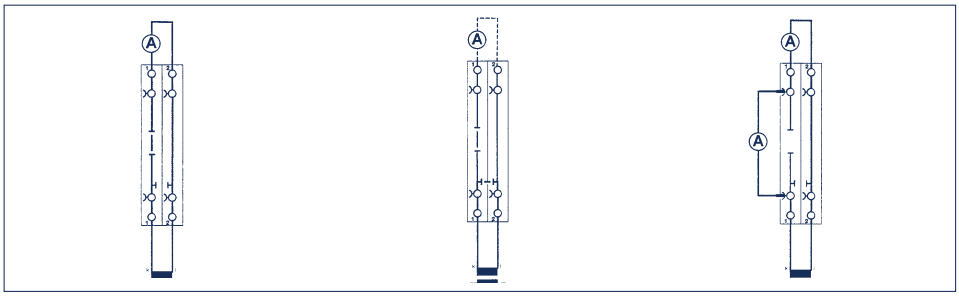
Examples of basic circuits using PTK disconnect terminals

Current transformers must always have a secondary circuit when electricity meters and measuring instruments are being replaced, or when making comparative measurements. Otherwise they could be destroyed by “ramping up”.

Measuring current using a current transformer | **Operations** | **Swapping the measuring device** | **Testing the measuring device**

Required products

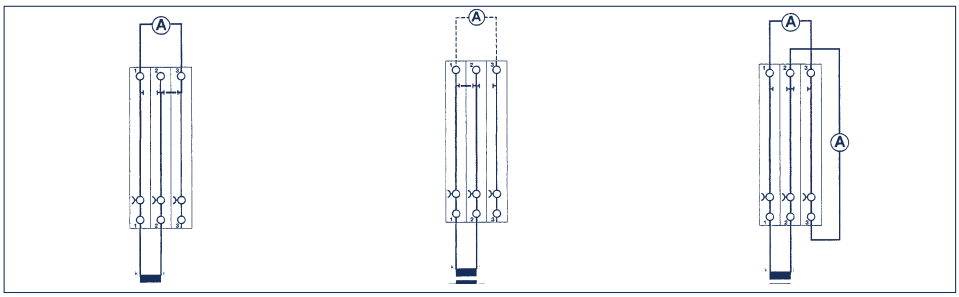
Type	Cat. no.	Quantity
PTK 10/LT	**1130.2**	1
PTK 10/DU	**1134.2**	1
AP/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	2
QVS 2	**2197.0**	1
VH 19	**2238.0**	2
STB 35	**2244.0**	2



Measuring current using a current transformer | **Operations** | **Swapping the measuring device** | **Testing the measuring device**

Required products

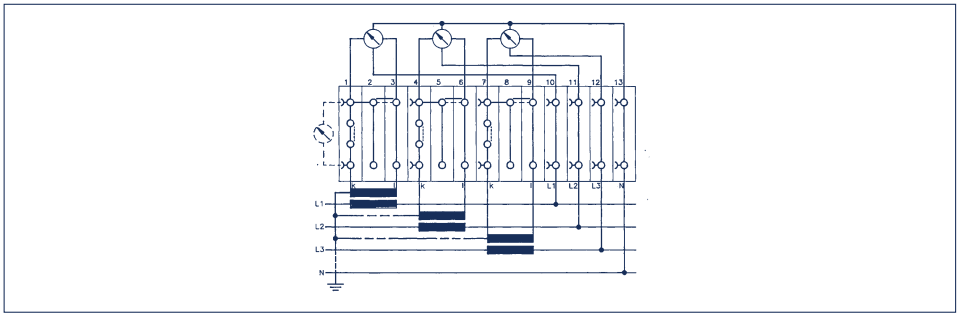
Type	Cat. no.	Quantity
PTK 10/QT	**1132.2**	3
AP/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	3
QSB 3	**2784.0**	1



PTK terminal block for three-phase metering: the PTK enables meter testing, comparative measurements, and replacement of individual meters

Required products

Type	Cat. no.	Quantity
PTK 10/LT	**1130.2**	3
PTK 10/QT	**1132.2**	6
PTK 10/DU	**1134.2**	4
AL/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	11
STB 30.5	**2512.0**	3
QS 2	**2055.0**	3
VH 12	**2059.0**	6
BS M 3x20	**2018.0**	3
QSB 2	**2783.0**	3



Cross-switches

The **VH 19** connecting sleeves and the **BS 25** screws or the **STB 35** socket plugs are required for fastening the **QVS** cross-switch bridge. The screws and socket plugs are available with or without coloured labelling. When opened, the **QVS** slider and the screws for the wire connection are not accessible. Thus it is not possible to accidentally unclamp the measuring instrument.

Cross-switches	QI	QSB	QVS	VH 19
				
	Insulated cross-connector	Internal cross-switch bridge	Cross-switch bridge	Connecting sleeve
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	QI 2 YE	QSB 2	QVS 2	VH 19
Cat. no.	**2750.2** 50	**2783.0** 20	**2197.0** 20	**2238.0** 50
Type	QI 3 YE	QSB 3	QVS 3	
Cat. no.	**2751.2** 50	**2784.0** 20	**2198.0** 20	
Type	QI 4 YE	QSB 4	QVS 4	
Cat. no.	**2752.2** 50	**2785.0** 20	**2199.0** 20	
Type	QI 10 YE			
Cat. no.	**2753.2** 10			

Socket plugs

The **STB 35** socket plugs are used in the test-disconnect terminals for holding the **PS 4** test plug or the **KSS 2-8** short-circuit plug. The **STB 35** socket plugs can also be used when you need to test at the same time that a **QVS** is attached. The **STB 14/4** socket plugs can be screwed into the cross-connection channel. The are used to hold the **PS 4** test plugs or the **KSS 2-8** short-circuit plugs.

Socket plugs	STB 35	STB 14/4	BS25	BS25
				
	Socket plug	Socket plug	Mounting screw	Mounting screw
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	STB 35 YE	STB 14/4	BS 25 YE	BS 25 without cap
Cat. no.	**2244.0** 50	**2050.0** 50	**2241.0** 50	**2240.0** 50
Type	STB 35 GN		BS 25 GN	
Cat. no.	**2245.0** 50		**2242.0** 50	
Type	STB 35 VT		BS 25 VT	
Cat. no.	**2249.0** 50		**2243.0** 50	
Type				
Cat. no.				

Test plugs / Short-circuit plugs

The **PS 4** test plugs are used for the final testing of already-wired test circuits. A cross-connection between two **PTK** terminals can be established with the **KSS 2-8** short-circuit plug.

Test plugs	PS 4	KSS 2-8		
				
	Test plug	Short-circuit plug		
Type	**Qty.**	**Qty.**		
Type	PS 4	KSS 2-8		
Cat. no.	**2051.0** 20	**2886.0** 10		
Type				
Cat. no.				
Type				
Cat. no.				

Actuating tools BWMA/BW

Actuating tool BWMA/BW	BWMA 1 (0.5 x 2.5)	BWMA 1 (0.5 x 3.5)	BW...(ZRK)
The spring terminals with 2.5-mm² cross-section can be operated using the **BW 1** to **BW 10** tools and the **BWMA** metallic tool. The special **BW** tools allow you to open multiple terminal points simultaneously. The plastic actuating tool features improved safety when working on running facility sections.			
	Metal actuating tool	Metal actuating tool	Plastic actuating tool
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	BWMA 1 (0.5x2.5)	BWMA 1 (0.5x3.5)	BW 1 (ZRK)
Cat. no.	**3841.0** 1	**3808.0** 1	**3778.0** 1 poles 1
Type/colour			BW 2 (ZRK)
Cat. no.			**3779.0** 2 poles 1
Type/colour			BW 3 (ZRK)
Cat. no.			**3780.0** 3 poles 1
Type/colour			BW 4 (ZRK)
Cat. no.			**3781.0** 4 poles 1
Type/colour			BW 5 (ZRK)
Cat. no.			**3782.0** 5 poles 1
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available			
Ratings			
Blade size, mm	0.5	0.5	-
Blade width, mm	2.5	3.5	3.0
Blade length, mm	85	85	22.5
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 2,5... FDLIS 2,5-4	ZSRK 2,5... ZSLN 2,5...	ZSRK 2,5... ZSLN 2,5...
		ZRK 2,5... ZSL 2,5...	ZRK 2,5... ZSL 2,5...
		ZRKD 2,5... ZSLD 2,5...	ZRKD 2,5... ZSLD 2,5...
		ZIKD 2,5... ZTRK 2,5...	ZIKD 2,5... ZTRK 2,5...
		ZVMAK 2,5... ZIZA 1,5...	ZVMAK 2,5... ZIZA 1,5...
		ZRK 4... ZSL 4...	

BW...(ZRK)	BW...(FRK)	BW...(FRK)		
				
Plastic actuating tool	Metal actuating tool	Metal actuating tool		
Qty.	**Qty.**	**Qty.**		
BW 6 (ZRK) **3802.0** 6 poles 1	BW 1 (FRK) **3831.0** 1 poles 1	BW 6 (FRK) **3836.0** 6 poles 1		
BW 7 (ZRK) **3803.0** 7 poles 1	BW 2 (FRK) **3832.0** 2 poles 1	BW 7 (FRK) **3837.0** 7 poles 1		
BW 8 (ZRK) **3804.0** 8 poles 1	BW 3 (FRK) **3833.0** 3 poles 1	BW 8 (FRK) **3838.0** 8 poles 1		
BW 9 (ZRK) **3805.0** 9 poles 1	BW 4 (FRK) **3834.0** 4 poles 1	BW 9 (FRK) **3839.0** 9 poles 1		
BW 10 (ZRK) **3806.0** 10 poles 1	BW 5 (FRK) **3835.0** 5 poles 1	BW 10 (FRK) **3840.0** 10 poles 1		
-	-	-		
3.0	2.8	2.8		
22.5	18	18		
Page Qty.	**Page Qty.**	**Page Qty.**		
Remarks	**Remarks**	**Remarks**		
ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...	FRK 2,5... FSL 2 FTRK 2,5... FRKD 2,5...	FRK 2,5... FSL 2 FTRK 2,5... FRKD 2,5...		

CE electrical cabinet socket outlet STD-TS|LED

CE electrical cabinet socket outlet STD-TS / LED

The **STD-TS / LED** electrical cabinet socket outlet can be quickly and conveniently snapped onto a standard TS35 rail using its solid metal foot. This results in significantly reduced assembly work and installation costs! The electrical connection uses an integral screw terminal and then offers a secure pluggable electrical connection for programming devices, service devices or mounting tools. A LED voltage display has also been integrated into the design.

STD-TS / LED

Circuit diagram

- Foot base can be snapped on TS 35 DIN rail
- Metal locking clip
- Screw connection
- Voltage displayed with green LED
- Housing made from polyamide 6.6 UL 94-V0

Connection type	**Screw connection**		
Size (L x W x H) with TS 35 x 7.5 mm	75 x 45 x 67		
Weight	93 g		
Type	**Qty.**		
Type Colour	STD-TS / LED (GN) GR		
Cat. no.	**3196.2** 5		
General specifications			
Rated voltage U_N	250 V AC		
Rated current I_N	16 A AC		
Indicators	LED green with series resistor		
Colour	grey RAL 7032		
Holding clamp	Metal		
Insulation material	PA 6.6 UL 94-V0		
Ambient temperature (operating)	-20 to +60 °C		
Ambient temperature (during storage/transport)	-20 to +60 °C		
Standards / Specifications	Directive 2006/95/EG		
	DIN 49440-1		
	DIN VDE 0620-1 : 2010-02		
Approvals	**VDE**		
Connection data			
Solid wire cross-section, mm²	0.2 - 4		
Stranded wire cross-section, mm²	0.2 - 2.5		
Stranded wire with ferrules cross-section, mm²	0.2 - 2.5		
Wire cross-section, AWG	24 - 12		
Stripping length, mm	8		
Screw threading	M3		
Torque Nm	0.5 – 1		

Accessories	**Page**	**Qty.**
Markers	MC GS 8/17 R/WH	
Cat. no.	**3321.7** 390	200