**CONTA-CONNECT** 

**Product Information** 

# Safe connections for transformer construction



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## CONTA-CLIP: Because progress needs an impulse

Since 1978, CONTA-CLIP has stood for electrical and electronic connection technology and for reliable products: For over 40 years, our components and solutions have been used in process and industrial automation applications, including: railway technology, materials handling, building automation, air conditioning, mechanical and facility engineering, measurement and control technology, control panel construction, shipbuilding, transformer construction and environmental technology.

As an owner-operated medium-sized company, CONTA-CLIP is today one of the most important manufacturers in this sector - an innovator with global market and industry expertise.

Based on communication among equals, our employees develop solutions for your specific requirements and industry, and we have also designed our range of services to align with customer needs. This results in first-class products where quality has the highest priority.

We design customer-specific solutions for electronics, provide completely assembled housings and assemblies as needed, assemble terminal block assemblies for series production, take over the labelling of components - and all of this in the shortest possible time

Our products are divided into six categories: CONTA-CONNECT for terminal blocks and accessories, CONTA-CABLE cable management systems, CONTA-ELECTRONICS for electrical and electronic electrical cabinet components, CONTA-LABEL for marking systems, CONTA-BOX for housings, and CONTA-CON for PCB terminal blocks and connectors.

And last but not least, your personal CONTA-CLIP contact persons are always available to answer any questions you may have: we look forward to getting in touch with you.

## Digitally on the move: The online catalogue is there

Find the right product using the search function, the order number or the "step-bystep-search" search feature. After selecting a product, all product master data, i.e. commercial data, technical data, drawings, connection diagrams, classifications and approvals are available to you as a data sheet or export file. You can send detailed inquiries about components via the shopping cart directly to our headquarters. Complex functionalities are explained clearly in our application films.

Would you prefer to get information offline? You can request all our catalogues in print form here free of charge.

Always stay up-to-date with our newsletter: Simply register and you will be informed about all CONTA-CLIP news.



## Active worldwide: Here we are present

CONTA-CLIP stands for the best connection technology and reliable products - worldwide. Our worldwide sales and distribution partners help us to be globally networked and provide on-time reliable deliveries.

Are you working abroad? You can find the sales partner responsible for your country via our website.





#### Our locations in Africa Algeria Morocco South Africa

**Our locations in Asia** Bahrain China Hong Kong India Israel Japan Jordan Malaysia Oman Pakistan Qatar Saudi Arabia Singapore South Korea Taiwan Turkey United Arab Emirates

#### **Our locations in Oceania** Australia New Zealand

#### **Our locations in Europe**

Austria **Belarus** Belgium Bulgaria Croatia **Czech Republic** Denmark Finland France Germany Great Britain Greece Hungary Iceland Ireland Italy Latvia Netherlands Norway

Poland Portugal Romania Serbia Slovakia Slovenia Spain Sweden Switzerland Ukraine

#### **Our locations in North America**

Canada Mexico United States

#### **Our locations in South America**

Bolivia Brazil Chile Columbia Ecuador

## Our catalogue system

01





#### CONTA-CONNECT

#### Terminal blocks with Push-in connection system

Our wide range of innovative PRK and FRK terminal blocks with the Push-in connection system include feed-through terminals, PE terminals, disconnect terminals, fused terminals, multi-level terminals, installation terminals and initiator terminals, for conductor cross-sections from 0.2 mm<sup>2</sup> to 25 mm<sup>2</sup>. **Cat. no. 98070.2** 





#### 02 CONTA-CONNECT Terminal blocks wit

Terminal blocks with screw connection system and special purpose terminals

Everything for classic wiring with screw connection system, also for high currents: SRK feed-through and PE terminals, RK high-temperature variants, TK transformer terminals, HSK high-power stud terminals and the SVB series screw distributor blocks.

Cat. no. 98071.2



## COTA-COURT Brains in Capital cancel and a second se

**CONTACLIP** 

#### 03 CONTA-CONNECT

#### Terminal blocks with tension-spring connection system

Our versatile line of terminals with tension spring connections for conductor cross-sections from 0.2 mm<sup>2</sup> to 16 mm<sup>2</sup> includes: the ZRK/ZSL series of feed-through and PE terminals, the double-level ZRKD/ZSLD, the ZIKD three-level terminal blocks, motor-connection terminals, (blade-) disconnect terminals, fused terminals, direct-mount terminals, and initiator/actuator terminals for transmitting positioning, encoder and alert signals. **Cat. no. 98072.2** 





#### 04 CONTA-CONNECT

Installation materials and other accessories for terminal blocks Our installation products include cabling ducts, assembly tools, cable glands with metric or PG threads, DIN rails, rail cutters and punching tools. The terminal block accessories include different versions of end stops, wire-end ferrules, and connectors.

Cat. no. 98073.2





#### CONTA-LABEL

Marking components for thermal-transfer marking systems CONTA-CLIP provides the TTPCard thermal-transfer printer and a large selection of PC, PVC and PVCF markers or labels in card format: for professional, permanent labelling of terminals, devices, conductors, cables, facilities and electrical cabinets. Cat. no. 98074.2

Our catalogues are available in many languages!







#### **CONTA-LABEL**

#### Marking components for ink-based marking systems

The CONTA-LABEL products provide polyamide markers for labelling conductors, cables, devices and facilities with ink print. These markers are available in many shapes and colours: in the classic MC Maxi-Card format for self-printing with the EMS plotter system EMS or other ink-jet systems, or ready-to-use customised printed in the PMC Pocket-Maxi-Card format. Cat. no. 98075.2





#### **CONTA-BOX** Housings

07

Our wide variety of housings made of polystyrene, polycarbonate, polyester, ABS and aluminium deliver solutions for protecting electronic circuits, integrated devices and terminal blocks. On request, these housings can be custom-processed and assembled with our CONTA-CONNECT, CONTA-ELECTRONICS and CONTA-CON products.

Cat. no. 98076.2





#### **CONTA-CABLE**

KDS cable entries, KES cable entries, SAB/SSAB/SABK shielding solutions The KDS and KES cable entries enable a tool-free, IP66-sealed feed-through for unassembled and assembled cables and hoses. The feed-through openings can be adapted at any time to meet your requirements. The SAB shield-connection clips can be used to provide a reliable shield contact with wire diameters from 3 mm to 35 mm.

Cat. no. 98077.2







#### CONTA-ELECTRONICS

#### Electrical and electronic cabinet components

Our CONTA-ELECTRONICS products provide active and passive components for the transfer and conversion of analogue and digital signals at the coupling level. This product line includes power supplies, multi-function timing relays, coupling relays, digital switching modules, interface modules, opto-couplers, signal converters, GSM communication modules and much more. Cat. no. 98078.2





#### **CONTA-CON**

#### PCB terminals and connectors

This catalogue presents CONTA-CON's wide range of PCB terminals and plug-in connector systems, as well as the modular feed-through terminal systems of the SDK series. The modular components can be configured for any required number of poles. They are available in the wire connection types: wire protection, eccentric, clamping yoke, and (for demanding operating conditions) with tension-spring or Push-in wire terminations. Cat. no. 98079.2

### With us, quality is in every detail: **The new transformer terminals PTKS 4 | PTKS 4/SI**

With attention to detail, we work on innovations every day to offer you the best connection technology for your transformers: Our new **PTKS 4** transformer terminals with push-in connection principle make wiring your transformers easier and faster than ever before, completely without tools.



Wiring in seconds thanks to the innovative push-in connection, without tools and without screws

**Easy handling** and time saving during assembly

**Reliability** through permanent contacting even under shock and vibration loads

Fast disconnecting with only one press of the pusher

### Strong connection with one click: Transformer terminals PTKS 4 | PTKS 4/SI



#### **Features**

- Push-in wire connection
- Rated cross-section 4 mm<sup>2</sup>
- Pluggable cross-connection system PQI 4/ PTKS
- Material: PA 6.6 UL 94 V-0

There are numerous convincing advantages to our **PTKS 4**: With their particularly easy handling and time-saving assembly, they contribute significantly to increasing efficiency and safety. The cross-connectable **PTKS 4** transformer terminals are intended to be directly mounted to a coil body with the integrated receptacles. They can also be mounted on aluminium 10 x 2mm DIN rails. They are used for converting coil ends to push-in connections, for connecting to the device being powered or to parts of the facility.

The push-in terminal can be easily connected with a wire from above. Making a connection takes only seconds. The connection of adjacent terminals is just as quick and convenient with pluggable, insulated **PQI 4/x/PTKS** cross-connectors. The connection of rigid conductors and conductors with and without wire-end ferrules is guaranteed and only the orange pusher has to be pressed to remove the wire.

#### The PTKS 4/SI 5 x 20 and PTKS 4/SI 6.3 x 32

transformer fused terminals can have a corresponding  $5 \times 20$  mm or  $6.3 \times 32$  mm micro-fuse inserted into them through the proven screw cap.

Not only do you gain a great time advantage during the wiring process, but the push-in terminals are also particularly safe and can be used under adverse conditions, as nothing can come loose even when subjected to shock and vibration. Our push-in terminals can withstand these loads with guaranteed permanent contacting

#### **Advantages for end customers:**

- Innovation in the field of transformer terminals
- Push-in connection
- Less insertion force
- Time saving when contacting the wires
- Wire insertion requires no tools
- Built-in insulated pusher for disconnecting the wire
- Test pick-off at each potential

## Advantages for users during the development:

- Innovation in the field of transformer terminals
- Push-in connection
- Reduced inventory due to modular design
- Different voltages can be identified by different coloured hoods
- Marking by marking nails or laser marking possible

## Advantages for users during production:

- Free accessibility of the soldering point (also in quality control)
- Subsequent insertion of cross-connectors (star-delta)
- Wave soldering, robotics and hand soldering possible
- Different voltages can be identified by different coloured hoods
- Marking by marking nails or laser marking possible

## The features in detail



The **PTKS 4** consists of separate terminal bodies and a snap-on protective hood. By retrofitting the protective hoods which make the soldering hooks freely accessible, the coil wires can be soldered on in a convenient time-saving manner. The basic terminals are available in 1-pole and 2-pole, the protective hoods are ordered separately in 2-pole and 3-pole. The modular design leads to a very high flexibility with very low inventory.



Protective hoods

By retrofitting the protective hoods, the soldering hooks are freely accessible at all times during the production process. This makes it possible to use the **PTKS 4/x** in various manufacturing processes (wave soldering, robotics and hand soldering). The separately orderable 2- and 3-pole **PTKS-ADH 4/x** protective hoods are available in different colours. This way, different voltages or windings can be marked easily and quickly.



### Modular design for even numbers of poles

Even numbers of poles on the transformer only require 2-pole terminals to be used with the 2-pole protective hoods.



### Modular design for odd numbers of poles

By retrofitting the protective hoods, the soldering hooks are freely accessible at all times during the production process. This makes it possible to use the **PTKS 4/x** in various manufacturing processes (wave soldering, robotics and hand soldering). The separately orderable 2- and 3-pole **PTKS-ADH 4/x** protective hoods are available in different colours. This way, different voltages or windings can be marked easily and quickly.



Example 9-pole: 4x PTKS 4/2, 1x PTKS 4/1, 3x PTKS-ADH 4/2, 1x PTKS-ADH 4/3

### Additional accessories

The insulated and pluggable **PQI 4/x/PTKS** cross-connectors enable quick and convenient distribution of potentials and are available in 2-, 3- and 5-pole versions. Potential connections can be multiplied quickly, safely and cost-effectively using the cross-connectors. The transformer terminals can be labelled or marked as usual using the PMC SB 7.5 quick marking system. In addition, direct laser marking is possible.



#### Transformer terminals PTKS

Push-in wire connection		PTKS 4/	1		PTKS 4/2	2	
• Housing made of polyamide 6.6 UL 94 V-0				M 3			
Connection diagram			× /			× /	
			)			)_J	
Description		Transforme 1 push-in e	er terminal connection		Transforme 2 push-in e	er terminal connections	
Wire connect type		Push-in teo	chnique		Push-in teo	chnique	
Size (L x W x H), mm		30.7 x 8.1	x 31.5		30.7 x 15.	0 x 31.5	
Type / colour		<b>PTKS 4/1</b>	GR 🔵		PTKS 4/2	GR 🔵	
Cat. no.	Qty.	27080.6		50	27081.6		25
Ratings		IEC*	UL*	CSA*	IEC*	UL*	CSA*
Rated voltage (V)		800	600	600	800	600	600
Rated current (A)		32	27	27	32	27	27
Rated wire cross-section, mm <sup>2</sup> / AWG		4/20-10			4/20-10		
Rated surge voltage kV / Contamination degree		8/3			8/3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A4 / V-0			A4 / V-0		
Connection data							
Single wire (solid) / stranded (flexible), mm <sup>2</sup>		0.5-6/-			0.5-6/-		
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1),	mm <sup>2</sup>	0.5-4/0.5	5-4		0.5-4/0.5	5-4	
Clamping range, mm <sup>2</sup>		0.5-4			0.5-4		
Stripping length, mm		12			12		
Features							
Material of insulated housing   Temperature range		PA 6.6 / -4	0 °C to +120	°C	PA 6.6 / -4	0 °C to +120	0°C
Number of cross-connection channels / Test pick-off option		1/1			1/2		
Accessories			- /				
Quick marking PMC SB	•	PMC SB /	.5/40 WH		PMC SB 7	.5/40 WH	
Cat. no.	Qty.	9326.7		400	9326.7		400
Quick marking PMC SB, special print		PMC SB /	.5/40 So WH		PMC SB 7	.5/40 So Wi	1
Cat. no.	Qty.	3327.7	2.0	400	3327.7	2.0	400
Screwdriver SDB	01	SDB 0.5 X	3.0	1	SDB 0.5 x	3.0	1
Cal. no.	Qty.	1085.0			1085.0		
Cat no	Otre				PIKS-ADF	1 4/2 OG	50
Cut. no.	Qty.				27082.3	4/2 60	50
Cat no	Otre				27092 C	14/2 GK	50
Protective bood PTKS ADH 3 pole	Qty.		1 4/3 00			14/2 00	30
Cat no	Otv	27082.2	14/300	50	27082 2	14/300	50
Protective bood PTKS-ADH 3-pole	Qty.		1 A /2 C D	30			50
Cat no	Otv	27083.6	1 J J UK	50	27083 6	14/3 UK	50
Insulated cross-connection POI	Qty.	POI 4/2/P		50	POL 4/2/P		50
Cat no	Otv	27084 9	ING ND	50	27084 9		50
Insulated cross-connection POI	Q.y.	POI 4/3/P		50	POL 4/3/P		50
Cat. no.	Otv.	27085 9		50	27085 9	ING ND	50
Insulated cross-connection POI	2.9.	POI 4/5/P	TKS RD	50	POI 4/5/P	TKS RD	50
Cat. no.	Otv.	27086.9		20	27086.9		20
	<b>~</b>						

Push-in wire connection		PTKS 4	/SI 5 x 20	)	PTKS 4	/SI 6.3 x 3	32	
• Housing made of polyamide 6.6 UL 94 V-0				M 3 area	мз			
Connection diagram								
	0		•					
Description	Transforn 1 push-in	ner-fused te connection	rminal n	Transforr 1 push-ir	ner-fused te n connectior	rminal า		
Wire connect type		Push-in te	echnique		Push-in t	echnique		
Size (L x W x H), mm		32.5 x 12	2.5 x 43.9		32.5 x 12	2.5 x 49.4		
Type / colour		PTKS 4/S	GI 5 x 20 GR		PTKS 4/	SI 6.3 x 32 C	GR 🔴	
Cat. no.	Qty.	27087.6		50	27088.6		50	
Ratings		IEC*	UL*	CSA*	IEC*	UL*	CSA*	
Rated voltage (V)		250	600	600	500	600	600	
Rated current (A)		10**	10	10	10**	10	10	
Rated wire cross-section, mm <sup>2</sup> / AWG		4/20-10	)		4/20-1	0		
Rated surge voltage kV / Contamination degree		8/3			8/3			
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A4 / V-0			A4 / V-0			
Connection data								
Single wire (solid) / stranded (flexible), mm <sup>2</sup>		0.5-6/-			0.5-6/-			
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1),	mm <sup>2</sup>	0.5-4/0	.5-4		0.5-6/0	0.5-4		
Clamping range, mm <sup>2</sup>		0.5-4			0.5-6			
Stripping length, mm		12			12			
Features								
Material of insulated housing   Temperature range		PA 6.6 / -	40 °C to +1	20 °C	PA 6.6 /	-40 °C to +1	20 °C	
Number of cross-connection channels / Test pick-off option Accessories								
Quick marking PMC SB								
Cat. no.	Qty.							
Quick marking PMC SB, special print								
Cat. no.	Qty.		2.0					
Screwdriver SDB	<u>.</u>	SDB 0.5	x 3.0		SDB 0.5	x 3.0	-	
Cat. no.	Qty.	1085.0		1	1085.0		1	
Protective hood PTKS 4	0	PIKS-AD	H 4/SI 5 X	20 00	PIKS-AL	DH 4/51 6.3	x 32 0G	
Cat. no.	Qty.	27089.3		50	27090.3		22.00	
Protective nood PTK34	0	27080 C	H 4/3I 3 X	20 GR	PIKS-AL	DH 4/31 6.3	X 32 GR	
Cat. no.	Qty.	27089.6		50	27090.6		50	

## Open up flexible installation options: **Our transformer terminals TKS/TK**

The extensive range of our transformer terminals opens up different mounting variations and thus a wide range of possible applications - not least thanks to the proven connection system.

**Simple and time-saving handling** due to direct mounting on the coil body

Adaptable for screw and spade terminals

**Vibration-resistant connection** due to the clamping yoke system used millions of times over

High contact force and contact reliability in practical use

### Time-saving installation, robust in use: The transformer terminals TKS/TK



#### The advantages:

- A connection mechanism that has proven itself in billions of applications
- Connection of multiple wires is possible
- Comprehensive product line
- Easy to mount to cores
- Convenient marking options

The **TKS/TK** transformer terminals are intended to be directly mounted to a coil body with integrated receptacles. They can also be mounted on aluminium 10 x 2 DIN rails. They are used for converting coil ends to screw-/spade connections, for connection to the device being supplied, or to parts of the facility.

All transformer terminals feature the proven clamping yoke system which guarantees a vibration-resistant connection. Touch safety in compliance with the German accident prevention regulation (DGUV-3) is ensured because of the closed housing design (material is polyamide PA 6.6 UL 94 V-0).

The **PMC SB 7.5** quick marking system is used for labelling the transformer terminals.

#### **Features:**

- Screw connection system
- Transformer terminals from 4 to 16 mm<sup>2</sup>
- High contact force and contact security
- Material: PA 6.6 UL 94 V-0

## The features in detail

### Transformer terminals: TKS 4 and TKS 4/F

The **TKS 4 and TKS 4/F** are available as 1-, 2-, and 3-pole units in the standard orange and grey colours. Customer-specific colours are available upon request. Available are the **TKS 4** screw connection and the **TKS 4/F** screw-/spade connection (2.8/6.3 mm). The screw connection is designed for wires up to 4 mm<sup>2</sup>. The solder hook is open-sided and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.



### Transformer terminals TKS 10 and TKS 16/2

The **TKS 10**s are available as 1-, 2-, and 3-pole versions. The **TKS 16** is available in a 2-pole block version in the standard colours orange and grey. Customer-specific colours are available upon request. The screw connection is designed for wires up to 16 mm<sup>2</sup>. The solder hook is open and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.



### Transformer-fused terminals TKS 4 SI 5 x 20, 5 x 25 and 6.3 x 32

The **TKS 4 SI** are available in 1-pole versions in the standard colours orange and grey. The screw connection is designed for wires up to 4 mm<sup>2</sup>. A screw cap is used to attach the corresponding 5 x 20, 5 x 25 or 6.3 x 32 micro-fuses in the **TKS 4 SI**.



### Transformer terminals TK 4, TK 4/F, TK 10 and TK 4 SI

This modular system uses a dove-tail connection to assemble together into the required number of poles. The transformer terminals can also be delivered pre-assembled, in standard units from 2 to 10 poles and in orange or beige. Customer-specific colours are available upon request.

The **TK 4** screw connection and the **TK 4/F** screw-/spade connection are available in colour versions (2.8/6.3 mm). The screw connection is designed for wires up to 4 mm<sup>2</sup>. The housing for the **TK 10** transformer terminals (10 mm<sup>2</sup>) and the **TK 4 SI** transformer fused terminals (4 mm<sup>2</sup>) are designed as single-pole terminals without a dove-tail connection. A plug-in unit is used to attach the corresponding 5 x 20 or 5 x 25 micro-fuses in the **TKS 4 SI**.



#### Transformer terminals TKS

Screw connection system	TKS	4/1		TKS 4/2	2		TKS 4/	3	
• Housing made of polyamide 6.6 UL 94 V-0			M 3	١		M 3		N	M 3
Connection diagram									
		0•		(				0	•
Description	Transf 1 scre	former terminal ew connection		Transform 2 screw c	ner terminal connections		Transform 3 screw of	ner termination	al s
Wire connect type	Screw	connection techr	nology	Screw co	nnection tech	nology	Screw co	nnection t	echnology
Size (L x W x H), mm	20.5 2	x 7.5 x 33.1		20.5 x 7.	5 x 33.1		20.5 x 7.	5 x 33.1	
Type / colour	TKS 4	I/1 OG 🛑		TKS 4/2	og 🔴		TKS 4/3	og 🔴	
Cat. no. Qty	. 1222.	.3	50	1223.3		25	1224.3		20
Type / colour	TKS 4	I/1 GR 🔵		TKS 4/2	GR 🔵		TKS 4/3	GR 🔵	
Cat. no. Qty	. 1222.	.6	50	1223.6		25	1224.6		20
Ratings	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA
Rated voltage (V)	800	600	600	800	600	600	800	600	600
Rated current (A)	32	27	27	32	27	27	32	27	27
Rated wire cross-section, mm <sup>2</sup> / AWG	4/22	-10		4/22-10	0		4/22-1	0	
Rated surge voltage kV / Contamination degree	8/3			8/3			8/3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A3/V	-0		A3 / V-0			A3 / V-0		
Connection data									
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0.2-0	6/-		0.2-6/-			0.2-6/-		
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm <sup>2</sup>	0.2-0	6/0.2-4		0.2-6/0	).2-4		0.2-6/0	).2-4	
Clamping range, mm <sup>2</sup>	0.2-0	6		0.2-6			0.2-6		
Stripping length, mm	8			8			8		
Torque, Nm / Screw	0.5-	1.0/M 3		0.5-1.0	/ M 3		0.5-1.0	/ M 3	
spade connection, mm	_								
Features	DA C	( 10.00 1. 100	0.0	DA C C I	40.00 1.00		DACCI	10.001	120.00
Material of insulated housing   Temperature range	PA 6.6	5 / -40 °C to +120	°C	PA 6.6 / -	40 °C to +120	)°C	PA 6.6 /	-40 °C to +	120 °C
Number of cross-connection channels / lest pick-off option	-/1			-/2			-/3		
Accessories	DIAG	CD 7 5 ( 40 M/H		D1 4 6 6 D	7 5 / 40 14/11		D146.6D	7 5 / 40 14/	
Quick marking PMC SB	PMC	SB 7.5/40 WH	40.0	PMC SB	7.5/40 WH	100	PMC SB	7.5/40 WI	1
Cat. no. Qty	. 9326.	./ CD 7 5 (40 C - 11/1	400	9326.7	7 5 / 40 5 - 14	400	9326./	7 5 / 40 5	400
	PMC	3B 7.5/40 SO WH	400	PINIC SB	7.5/40 So WF	1	PINC SB	7.5/40 50	WH
Call no. Qty	. 3327.	./	400	3327.7		400	3327.7		400
Screwariver SDR	SDB (	J.6 X 3.5	1	SDB 0.6	x 3.5	1	SDB 0.6	x 3.5	1
Cal. no. Qty	. 1086.	.0	1	1086.0		1	1086.0		1

#### Screw connection system

TKS 4/	1 F		TKS 4/	2 F		TKS 4/	′3 F		
		M 3			M 3				
	$\sim$			$\sim$					
Transform 1 screw of 1 spade Screw co 27.7 x 7	ner terminal connection / connection nnection techr 5 x 33.1	nology	Transform 2 screw of 2 spade of Screw co 27.7 x 7.	ner terminal connections / connections onnection techr .5 x 33.1	nology	Transformer terminal 3 screw connections / 3 spade connections Screw connection technology 27.7 x 7.5 x 33.1			
TKS 4/1 1225.3 TKS 4/1 1225.6	/F OG 🥚 /F GR 🔵	50 50	TKS 4/2, 1226.3 TKS 4/2, 1226.6	/F OG 🔴 /F GR 🔵	25	TKS 4/3 1227.3 TKS 4/3 1227.6	/F OG 🥚 /F GR 🔵	20	
IFC	UI	CSA	IFC	UI	CSA	IFC	UI	CSA	
800	600	600	800	600	600	800	600	600	
32	30	30	32	30	30	32	30	30	
4/22-1	0		4/22-1	0		4/22-1	0		
8/3			8/3			8/3			
A3/V-0			A3/V-0			A3 / V-0			
0.2-6/-			0.2-6/-			0.2-6/	-		
0.2-6/0	0.2-4		0.2-6/0	0.2-4		0.2-6/	0.2-4		
0.2-6			0.2-6			0.2-6			
8			8			8			
0.5-1.0	/ M 3		0.5-1.0	/ M 3		0.5-1.0	/M 3		
6.3/2 x 2	2.8 x 0.8		6.3/2 x 2	2.8 x 0.8		6.3/2 x 2	2.8 x 0.8		
	10.00 1	20		10.00 1- 120	20	DACC	40.00 1 120	20	
PA 6.6 /	-40 °C to +120	-0	PA 6.6 /	-40 °C to +120	-C	PA 6.6 /	-40 °C to +120	·C	
-/1			-/2			-/3			
	7 5/40 14/14		DMC SP	7 5/40 14/14			7 5/40 14/14		
9326 7	7.5/40 001	400	9326 7	7.3/40 001	400	9326 7	7.3/40 001	400	
PMC SR	7 5/40 So W/H	400	PMC SR	7 5/40 So W/H	400	PMC SR	7 5/40 So WH	400	
3327 7	7.5/ <del>10</del> 50 WH	400	3327 7	7.5/ 40 50 001	400	3327 7	7.5/ 40 50 WIT	400	
SDB 0.6	x 3 5	400	SDB 0.6	x 3 5	400	SDB 0.6	x 3 5	400	
1086.0		1	1086.0		1	1086.0		1	

#### Transformer terminals TKS | Transformer-fused terminals TKS.. | SI

Screw connection system	TKS 10	)/1		TKS 10	/2		TKS 10	/3	
• Housing made of polyamide 6.6 UL 94 V-0		м 4				M 4	M 4		M 4
Connection diagram									
		0		(			(		
Description	Transfor 1 screw	mer terminal connection		Transform 2 screw c	ner terminal onnections		Transform 3 screw c	ner terminal onnections	
Wire connect type	Screw co	onnection tech	inology	Screw co	nnection tech	nology	Screw co	nnection tecl	hnology
Size (L x W x H), mm	37.5 x 1	1.25 x 39.5		37.5 x 22	2.55 x 39.5		37.5 x 33	.75 x 33.75	
Type / colour	<b>TKS 10</b> /	1 OG 🛑		TKS 10/2	2 OG 🛑		<b>TKS 10/3</b>	og 🔴	
Cat. no. Qty.	17032.3		50	17033.3		25	17046.3		20
Type / colour	<b>TKS 10</b> /	1 GR 🔵		<b>TKS 10/2</b>	GR 🔵		<b>TKS 10/3</b>	GR 🔵	
Cat. no. Qty.	17032.6		50	17033.6		25	17046.6		20
Ratings	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA
Rated voltage (V)	800	600	600	800	600	600	800	600	600
Rated current (A)	57	50	50	57	65	65	57	65	65
Rated wire cross-section, mm <sup>2</sup> / AWG	10/24-	8		10/24-8	3		10/24-8	3	
Rated surge voltage kV / Contamination degree	8/3			8/3			8/3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	B6 / V-0			B6 / V-0			B6 / V-0		
Connection data									
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0.2-16	/0.2-16		0.2-16/	0.2-16		0.2-16/	0.2-16	
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm <sup>2</sup>	0.2-10	/0.2-10		0.2-10/	0.2-10		0.2-10/	0.2-10	
Clamping range, mm <sup>2</sup>	0.2-16			0.2-16			0.2-16		
Stripping length, mm	14			14			14		
Torque, Nm / Screw	2.0 - 4.0	Slotted M 4		2.0 - 4.0	Slotted M 4		2.0 - 4.0	Slotted M 4	ł
Fuse size									
Features									
Material of insulated housing   Temperature range	PA 6.6 /	-40 °C to +120	0 °C	PA 6.6 / -	40 °C to +120	0°C	PA 6.6 / -	40 °C to +12	20 °C
Number of cross-connection channels / Test pick-off option									
Accessories									
Quick marking PMC SB, blank	PMC SB	7.5/40 WH		PMC SB	7.5/40 WH		PMC SB	7.5/40 WH	
Cat. no. Qty.	9326.7		400	9326.7		400	9326.7		400
Quick marking PMC SB, customer-specific, special print	PMC SB	7.5/40 So WI	H	PMC SB	7.5/40 So WI	4	PMC SB	7.5/40 So W	/H
Cat. no. Qty.	3327.7		400	3327.7		400	3327.7		400
Screwdriver SDB	SDB 0.6	x 3.5		SDB 0.6	x 3.5		SDB 0.6	x 3.5	
Cat. no. Qty.	1086.0		1	1086.0		1	1086.0		1

#### Screw connection system

TKS 16/2			TKS 4/S	5l 5 x 20		TKS 4/5	SI 5 x 25		TKS 4/SI 6.3 x 32			
					M 3			M 3				
0	•		С		)							
Transformer 2 screw con	terminal inections		Transform 1 screw c	ner-fused term onnection	inal	Transform 1 screw c	ner-fused terr onnection	minal	Transform 1 screw c	ner-fused tern onnection	ninal	
Screw conn	ection techn	ology	Screw cor	nnection techr	nology	Screw co	nnection tech	hnology	Screw cor	nnection tech	nology	
44.4 X 26.2	5 x 48.1		28.3 X 12	.5 X 43.9 5 x 20 OC		28.3 X 12	5 × 25 OC		28.3 x 12.5 x 49.4			
17193.3		25	17030.3	5×2000	50	17047.3	372300	50	17031.3 <b>50</b>			
TKS 16/2 G	ir 🌒		TKS 4/SI	5 x 20 GR 🔵		TKS 4/SI	5 x 25 GR		TKS 4/SI	6.3 x 32 GR		
17193.6		25	17030.6		50	17047.6		50	17031.6		50	
IEC	UL	cUL	IEC**	UL**	CSA**	IEC**	UL**	CSA**	IEC**	UL**	CSA**	
1000	600	600	250	600	600	400	600	600	500	600	600	
76	85	85	10**	10	10	10**	10	10	10**	10	10	
16/6			4/24-10	)		4/24-10	)		4/24-10	)		
8/3			8/3			8/3			8/3			
A7 / V-0			A4 / V-0			A4 / V-0			A4 / V-0			
4.5.05.44			0.0.4									
1.5-25/1.0	0-16		0.2-6/-	~ .		0.2-6/-	2 1		0.2-6/-			
1.0-16/1.0	0-16		0.2-6/0	.2-4		0.2-6/0	.2-4		0.2-6/0	.2-4		
1.0-16			0.2-6			0.2-6			0.2-6			
20 40 5	lottod M 5		0 5 1 0	Slotted M 3		0 5 1 0	Slottod M 3	•	0 5 1 0	Slottod M 3		
2.0 - 4.0   3	Iotteu Ivi 5		0.3 - 1.0 5 × 20	Slotted IVI 5		0.3 - 1.0 5 × 25	Slotted IVI S	,	6 3 × 32	Slotted IVI 5		
			5 X 20			J X 2J			0.5 x 52			
PA 6.6 / -40	°C to +120	°C	PA 6.6 / -	40 °C to +120	°C	PA 6 6 / -	40 °C to +12	20 °C	PA 6.6 / -	40 °C to +120	)°C	
	0.00 1120	0		10 0 10 1120	0		10 0 10 112					
PMC SB 7.5	5/40 WH		PMC SB 2	7.5/40 WH		PMC SB	7.5/40 WH		PMC SB	7.5/40 WH		
9326.7		400	9326.7		400	9326.7	,	400	9326.7		400	
PMC SB 7.5	5/40 So WH		PMC SB 2	7.5/40 So WH		PMC SB	7.5/40 So W	'H	PMC SB	7.5/40 So WI	H	
3327.7		640	3327.7		400	3327.7		400	3327.7		400	
SDB 0.6 x 3	8.5		SDB 0.6 >	x 3.5		SDB 0.6	x 3.5		SDB 0.6 2	x 3.5		
1086.0		1	1086.0		1	1086.0		1	1086.0		1	

#### Transformer terminals TKS | Transformer-fused terminals TKS.. | SI

Screw connection system		TK 4			TK 4			TK 4		
• Housing made of polyamide 6.6 UL 94 V-0				M 3			M 3		10	M 3
Connection diagram		С	)•		(	)•				
Description		Transforme 1 screw co	er terminal nnection per	pole	Transform 1 screw c	ner terminal onnection pe	er pole	Transform 1 screw co	er terminal onnection per	. pole
Wire connect type		Screw con	nection techi	nology	Screw co	nnection tech	nology	Screw cor	nection tech	nology
Size (L x W x H), mm		20.5 x 7.5	x 33.1		20.5 x 7.	5 x 33.1		20.5 x 7.5	5 x 33.1	
Type / Colour 1-p	oole	TK 4/1 BG			TK 4/1 O	G 🔴		TK 4/1 YE	E/GN 🌓	
Cat. no.	Qty.	1141.2		50	1141.3		50	1136.8		50
Type / Colour 2-p	oole	TK 4/2 BG			TK 4/2 O	G 🔴				
Cat. no.	Qty.	1142.2		25	1142.3		25			
Type / Colour 3-p	oole	TK 4/3 BG			TK 4/3 O	G 🔴				
Cat. no.	Qty.	1143.2		20	1143.3		20			
Type / Colour 4-p	oole	TK 4/4 BG			TK 4/4 O	G 🔴				
Cat. no.	Qty.	1144.2		15	1144.3		15			
Type / Colour 5-p	oole	TK 4/5 BG			TK 4/5 O	G 🔴				
Cat. no.	Qty.	1145.2		10	1145.3		10			
Type / Colour 6-p	oole	TK 4/6 BG			TK 4/6 O	G 🔴				
Cat. no.	Qty.	1146.2		10	1146.3		10			
Type / Colour 7-p	oole	TK 4/7 BG			TK 4/7 O	G 🔴				
Cat. no.	Qty.	1147.2		10	1147.3		10			
Type / Colour 8-p	oole	TK 4/8 BG			TK 4/8 O	ig 🔴				
Cat. no. C	Qty.	1148.2		5	1148.3		5			
Type / Colour 9-p	oole	TK 4/9 BG			TK 4/9 O	ig 🔴				
Cat. no.	Qty.	1149.2		5	1149.3		5			
Type / Colour 10-p	oole	TK 4/10 B	G 🛑		TK 4/10	og 🔴				
Cat. no.	Qty.	1150.2		5	1150.3		5			
Ratings		IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA
Rated voltage (V)		800	600	600	800	600	600	800	600	600
Rated current (A)		32	30	30	32	30	30	32	30	30
Rated wire cross-section, mm <sup>2</sup> / AWG		4/22-10			4/22-10	)		4/22-10		
Rated surge voltage kV / Contamination degree		8/3			8/3			8/3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A5 / V-U			A5 / V-U			A5 / V-0		
Connection data		0261			0261			0261		
Finaly stranded / finaly stranded (w/forrules acc. to DIN 46228/1) m	m <sup>2</sup>	0.2-0/-	2 4		0.2-0/-	2 1		0.2-0/-	2 1	
Clamping range mm <sup>2</sup>		0.2 - 0 / 0.2			0.2-0/0	.2-4		0.2-0/0.	2-4	
Stripping length mm		0.2-0			0.2-0			0.2-0		
Torque Nm / Screw		05-10			05-10			05-10		
spade connection mm		0.5-1.0			0.5 - 1.0			0.5 - 1.0		
Features										
Material of insulated housing   Temperature range		PA 6 6 / -4	0 °C to +120	°C	PA 6 6 / -	40 °C to +12	0°C	PA 6 6 / -4	40 °C to +120	۰c
Number of cross-connection channels / Test nick-off option		.,		~	171 0.07 -			171 0.07		~
Accessories										
Ouick marking PMC SB		PMC SB 7	5/40 WH		PMC SB	7.5/40 WH		PMC SB 7	7.5/40 WH	
Cat. no.	Dtv.	9326.7	-,	400	9326.7		400	9326.7		400
Ouick marking PMC SB, special print	<b>~</b> - <i>y</i> .	PMC SB 7	5/40 So WE	1	PMC SB	7.5/40 50 14/1	H	PMC SB 7	.5/40 So WE	1
Cat. no.	Dtv.	3327.7		400	3327.7		400	3327.7		400
Screwdriver SDB	~	SDB 0.6 x	3.5		SDB 0.6	x 3.5	100	SDB 0.6 x	3.5	100
Cat. no.	Dtv.	1086.0		1	1086.0		1	1086.0		1
	~									

#### Screw connection system

TK 4/SI		TK 4/SI			TK 4/F			TK 4/F			TK 10			
М 3 Ш			M 3	0	<b>B</b>	M 3 um		·	M 3			M 4		
		0		)	(			(			00		)	
Transformer-fused termi 1 screw connection per	nal pole	Transforme 1 screw co	er-fused term onnection per	inal pole	Transform 1 screw of 1 spade of	ner terminal connection p connection	er pole /	Transform 1 screw of 1 spade of	ner terminal connection pe	er pole /	Transformer terminal 1 screw connection per pole			
Screw connection techn	ology	Screw con	nection techr x 37	nology	Screw co	nnection tec	hnology	Screw co	nnection tecl	hnology	Screw co	nnection tec	hnology	
TK 4/SI 5 x 20 BG		TK 4/SI 52	x 20 OG 🔴		TK 4/1/F	BG		TK 4/1/F	OG		TK 10 O	G 🔴		
1139.2	50	1139.3		50	1151.2		50	1151.3		50	1138.3	•	50	
TK 4/SI 5 x 25 BG 🔴		TK 4/SI 5 x	x 25 OG 🥚		TK 4/2/F	BG 🛑		TK 4/2/F	OG 🔴		TK 10/Z	P* OG 🛑		
1140.2	50	1140.3		50	1152.2		25	1152.3		25	1161.3		50	
					TK 4/3/F	BG 🛑		TK 4/3/F	OG 🔴		TK 10 B	G 🛑		
					1153.2		20	1153.3		20	1138.2		50	
					IK 4/4/F	BC 🛑	15	1154 2	00 🧧	15	1161 2	Pr RC 🛑	50	
					TK A/5/E	RC A	15	TK A/5/E	00	15	1101.2		30	
					1155.2		10	1155.3		10				
					TK 4/6/F	BG		TK 4/6/F	OG 🔴					
					1156.2		10	1156.3		10				
					TK 4/7/F	BG 🛑		TK 4/7/F	OG 🔴					
					1157.2		10	1157.3		10				
					TK 4/8/F	BG 🛑		TK 4/8/F	OG 🔴					
					1158.2		5	1158.3		5				
					TK 4/9/F	BG 🛑		TK 4/9/F	OG 🔴	_				
					1159.2		5	1159.3		5				
					TK 4/10/	F BG 🛑	-	TK 4/10/	F OG 🧶	-	* With ir	itermediate	plate	
IFC CSAue	CEA	IГС	CEAu	<b>C</b> 5 A	1160.2	CEAus	5	1160.3	CEAus	5	IFC	CEAus	<b>C</b> 5A	
250 200	200	1EC 250	CSAUS	200	IEC 800	CSAUS	CSA 600	ROO	CSAUS	CSA 600	1EC 800	CSAUS	CSA 600	
10 10	10	10	10	10	32	30	30	32	30	30	57	65	65	
4/22-10	10	4/22-10	10	10	$\frac{32}{4/22-10}$	0	50	$\frac{32}{4/22-1}$	0	50	$\frac{37}{10/22}$	10	05	
4/3		4/3			8/3	•		8/3	•		8/3			
A5 / V-0		A5 / V-0			A5 / V-0			A5 / V-0			A5 / V-0			
0.2-6/-		0.2-6/-			0.2-6/-			0.2-6/-			0.2-10/	-		
0.2-6/0.2-4		0.2-6/0.2	2-4		0.2-6/0	).2-4		0.2-6/0	).2-4		0.2-10/	0.2-10		
0.2-6		0.2-6			0.2-6			0.2-6			0.2-10			
9		9			9			9			12			
0.5-1.0		0.5-1.0			0.5-1.0			0.5-1.0			1.2-2.0			
		6.3/2 x 2.8	3 x 0.8		6.3/2 x 2	.8 x 0.8		6.3/2 x 2	.8 x 0.8					
DA ( ( / 40.00 to 120	00	DACCLA	0.00 to 120	26	DACCI	10.00 10.10		DACCI	40 °C to 12		DACCI	40 °C to 11		
PA 6.6 / -40 °C to +120		PA 6.6 / -4	0 °C to +120		PA 6.6 / -	40 °C to +12	20 °C	PA 6.6 / ·	-40 °C to +12	20 -C	PA 6.6 /	-40 °C to +12	20 °C	
PMC SR 7 5/40 WH		PMC SP 7	5/40 14/14		DMC SP	7 5/40 WH		DMC SP	7 5/40 WH		DMC SP	7 5/40 14/14		
9326.7	400	9326.7	.5/ 10 101	400	9326.7	7.5/ UV VI	400	9326.7	7.5/ UVI1	400	9326.7	7.5/ TU WI	400	
PMC SB 7.5/40 So WH		PMC SB 7	.5/40 So WH	100	PMC SB	7.5/40 So W	/H	PMC SB	7.5/40 So W	/H	PMC SB	7.5/40 So W	/H	
3327.7	400	3327.7	.5/ 10 50 101	400	3327.7		400	3327.7		400	3327.7		400	
SDB 0.6 x 3.5		SDB 0.6 x	3.5		SDB 0.6	x 3.5		SDB 0.6	x 3.5		SDB 0.6	x 3.5		
1086.0	1	1086.0		1	1086.0		1	1086.0		1	1086.0		1	

### Here, competence is the order of the day: **Our screw connection** system SRK/SSL

CONTA-CLIP offers an innovative line of feed-through and protective-earth terminals featuring the proven screw-connection system for a wide range of cross-sectional widths ranging. The system is used worldwide and features a high degree of contact force and contact reliability.

The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and flexible wires with or without wire-end ferrules



All protective-earth terminals feature a PE foot contact that is snapped on without screws (up to cross-sections of 35 mm<sup>2</sup>), **ensuring mechanical and electrical safety**.



**Well-designed line of accessories** ensures a significant reduction in installation and storage costs

The **SQI pluggable potential distribution system** can be used to multiply potential voltages horizontally

### Proven screw connection system for safe and quick connection: SRK/SSL



#### The advantages:

- Extended rated specifications
- Connection of multiple wires is possible
- Double cross-connection option up to 35 mm<sup>2</sup>
- Power feed with small cross-sections
- Option to cross-connect to functional terminals
- Additional connections from 4 to 120 mm<sup>2</sup>
- Comprehensive marking options

CONTA-CLIP offers an innovative line of feedthrough and protective-earth terminals featuring the proven screw-connection system for cross-sections ranging all the way from 0.08 mm<sup>2</sup> to 120 mm<sup>2</sup>. The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and flexible wires with or without wire-end ferrules. All protective-earth terminals feature a PE foot contact that is snapped on without screws (up to cross-sections of 35 mm<sup>2</sup>), ensuring mechanical and electrical safety.

Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. The **SQI** pluggable potential distribution system can be used to multiply potential voltages horizontally. All of the insulating materials used in these product lines are free of pollutants. They also comply with flammability class V-0 (self-extinguishing) according to UL 94.

#### **Features:**

- Screw connection system
- Feed-through and PE terminals from 2.5 to 120 mm<sup>2</sup>
- Pluggable or screw-on cross-connection system
- High contact force and contact security
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

# Listing of the concise features



## a The wire connection / contact reliability

The clamping yoke indirectly transmits pulling pressure from the screw and the clamping yoke against the busbar. The required contact force is generated by the torque applied to the screw.

- Rising clamp design
- High contact force and contact security / Minimal contact resistance
- There is a clear separation of electrical and mechanical functions.
- Clamping yoke made from hardened steel: galvanized, chrome-plated and additionally thick-film passivated
- The busbars are made from copper with surface coating (tin)
- Resistant to vibration and maintenance-free
- Corrosion-free
- Low voltage drop
- Compact design
- Foot base can be snapped on TS 35 DIN rail

#### c Pluggable cross-connection options

Distributing potentials with the pluggable **SQI** cross-connection system is quick and easy. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup>, 6 mm<sup>2</sup> and 10 mm<sup>2</sup>.

- Available in 2 to10 and 30 poles
- Simple to insert and thus quicker to install
- No insulation plate or partition plate is required between neighbouring cross-connections, since the SQIs have a touch-safe protective design.
- Cross-connection can carry the full rated current and voltage of the corresponding terminal block.
- Individual terminals can be skipped over by breaking out contact pins in the cross-connector

#### Feature

The **SRK 2.5 to SRK 10** feed-through terminals have a rail adapter built into the lower part of the terminal housing. This allows the cable shield from a control or data line to be connected in addition to the individual wires.



## **b** Easy and safe to wire with an established connection system

The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and flexible wires with or without wire-end ferrules.

- Simple and self-explanatory usage
- Can be used around the world
- A connection mechanism that has proven itself in billions of applications
- Generous wire-entry geometry
- Connection of multiple wires is possible
- PE foot contact on both sides can be snapped on (no screws) to TS 35 x 7.5 and TS 35 x 15 rails.

#### d Housing insulation material

- Polyamide PA6.6 UL 94, flamm. class V-0, self-extinguishing without burning drops
- Free of hazardous materials such as halogen or phosphor
- Creepage resistance: CTI 600
- Temperature resistant -40 °C to +120 °C

#### e Marking options

The standard terminals feature four labelling channels. They can be fitted with four **PMC SB** labelling tags or two **PMC BSTR** tags.

## An overview of the advantages

#### Compact with identical shapes

The external geometry of the **SRK** feed-through terminals and **SSL** PE terminals is identical in contour in the cross-section range 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup>, 6 mm<sup>2</sup> and 10 mm<sup>2</sup>. Identical end plates and partition plates can thus be used. The width (pitch) for the terminal blocks is 2.5 mm<sup>2</sup> (5 mm), 4 mm<sup>2</sup> (6 mm), 6 mm<sup>2</sup> (8 mm) and 10 mm<sup>2</sup> (10 mm). Despite their small size, the **SRK** feed-through terminals have a rated voltage range of up to 1000 V.

#### Large wire-entry bay and connection space

The wire-entry bay is very spacious – this permits quick wiring of solid or flexible wires, with or without wire-end ferrules. The rated cross-sections specified in our documentation correspond to a connection with stranded wires using wire-end ferrules. It is also possible to use solid wires up to the next larger cross-section size.



#### Safety and stability

The insulated terminal housing with its special foot shape guarantees a convenient snap-on to the rail and a secure mount (on TS 35x7.5 and TS 35x15 according to EN 60715). Metal parts – including screws, clamping yoke, busbars, and PE foot – are securely mounted within the terminal housing. In addition, the screws are held captive from above by a screw brake mechanism. The PE terminals (**SSL 2.5 to SSL 35**) have a PE foot contact on both sides. It can be snapped on to rails (**TS 35 x 7.5 and TS 35 x 15**) with no need for screws and provides optimal mechanical and electrical safety.

#### **Cross-connection system**

The standard feed-through terminals from 2.5 mm<sup>2</sup> to 35 mm<sup>2</sup> feature two cross-connection channels. So the two-pole **SQI.../2** cross-connectors can be used to connect any number of terminals with each other.

#### **Potential distribution**

The **SQI** cross-connectors are available from 2 to 10 poles and with 30 poles. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup>, 6 mm<sup>2</sup> and 10 mm<sup>2</sup>.. The **SQI** cross-connectors can be shortened using a cutting tool. The SQI system allows you to maintain touch-protection safety by covering the cut (uninsulated) end with a **SQIK** insulation cap.







#### Skip-over bridging

It is possible to skip over terminal blocks by breaking out individual contact poles. You can mark these contact elements using the plastic insulation of the cross-connector.



## Power feed with small cross-sections

Screw terminals with larger cross-sections and standard cross-connectors can connect to a single terminal of the next size up for the power feed-in. The **SQI** cross-connection system can carry the rated voltage and rated current.



#### servicing work

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



#### Labelling

High-quality, quick and concise labelling is possible when using the **PMC SB, PMC BSTR or MC** labelling systems. The standard terminals feature up to four labelling channels.



#### A comprehensive line of accessories

- DIN rails
- Mechanical attachment / End stops
- Group marker holders
- End plates / Visual separation
- Cross-connections (potential distribution)
- Protective hoods

#### Feed-through terminals SRK | Protective earth terminals SSL

Screw connection system		SRK 2.5/2A		SRK 2.5/2A SAS		SSL 2.5/2A	
<ul> <li>Foot base can be snapped on TS 35 DIN rail</li> <li>Housing made of polyamide 6.6 UL 94 V-0</li> </ul>			M 2.5		2.5		M 2.5
Connection diagram				 У У			
			0				
Description		Feed-through terminal 2 connections		Feed-through terminal 2 connections with shield connection rail		Protective earth termina 2 connections	1
Wire connect type		Screw connection technolo	ogy	Screw connection technology		Screw connection techr	ology
Size (L x W x H) with IS35x7.5 mm		48 x 5 x 4/		62.5 x 5 x 4/		48 x 5 x 4/	
Cat. no.	Qty.	17100.1	100			17103.2	100
Type / colour		SRK 2.5/2A BG 🥚		SRK 2.5/2A SAS BG			
Cat. no.	Qty.	17100.2	100	17119.2	80		
Type / colour	Otre	SRK 2.5/2A OG	100				
Type / colour	Qty.	SRK 2.5/2A BK	100				
Cat. no.	Qty.	17100.4	100				
Type / colour		SRK 2.5/2A BU 🔵					
Cat. no.	Qty.	17100.5	100				
lype / colour	Otv	SRK 2.5/2A GR	100				
Type / colour	Qty.	SRK 2.5/2A WH	100				
Cat. no.	Qty.	17100.7	100				
Type / colour		SRK 2.5/2A YE 😑					
Cat. no.	Qty.	17100.8	100				
lype / colour	Otv	SRK 2.5/2A RD	100				
Ratings	Qty.	IEC UL	CSA	IEC		IEC UL	CSA
Rated voltage (V)		1000 600	600	400			
Rated current (A)   Max. current capacity		24/32 25	25	24/32			
Rated cross-section, mm <sup>2</sup> / AWG		2.5/30-12		2.5/30-12		2.5/30-12	
Plug gauge acc. to EN 60.947-1 / Flamm. class acc. to LII. 94		A3 / V-0		A3 / V-0		A3/V-0	
Connection data							
Single wire (solid) / stranded (flexible), mm <sup>2</sup>		0.2-4/-		0.2-4/-		0.2-4/-	
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mn	n²	0.2-4/0.2-2.5		0.2-4/0.2-2.5		0.2-4/0.2-2.5	
Clamping range, mm <sup>2</sup>		0.2-4		0.2-4		0.2-4	
Torque, Nm / Screw		0.4 - 0.8   Slotted M 2.5		0.4 - 0.8   Slotted M 2.5		0.4 - 0.8   Slotted M 2.5	
Special connection, mm				Faston 2.8			
Features							
Material of insulated housing   Temperature range		PA 6.6 / -40°C to +120°C		$PA 6.6 / -40 \degree C to +120 \degree C$		PA 6.6 / -40 °C to +120	-ر
Accessories		2/1		2/1		171	
End plate AP		AP 2.5-10 BG		AP 2.5-10 BG		AP 2.5-10 BG	
Cat. no.	Qty.	2001.2	50	2001.2	50	2001.2	50
Pick-off terminal SMAG	Otv						
Partition plate TW	Qty.	TW 2.5-10 BG		TW 2.5-10 BG		TW 2.5-10 BG	
Cat. no.	Qty.	2002.2	50	2002.2	50	2002.2	50
Insulating cap SQIK for cross-connector	-	SQIK 2.5-10 YE		SQIK 2.5-10 YE		SQIK 2.5-10 YE	
Cat. no.	Qty.	17200.8	20	17200.8	20	17200.8	20
Insulated cross-connection SQI	2-pole	SQI 2.5/2 YE	50	SQI 2.5/2 YE	50	SQI 2.5/2 YE	50
Insulated cross-connection SQI	3-pole	SQI 2.5/3 YE	50	SQI 2.5/3 YE	50	SQI 2.5/3 YE	50
Cat. no.	Qty.	17202.8	50	17202.8	50	17202.8	50
Insulated cross-connection SQI	4-pole	SQI 2.5/4 YE		SQI 2.5/4 YE		SQI 2.5/4 YE	
Cat. no.	Qty.	1/203.8	20	1/203.8 SOL 2.5 /5 VE	20	1/203.8	20
Cat. no.	Otv.	17204.8	20	17204.8	20	17204.8	20
Insulated cross-connection SQI	6-pole	SQI 2.5/6 YE		SQI 2.5/6 YE		SQI 2.5/6 YE	
Cat. no.	Qty.	17205.8	20	17205.8	20	17205.8	20
Insulated cross-connection SQI	7-pole	SQI 2.5/7 YE	20	SQI 2.5/7 YE	20	SQI 2.5/7 YE	20
Cat. no.	Qty. 8-pole	SOI 2.5/8 YF	20	SOI 2 5/8 YF	20	SOI 2.5/8 YF	20
Cat. no.	Qty.	17207.8	10	17207.8	10	17207.8	10
Insulated cross-connection SQI	9-pole	SQI 2.5/9 YE		SQI 2.5/9 YE		SQI 2.5/9 YE	
Cat. no.	Qty.	17208.8	10	17208.8	10	17208.8	10
Insulated cross-connection SQI	10-pole	SQI 2.5/10 YE	10	SQI 2.5/10 YE	10	SQI 2.5/ 10 YE	10
Insulated cross-connection SQI	30-pole	SQI 2.5/30 YE	10	SQI 2.5/30 YE	10	SQI 2.5/30 YE	10
Cat. no.	Qty.	17210.8	5	17210.8	5	17210.8	5
End stop SES		SES 35 BG		SES 35 BG		SES 35 BG	
Cat. no.	Qty.	1/250.2 SDB 0 5 × 2 0	50	1/250.2 SDB 0.5 x 2 0	50	1/250.2 SDB 0.5 × 2.0	50
Cat. no.	Otv	1085.0	1	1085.0	1	1085.0	1
Quick marking PMC SB	Q.y.	PMC SB 5/50 WH		PMC SB 5/50 WH		PMC SB 5/50 WH	
Cat. no.	Qty.	4600.7	500	4600.7	500	4600.7	500
SRK 4/2A		SRK 4/2A SAS		SSL 4,	/2A		
---	------------	--	-----------	-----------------------	--------------------------	--------	
	M 3		M 3			M 3	
0 <del>-</del>	-0		0				
Feed-through terminal 2 connections		Feed-through terminal 2 connections with shield	l connec-	Protectiv 2 connec	e earth termir ctions	nal	
Screw connection techno 48 x 6 x 47	logy	Screw connection technol 62.5 x 5 x 47	logy	Screw co 48 x 5 x	onnection tech 47	nology	
SRK 4/2A GN 🔵 17104.1	100			SSL 4/24 17107.2	A GNYE 🌗	100	
SRK 4/2A BG	100	SRK 4/2A SAS BG	80				
SRK 4/2A OG	100	17110.2	80				
17104.3	100						
17104.4	100						
SRK 4/2A BU	100						
SRK 4/2A GR							
17104.6 SRK 4/2A WH	100						
17104.7	100						
SRK 4/2A YE   17104.8	100						
SRK 4/2A RD 🔴							
17104.9 IEC UL	100 CSA	IEC		IEC	UL	CSA	
1000 600	600	400			02		
32/41 35 4/26-10	35	32/41		4/26-1	0		
8/3		8/3		8/3			
A4/V-0		A4 / V-0		A4 / V-0			
0.2-6/-		0.2-6/-		0.2-6/-			
0.2-6/0.2-4		0.2-6/0.2-4		0.2-6/(0.2-6)	0.2-4		
10		10		10			
0.5 - 1.0   Slotted M 3		0.5 - 1.0   Slotted M 3 Faston 2.8		0.5 - 1.0	Slotted M 3		
D1 6 6 / 40 00 - 100 0	-		<u>_</u>		10.00 . 10		
2/1	C	2/1	C	1/1	-40 °C to +12		
AD 3 5 10 DC		AD 3.5 10 DC		40.25	10.80		
2001.2	50	2001.2	50	AP 2.5- 2001.2	10 6G	50	
SMAG 4/2.5 BG	10	SMAG 4/2.5 BG	10	SMAG 4	/2.5 BG	10	
TW 2.5–10 BG	10	TW 2.5 – 10 BG	10	TW 2.5-	10 BG	10	
2002.2	50	2002.2	50	2002.2	10 VF	50	
17200.8	20	17200.8	20	17200.8	0-10 TE	20	
SQI 4/2 YE	50	SQI 4/2 YE	50	SQI 4/2	YE	50	
SQI 4/3 YE	50	SQI 4/3 YE	50	SQI 4/3	YE	50	
17212.8	50	17212.8	50	17212.8	VE	50	
17213.8	20	17213.8	20	17213.8	12	20	
SQI 4/5 YE	20	SQI 4/5 YE	20	SQI 4/5	YE	20	
SQI 4/6 YE	20	SQI 4/6 YE	20	SQI 4/6	YE	20	
17215.8 SOL 4/7 VE	20	17215.8 SOL 4/7 VE	20	17215.8	YE	20	
17216.8	20	17216.8	20	17216.8		20	
SQI 4/8 YE	10	SQI 4/8 YE	10	SQI 4/8	YE	10	
SQI 4/9 YE	10	SQI 4/9 YE	10	SQI 4/9	YE	10	
17218.8 SOI 4/10 YE	10	17218.8 SOI 4/10 YF	10	17218.8 SOI 4/10	) YE	10	
17219.8	10	17219.8	10	17219.8		10	
SQI 4/30 YE 17220.8	5	SQI 4/30 YE 17220.8	5	SQI 4/30	) YE	5	
SES 35 BG	5	SES 35 BG	5	SES 35 B	G	5	
17250.2 SDB 0.6 × 3.5	50	17250.2 SDB 0.6 × 3.5	50	17250.2 SDB 0.6	x 3.5	50	
1086.0	1	1086.0	1	1086.0		1	
PMC SB 6/50 WH	500	PMC SB 6/50 WH 4702 7	500	PMC SB 4702 7	6/50 WH	500	
	500		500	17 02.7		500	

#### Feed-through terminals SRK | Protective earth terminals SSL

Screw connection system		SRK 6/2A		SRK 6/2A SAS		SSL 6/2A	
<ul> <li>Foot base can be snapped on TS 35 DIN rail</li> <li>Housing made of polyamide 6.6 UL 94 V-0</li> </ul>			M 3.5		M 3.5	10 10 7	M 3.5
Connection diagram			N /	 ү ү			
			4 <u>–</u> 0				
Description		Feed-through termi 2 connections	nal	Feed-through terminal 2 connections with shield connection rail		Protective earth termin 2 connections	al
Wire connect type		Screw connection to	echnology	Screw connection technolog	IУ	Screw connection tech	nology
Type / colour		SRK 6/2A GN		02.3 X 8 X 47		SSL 6/2A GNYE	
Cat. no.	Qty.	17108.1	100			17111.2	100
Type / colour	0.5.	SRK 6/2A BG	100	SRK 6/2A SAS BG	80		
Cat. no. Type / colour	Qty.	SRK 6/2A OG	100	1/11/.2	80		
Cat. no.	Qty.	17108.3	100				
Type / colour		SRK 6/2A BK					
Cat. no.	Qty.	17108.4	100				
Cat. no.	Qty.	17108.5	100				
Type / colour	~ 7	SRK 6/2A GR					
Cat. no.	Qty.	17108.6	100				
Type / colour	Otv	SRK 6/2A WH	100				
Type / colour	Qty.	SRK 6/2A YE	100				
Cat. no.	Qty.	17108.8	100				
Type / colour		SRK 6/2A RD	100				
Cat. no.	Qty.	1/108.9	100	IFC		IFC III	CSA
Rated voltage (V)		1000 600	600	320			CJA
Rated current (A)   Max. current capacity		41/57 50	50	41/57			
Rated cross-section, mm <sup>2</sup> / AWG		10/22-8		10/22-8		10/22-8	
Rated surge voltage kV / Contamination degree		8/3		8/3		8/3	
Plug gauge acc. to EN 60 947-1 / Hamm. class acc. to UL 94		A5 / V-0		A5 / V-0		A5 / V-0	
Single wire (solid) / stranded (flexible), mm <sup>2</sup>		0.2-10/0.2-10		0.2-10/0.2-10		0.2-10/0.2-10	
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm	1 <sup>2</sup>	0.2-10/0.2-6		0.2-10/0.2-6		0.2-10/0.2-6	
Clamping range, mm <sup>2</sup>		0.2-10		0.2-10		0.2-10	
Stripping length, mm		10 1.2 2.0   Slotted N	125	10		10 1.2 2.0   Slotted M.3	5
Special connection, mm		1.2 - 2.0   Slotted N	/ 5.5	Faston 2.8		1.2 – 2.0   Slotted W 5.	5
Features							
Material of insulated housing   Temperature range		PA 6.6 / -40 °C to +	120 °C	PA 6.6 / -40 °C to +120 °C		PA 6.6 / -40 °C to +120	°C
Number of cross-connection channels / Test pick-off option		2/1		2/1		1/1	
End plate AP		AP 2.5-10 BG		AP 2.5 - 10 BG		AP 2.5-10 GN	
Cat. no.	Qty.	2001.2	50	2001.2	50	2001.1	50
Pick-off terminal SMAG		SMAG 6/4 BG		SMAG 6/4 BG		SMAG 6/4 BG	
Cat. no.	Qty.	17121.2 TW 25 10 PC	10	17121.2 TW 2.5 10 PC	10	17121.2 TW 2.5 10 PC	10
Cat. no.	Otv.	2002.2	50	2002.2	50	2002.2	50
Insulating cap SQIK for cross-connector	2.9.	SQIK 2.5 – 10 YE		SQIK 2.5 – 10 YE		SQIK 2.5 – 10 YE	
Cat. no.	Qty.	17200.8	20	17200.8	20	17200.8	20
Insulated cross-connection SQI	2-pole	SQI 6/2 YE	50	SQI 6/2 YE	50	SQI 6/2 YE	50
Insulated cross-connection SOI	3-pole	SOL 6/3 YF	50	SOL 6/3 YE	50	SOL 6/3 YE	50
Cat. no.	Qty.	17222.8	50	17222.8	50	17222.8	50
Insulated cross-connection SQI	4-pole	SQI 6/4 YE		SQI 6/4 YE		SQI 6/4 YE	
Cat. no.	Qty.	17223.8	20	17223.8	20	17223.8	20
Insulated cross-connection SQI	5-pole	SQI 6/5 YE	20	SQI 6/5 YE	20	SQI 6/5 YE	20
Insulated cross-connection SQI	6-pole	SQI 6/6 YE	20	SQI 6/6 YE	20	SQI 6/6 YE	20
Cat. no.	Qty.	17225.8	20	17225.8	20	17225.8	20
Insulated cross-connection SQI	7-pole	SQI 6/7 YE		SQI 6/7 YE		SQI 6/7 YE	
Cat. no.	Qty.	1/226.8	20	1/226.8	20	1/226.8	20
Cat. no.	Qty.	17227.8	10	17227.8	10	17227.8	10
Insulated cross-connection SQI	9-pole	SQI 6/9 YE		SQI 6/9 YE		SQI 6/9 YE	
Cat. no.	Qty.	17228.8	10	17228.8	10	17228.8	10
Insulated cross-connection SQI	10-pole	SQI 6/10 YE	10	SQI 6/10 YE	10	SQI 6/10 YE	10
Insulated cross-connection SOI	30-pole	SOI 6/30 YF	10	SOI 6/30 YE	10	SOI 6/30 YE	10
Cat. no.	Qty.	17230.8	5	17230.8	5	17230.8	5
End stop SES		SES 35 BG		SES 35 BG		SES 35 BG	
Cat. no.	Qty.	17250.2	50	17250.2 SDB 0.6 :: 2.5	50	17250.2	50
Cat. no.	Otv	1086.0	1	1086.0	1	1086.0	1
Quick marking PMC SB	2.9.	PMC SB 8/40 WH		PMC SB 8/40 WH		PMC SB 8/40 WH	
Cat. no.	Qty.	9323.7	400	9323.7	400	9323.7	400

SRK TO/2A		SRK TO/2A SAS		SSE TO	J/2A	
	M 4		M 4		876	M 4
0 <del>-</del>	-0		)			
Feed-through terminal 2 connections		Feed-through terminal 2 connections with shield		Protectiv 2 connec	e earth termin ctions	al
Screw connection techno	logy	Screw connection technolo	ogy	Screw co	nnection tech	nology
48 x 10 x 4/ SRK 10/2A GN		62.5 x 10 x 47		48 x 10 : SSL 10/2	x 4/ 2A GNYE 🌓	
17112.1	100			17115.2		100
SRK 10/2A BG	100	SRK 10/2A SAS BG	80			
SRK 10/2A OG 🔴						
1/112.3 SRK 10/2A BK	100					
17112.4	100					
SRK 10/2A BU	100					
SRK 10/2A GR						
17112.6	100					
17112.7	100					
SRK 10/2A YE	100					
SRK 10/2A RD	100					
17112.9	100					
IEC UL 1000 600	CSA 600	IEC 250		IEC	UL	CSA
57/76 65	65	57/76				
16/18-6		16/18-6		16/18-	6	
875 B7/V-0		B7/V-0		875 B7/V-0		
0.2-16/0.2-16		0.2-16/0.2-16		0.2-16/	0.2-16	
0.6-16		0.6-16		0.6-16		
10		10 1 2 - 2 4   Slotted M 4		10	Slotted M 4	
1.2 2.1   Slotted W 1		Faston 2.8		1.2 2.1	Slotted W 1	
PA 6 6 / $-40 \degree C$ to $\pm 120 \degree C$	C	PA 6.6 / -40 °C to +120 °C		PA 6 6 /	-40 °C to +12	۱°C
2/1		2/1		1/1	10 0 10 112	
AD 25 10 PC		AD 25 10 PC		AD 2.5	10 CN	
2001.2	50	2001.2	50	2001.1	IU GIN	50
SMAG 10/6 BG		SMAG 10/6 BG		SMAG 1	0/6 BG	
1/122.2 TW 2.5–10 BG	10	1/122.2 TW 2.5–10 BG	10	1/122.2 TW 2.5-	10 BG	10
2002.2	50	2002.2	50	2002.2		50
SQIK 2.5-10 YE	20	SQIK 2.5 – 10 YE	20	SQIK 2.5	– 10 YE	20
SQI 10/2 YE	20	SQI 10/2 YE	20	SQI 10/2	2 YE	20
17231.8	50	17231.8	50	17231.8		50
17232.8	50	17232.8	50	SQI 10/3 17232.8	S YE	50
SQI 10/4 YE		SQI 10/4 YE		SQI 10/4	4 YE	
17233.8 SOI 10/5 YF	20	17233.8 SOI 10/5 YF	20	17233.8 SOL 10/4	5 YF	20
17234.8	20	17234.8	20	17234.8	. 12	20
SQI 10/6 YE		SQI 10/6 YE		SQI 10/6	5 YE	
SQI 10/7 YE	20	SQI 10/7 YE	20	SQI 10/2	7 YE	20
17236.8	20	17236.8	20	17236.8		20
SQI 10/8 YE 17237.8	10	SQI 10/8 YE 17237.8	10	SQI 10/8	3 YE	10
SQI 10/9 YE		SQI 10/9 YE	10	SQI 10/9	9 YE	10
17238.8	10	17238.8 SOI 10/10 VE	10	17238.8		10
17239.8	10	17239.8	10	17239.8	IVTE	10
SQI 10/30 YE		SQI 10/30 YE		SQI 10/3	30 YE	
17240.8 SES 35 BC	5	17240.8 SES 35 BC	5	17240.8	G	5
17250.2	50	17250.2	50	17250.2		50
SDB 0.8 x 4.0		SDB 0.8 x 4.0		SDB 0.8	x 4.0	
PMC SB 8/40 WH	1	PMC SB 8/40 WH	I	PMC SB	8/40 WH	1
9323.7	400	9323.7	400	9323.7		400

#### Feed-through terminals SRK | Protective earth terminals SSL

Screw connection system	SRK 16/2A			SSL 16/2A			SRK 16/2A/IS			
<ul> <li>Foot base can be snapped on TS 35 DIN rail</li> <li>Housing made of polyamide 6.6 UL 94 V-0</li> </ul>		8	M 5	19 - Ch	HE,	M 5	M S			
Connection diagram		$\rightarrow$			<u> </u>			0	ŢŢ	-0
Description		Feed-thro 2 connect	ough termina tions	1	Protective e 2 connectio	arth termina ns	I	Feed-thro 2 connec	ough termina tions	al
Wire connect type		Screw cor	nnection tech	nnology	Screw conne	ection techn	ology	Screw co	nnection tec	hnology
Size (L x W x H) with TS35x7.5 mm		53 x 12.1	x 55		53 x 12.1 x	55		53 x 12.1	x 55	
Type / colour		SRK 16/2	A BG		SSL 16/2A	GNYE 🌓		SRK 16/2	2A/IS BG 🦷	
Cat. no.	Otv.	17124.2		50	17130.2		50	17126.2	.,	50
Type / colour	۹.).	SRK 16/2						SRK 16/3		
Cat no	Otv	17124 5		50				17126 5		50
Type / colour	Qty.	SPK 16/2		50				SDK 16/		
Cat no	Otu	17125 2		50				17127 2	LA/ Z/13 DU	50
Cut. no.	Qty.	17123.2		<u> </u>	IFC		CSA	1/12/.2		C5A
Ratings		1000	0L	C3A 600	IEC	UL	CSA	1000	0L	C3A 600
Rated voltage (V)		76/101	800	000				76/101	800	000
Rated current (A)		70/101	60	80	16/16 4			16/101	- 6U	80
Rated wire cross-section, mm <sup>2</sup> / AwG		16/16-4	ł		16/16-4			16/16-4	4	
Rated surge voltage kV / Contamination degree		8/3			8/3			8/3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A7/V-0			A7 / V-0			A/ / V-0		
Connection data										
Single wire (solid) / stranded (flexible), mm <sup>2</sup>		1.5-25/	1.5-25		1.5 – 25 / 1.5	5–25		1.5-25/	1.5-25	
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1),	mm <sup>2</sup>	1.5-25/	1–16		1.5-25/1-	-16		1.5-25/	1–16	
Clamping range, mm <sup>2</sup>		1.5-25			1.5–25			1.5-25		
Stripping length, mm		14			14			14		
Torque, Nm / Screw		2.5 – 3   S	Slotted M 5		2.5 – 3   Slo	tted M 5		2.5 – 3	Hexagon soc	:ket M 5
Features										
Material of insulated housing   Temperature range		PA 6.6 /	40 °C to +12	0 °C	PA 6.6 / -40	°C to +120	°C	PA 6.6 / -	40 °C to +1	20 °C
Number of cross-connection channels / Test pick-off option		2/1			1/1			1/2		
Accessories										
End plate AP		SAP 16/2	A BG		SAP 16/2A	GN		SAP 16/2	2A BG	
Cat. no.	Qty.	17254.2		20	17254.1		20	17254.2		20
Insulated cross-connection SQI	2-pole	SOI 16/2	YE		SOI 16/2 YI	E		SOI 16/2	YE	
Cat. no.	Otv.	17247.8		20	17247.8		20	17247.8		20
Cover	~ 7	SAD 1/12	2/B WH		SAD 1/12/E	3 WH		SAD 1/1	2/B WH	
Cat. no.	Otv.	17248.7	-,	20	17248.7		20	17248.7	_,	20
Cover	<b>_</b> -j.	SAD 1/12	P/B YF		SAD 1/12/F	R YF		SAD 1/1	2/B YF	
Cat no	Otv	17249.8	-, -, -, -, -, -, -, -, -, -, -, -, -, -	20	17249.8		20	17249.8	2,012	20
Pick-off terminal	Qty.	SMAG 16	5/6 BC		SMAC 16/6	RC.		SMAG 1	6/6 BC	
Cat no	Otv	17135 2	,000	10	17135 2	, , , , , , , , , , , , , , , , , , , ,	10	17135 2	0,000	10
Screwdriver SBD	Qty.	SDB 0.8 v	× 4 0	10	SDB 0.8 × 4	0	10	17133.2		10
Cat no	Otv	1087.0		1	1087.0		1			
End ston SES	Qty.	SES 35 P	c.		SES 35 BC			SES 35 P	c	
Cat no	Otv	17250.2	9	50	17250.2		50	17250.2	9	50
Allen key socket wrench ISKS	Qty.	17230.2		50	17250.2		50	17230.2		50
Alleli key socket wielicii isks	0.5									
Cut. no.	Qty.	DMC CD				40.14/11		D140.00	0/40 14/11	
	01	PMC SB 8	6/40 WH	400	PMC 28 8/4	40 WH	400	PINC SB	8/40 WH	400
Cat. no.	Qty.	9323.1		400	9323.1		400	9323.1		400

#### Screw connection system

SSL 16/2A/IS		SRK 35/2A		SSL 35/2A	SRK 35/2A/IS		SSL 35/2A/IS			
	M 5	4 <b>0-0</b>	M 6	an a	M 6		1) M 6			
	)	0 J J	-0		-0		-0	0-		0
Protective earth termina 2 connections	ıl	Feed-through termina 2 connections	al	Protective earth termine 2 connections	nal	Feed-through termin 2 connections	nal	Protective 2 connecti	earth termir ons	nal
Screw connection techn	ology	Screw connection tec	hnology	Screw connection tec	hnology	Screw connection te	chnology	Screw con	nection tech	nology
53 x 12.1 x 55	59 x 16.1 x 65.5		59 x 16.1 x 65.5		59 x 16.1 x 65.5		59 x 16.1	x 65.5		
SSL 16/2A/IS GNYE 🌔		SRK 35/2A BG 🛑		SSL 35/2A GNYE 🌓		SRK 35/2A/IS BG		SSL 35/2A	/IS GNYE	
17131.2	50	17140.2	20	17145.2	20	17142.2	20	17147.2		20
		SRK 35/2A BU 🔵				SRK 35/2A/IS BU				
		17140.5	20			17142.5	20			
		SRK 35/2A/Z BG 🔴				SRK 35/2A/Z/IS BG				
		17141.2	20			17143.2	20			
IEC UL	CSA	IEC UL	CSA	IEC UL	CSA	IEC UL	CSA	IEC	UL	CSA
		1000 600	600			1000 600	600			
16/16 4		125/150 150	150	25/16 1/0		125/150 150	150	25/16 1	10	
10/10-4		35/16-1/0		35/16-1/0		35/16-1/0		35/10-1/	0	
0/0		0/ J R0 / V 0		0/ J R0 / V 0		0/ J R0 / V 0		0/3 R0/\/0		
A7 / V-0		B9 / V-U		B9 / V-0		B9/V-U		B9/V-U		
1.5-25/1.5-25		1.5-50/1.5-50		1.5-50/1.5-50		1.5-50/1.5-50		1.5-50/1	.5-50	
1.5-25/1-16		1.5-50/1-35		1.5-50/1-35		1.5-50/1-35		1.5-50/1	-35	
1.5-25		1.5-50		1.5-50		1.5-50		1.5-50		
14		18		18		18		18		
2.5 – 3   Hexagon socke	t M 5	3.2 – 3.7   Slotted M	6	3.2 – 3.7   Slotted M (	6	3.2 – 3.7   Hexagon :	socket M 6	3.2 – 3.7	Hexagon so	cket M 6
PA 6.6 / -40 °C to +120	°C	PA 6.6 / -40 °C to +12	20 °C	PA 6.6 / -40 °C to +12	20 °C	PA 6.6 / -40 °C to +1	20 °C	PA 6.6 / -4	0 °C to +12	0 °C
1/1		2/1		1/1		2/1		1/1		
SAP 16/2A GN										
17254.1	20									
SQI 16/2 YE		SQI 35/2 YE		SQI 35/2 YE		SQI 35/2 YE		SQI 35/2	ΥE	
17247.8	20	17252.8	20	17252.8	20	17252.8	20	17252.8		20
SAD 1/12/B WH		SAD 1/16/B WH		SAD 1/16/B WH		SAD 1/16/B WH		SAD 1/16	/B WH	
17248.7	20	17282.7	20	17282.7	20	17282.7	20	17282.7		20
SAD 1/12/B YE		SAD 1/16/B YE		SAD 1/16/B YE		SAD 1/16/B YE		SAD 1/16	/B YE	
17249.8	20	17281.8	20	17281.8	20	17281.8	20	17281.8		20
SMAG 16/6 BG		SMAG 35/6 BG		SMAG 35/6 BG		SMAG 35/6 BG		SMAG 35/	6 BG	
17135.2	10	17148.2	10	17148.2	10	17148.2	10	17148.2		10
		SDB 1.2 x 6.5		SDB 1.2 x 6.5						
		1088.0	1	1088.0	1					
SES 35 BG		SES 35 BG		SES 35 BG		SES 35 BG		SES 35 BG		
17250.2	50	17250.2	50	17250.2	50	1/250.2	50	1/250.2		50
						ISKS 5		ISKS 5		
						2818.0	1	2818.0		1
PMC SB 8/40 WH	(00	PMC SB 8/40 WH	100	PMC SB 8/40 WH	100	PMC SB 8/40 WH	100	PMC SB 8	/40 WH	100
9323.1	400	9323.1	400	¥323.1	400	9323.1	400	9323.1		400

#### Feed-through terminals SRK | Protective earth terminals SSL

• Pool base can be supped on TS 35 DIN rall	Screw connection system		SRK 50/2A			SSL 50,	/2A		SRK 70/2A		
Connection diagram         Image: Connection diagram         Feed-through terminal 2 connections         Feed-through terminal 2 connections           Wire connect type         Screw connection technology         Screw connection technology         Screw connections         Screw connect	<ul> <li>Foot base can be snapped on TS 35 DIN rail</li> <li>Housing made of polyamide 6.6 UL 94 V-0</li> </ul>		N. 8 - 10 .	): D.	M 6			M 6	M 8		
Description         Feed-through terminal 2 connections         Protective carb terminal 2 connections         Feed-through terminal 2 conne	Connection diagram				$\supset$	(	)- <u>ç</u> -(	)			)
Wire connect type         Screw connection technology         Screw connection technology         Screw connection technology         Screw connection technology           Size (1, W x H) with T35x7,5 mm         72,5 x 18,5 x 72,5         76,5 x 20,5 x 84         76,5 x 20,5 x 84           Size (1, W x H) with T35x7,5 mm         72,5 x 18,5 x 74         72,5 x 18,5 x 74         76,5 x 20,5 x 84           Size (1, W x H) with T35x7,5 mm         72,5 x 18,5 x 74         76,5 x 20,5 x 84         76,5 x 20,5 x 84           Cat. no.         Qty         77,56,2         10         77,61,5         10           Oppe / color         Six S0/2A BW         77,61,5         10         77,61,5         10           Rated votage (V)         EC         U         CSA         EC         U         CSA           Rated votage (V)         EC         U         CSA         10,70,10	Description		Feed-throu 2 connecti	ugh termina ions	al	Protective 2 connec	e earth term tions	inal	Feed-thro 2 connect	ugh termina ions	I
Size (L, W x H), mm       72, S x 18, S x 72, S       72, S x 18, S x 74, S       76, S x 20, S x 82         Type / colour       SK K 50/2A BC       72, S x 18, S x 74, S       76, S x 20, S x 84       T/15, 2       10         Type / colour       SK K 50/2A BC       SK K 50/2A BC       SK 70/2A BC       17, 17, 12       10         Type / colour       SK K 50/2A BU       T/15, 2       10       SK 70/2A BC       17, 17, 12       10         Star (L, W x H), mm       SK K 50/2A BU       T/15, 2       10       SK 70/2A BU       T/15, 2       10         Star (L, W x H), mm       SK K 50/2A BU       SK 70/2A BU       T/15, 2       10       SK 70/2A BU       T/15, 2       10         Star (L, W x H), mm       SK K 50/2A BU       SK 70/2A BU       SK 70/2A BU       T/15, 2       10       SK 70/2A BU       T/15, 2       10         Star (W collage (V / Collage (M / Collage	Wire connect type		Screw con	nection tec	hnology	Screw co	nnection tec	hnology	Screw cor	nection tecl	hnology
Size (Lx W x H) with TS35x7.5 mm       72.5 x 18.5 x 74       76.5 x 20.5 x 84         Cat. no.       Oty       717.6 Z       171.5 Z	Size (L x W x H), mm		72.5 x 18.	5 x 72.5		72.5 x 18	3.5 x 72.5		76.5 x 20.5 x 82		
Type / colour         Stk S0/2A BC         Stt S0/2A B	Size (L x W x H) with TS35x7.5 mm		72.5 x 18.	5 x 74		72.5 x 18	8.5 x 74		76.5 x 20	.5 x 84	
Ca. no.       Qty.       17156.2       10       17156.2       10       17156.2       10         Type / colour       SRK 507280       1       17156.5       10       17156.5       10         Ratings       17156.5       10       17156.5       10       17156.5       10       17156.5       100       56K 5072.08 U       17156.5       100       56K 5072.08 U       17156.5       100       56K 5072.08 U       1000 600       600       600       600       600       1000       600       600       1000       600       600       1000       600       600       1002       10000       1000       10000 <td< td=""><td>Type / colour</td><td></td><td>SRK 50/2/</td><td>A BG 🔴</td><td></td><td>SSL 50/2</td><td>A GNYE 🌓</td><td></td><td>SRK 70/2</td><td>A BG 🔴</td><td></td></td<>	Type / colour		SRK 50/2/	A BG 🔴		SSL 50/2	A GNYE 🌓		SRK 70/2	A BG 🔴	
Type / colour         SKK S0/2A BU         Int // 10 /	Cat. no.	Otv.	17156.2		10	17158.2		10	17161.2		10
Cr. no.       Qty.       17/156.5       10       17/167.5       10         Ratings       17/167.5       10       17/167.5       10         Rated voltage (V)       1000       600       600       1000       600       600       1000       600       600       1000       600       600       1000       600       1000       600       1000       600       600       1000       600       600       1000       600       600       1000       600       600       1000       600       600       1000       600       600       1000       600       600       1000       1000       1000       600       600       1000       600       600       1000       600       600       1000       1000       1000       600       600       600       1000       1000       600       600       600       600       1000       600       600       1000       600       600       1000       600       600       600       1000       600       600       1000       600       600       1000       600       600       600       600       600       600       600       600       600       600       600       600	Type / colour	<b>_</b> -j.	SRK 50/24	A RU 🦲					SRK 70/2	A BU 🔵	
Chain main         City of the state of the state current (A)         IFC UL         CSA         IFC UL         CSA         IFC UL         CSA           Rated voltage (V)         1000         600         600         192/232         205         192/232         205         205           Rated vurre voltage (V)         50/8-0         50/8-0         8/3	Cat no	Otv	17156 5		10				17161 5		10
Nating         Icc         Oc         Can         Icc         Oc         Can         Icc         Oc         Can         Icc         Oc         Can           Rated vile (orgos)         1000         600         600         50/8-0         1000         600         600           Rated vile cors-section, nm² / AVG         50/8-0         50/8-0         70/6-000         813           Rated vile cors-section, nm² / AVG         50/8-0         813         8/3         8/3           Plug gauge act, to EN 60 947-1 / Flamm, class acc, to UL 94         B10 /V-0         B10 /V-0         B10 /V-0         B11 /V-0           Connection data         10-70/10-70         10-70/10-70         10-95 / 10-95         10-70/10-70         10-95           Finely-stranded (wferules acc, to DIN 46228/1), mm²         10-50/10-50         10-70/10-70         10-95         10-70/10-70           Clamping range, mm²         3.5 - 6   Hexagon socket M 6         3.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8           Features         Asc of 40 °C to +120 °C         PA 6.6 / -40 °C to +120 °C <t< td=""><td>Ratings</td><td>Qty.</td><td>IFC</td><td>111</td><td>CSA</td><td>IFC</td><td>111</td><td><b>CSA</b></td><td>IFC</td><td>10</td><td>CSA</td></t<>	Ratings	Qty.	IFC	111	CSA	IFC	111	<b>CSA</b>	IFC	10	CSA
Index formage (Y)       1000 000 000 000 000 000 000 000 000 00	Rated voltage (V)		1000	600	600	il.C	0L	CJA	1000	600	600
Nation (ky)       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       130/192       130       <	Pated current (A)		150/102	150	150				102/222	205	205
Nated surge voltage k/ / Contamination degree       8/3       8/3       8/3       8/3         Plug gauge ac. to EN 60 947-1 / Flamm. class acc. to UL 94       B10/V-0       B11/V-0       B11/V-0         Single wire (solid) / stranded (metrules acc. to UL 94       D - 70/10 - 70       10 - 70/10 - 70       10 - 95/10 - 95         Finely-stranded //inely-stranded (w/ferrules acc. to DIN 46228/1), mm²       10 - 50/10 - 50       10 - 70/10 - 70       10 - 95/10 - 95         Stripping length, mm       24       24       22       22         Torque, Nn / Screw       3.5 - 6   Hexagon socket M 6       3.5 - 6   Hexagon socket M 6       6 - 12   Hexagon socket M 8         Features       Number of cross-connection channels / Test pick-off option       1/1       0/1       1/1         Accessories       PA 6.6 / 40 °C to +120 °C       PA 6.6 / 40 °C to +120 °C       PA 6.6 / 40 °C to +120 °C         Cross-connection SQ, 2-pole       SQ 50/2       PA 6.6 / 40 °C to +120 °C       PA 6.6 / 40 °C to +120 °C         Cross-connection SQ, 3-pole       SQ 50/2       SQ 50/2       SQ 70/2       Gat. no.       SQ 70/2         Cat. no.       Qty.       17256.0       S       SQ 70/2       S       SQ 70/2       Gat. no.       SQ 70/2       SQ 70/2       SQ 70/2       SQ 70/2       SQ 70/2       SQ 70/2       SQ 70/2 <td>Pated wire cross section mm<sup>2</sup> / AM/C</td> <td></td> <td>50/9 0</td> <td>150</td> <td>150</td> <td>50/9 0</td> <td></td> <td></td> <td>70/6 00</td> <td>205</td> <td>205</td>	Pated wire cross section mm <sup>2</sup> / AM/C		50/9 0	150	150	50/9 0			70/6 00	205	205
Nates unge voltage w/ Containton regree       6/3       6/3       6/3       6/3         Plug gaug act, to EN 60 947.1 / Flamm, class acc. to UL 94       B10/V-0       B10/V-0       B10/V-0       B11/V-0         Single wire (solid) / stranded (flexible), mn²       10 - 70 / 10 - 70       10 - 95 / 10 - 95       10 - 70 / 10 - 70       10 - 95 / 10 - 95         Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mn²       10 - 70 / 10 - 70       10 - 70 / 10 - 70       10 - 95 / 10 - 95         Stripping range, mn²       10 - 70 / 10 - 70       10 - 70 / 10 - 70       10 - 95 / 10 - 95         Torque, Nm / Screw       3.5 - 6   Hexagon socket M 6       3.5 - 6   Hexagon socket M 6       6 - 12   Hexagon socket M 8         Features       Naterial of insulated housing   Temperature range       PA 6.6 / -40 °C to + 120 °C       PA 6.6 / -40 °C to + 120 °C       PA 6.6 / -40 °C to + 120 °C         Number of cross-connection SQ, 2-pole       SQ 50/2       1/1       0/1       1/1       1/1         Cross-connection SQ, 3-pole       SQ 50/3       SQ 70/2       SQ 70/2       5         Cross-connection SQ, 4-pole       SQ 50/4       SQ 70/4       SQ 70/4       SQ 70/4         Cat. no.       Qty.       1/257.0       5       SAD 1/18/B WH       SAD 1/20/B WH       SAD 1/20/B WH       SAD 1/20/B WH       SAD 1/20/B WH<	Pated surge voltage kV / Contamination degree		9/2			0/0-0			2/2	0	
Plog gadge act, to b to 94-1 / Flaminin, class act, to b 19 4       b 10 / 40       b 10 / 40       b 10 / 40       b 11 / 40         Connection data	Rated surge voltage kv / Containination degree		0/3			0/ 0			0/5		
Single wire (solid) / stranded (lifexible), mm <sup>4</sup> 10 - 70 / 10 - 70         10 - 70 / 10 - 70         10 - 55 / 10 - 55           Finely-stranded (merules acc. to DIN 46228/1), mm <sup>4</sup> 10 - 50         10 - 50         10 - 70         10 - 95           Clamping range, mm <sup>2</sup> 24         24         22         22           Stripping length, mm         3.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8         6 - 12   Hexagon socket M 8           Features         3.5 - 6   Hexagon socket M 6         5.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8           Material of insulated housing   Temperature range         PA 6.6 / -40 °C to +120 °C         PA 6.6	Connection data		ы0/ ۷-0			BTU / V-U			DII/V-U		
Finely-stranded (/inely-stranded (/inely-stranded (/inely-stranded / finely-stranded (/inely-stranded / finely-stranded (/inely-stranded i/inely-stranded / inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded i/inely-stranded inely-transe       10 - 70       10 - 70       10 - 70         Stripping length, mm       24       24       24       24       24         Torque, Nm / Screw       3.5 - 6   Hexagon socket M 6       3.5 - 6   Hexagon socket M 6       6 - 12   Hexagon socket M 8         Features       Accessories       PA 6.6 / 40 °C to + 120 °C	Single wire (solid) / stranded (flexible), mm <sup>2</sup>		10-70/10	0-70		10-70/	10-70		10-95/1	0-95	
Clamping range, mm <sup>3</sup> 10-70         10-70         10-70         10-70           Stripping length, mm         24         24         22           Torque, Nm / Screw         3.5 - 6   Hexagon socket M 6         3.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8           Features         Naterial of insulated housing   Temperature range         PA 6.6 / 40 °C to +120 °C         PA 6.6 /	Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1),	mm <sup>2</sup>	10-50/10	0-50		10-50/	10-50		10-70/1	0-70	
Stripping length, mm         24         24         22           Torque, Nm / Screw         S5 - 6   Hexagon socket M 6         5.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8           Material of insulated housing   Temperature range         PA 6.6 / -40 °C to +120 °C         PA 6.6 / -40 °C to +	Clamping range, mm <sup>2</sup>		10-70			10-70			10-95		
Torque, Nm / Screw         3.5 - 6   Hexagon socket M 6         3.5 - 6   Hexagon socket M 6         6 - 12   Hexagon socket M 8           Features         PA 6.6 / 40 °C to +120 °C         PA 6.6 / 40 °C	Stripping length, mm		24			24			22		
Features         PA 6.6 / +40 °C to +120 °C           Material of insulated housing   Temperature range         PA 6.6 / +40 °C to +120 °C         PA 6.6 / +40 °C to +120 °C         PA 6.6 / +40 °C to +120 °C           Accessories         1/1         0/1         1/1           Accessories         SQ 50/2         Factoria SQ 70/2         SQ 70/2           Cat. no.         Qt         17255.0         SQ 50/3         SQ 70/3           Cat. no.         Qty         17256.0         SQ 50/4         SQ 70/4         SQ 70/4           Cat. no.         Qty         17257.0         SQ 50/4         SQ 70/4	Torque, Nm / Screw		3.5 – 6   H	exagon so	cket M 6	3.5 – 6	Hexagon soo	cket M 6	6 – 12   H	exagon sock	ket M 8
Material of insulated housing   Temperature range         PA 6.6 / 40 °C to +120 °C         PA 6.6 / 40 °C to +120 °C         PA 6.6 / 40 °C to +120 °C           Number of cross-connection channels / Test pick-off option         1/1         0/1         1/1           Accessories         SQ 50/2           SQ 70/2           Cross-connection SQ, 2-pole         SQ 50/3          17265.0         S           Cross-connection SQ, 4-pole         SQ 50/3         SQ 70/3         S           Cat. no.         Qty.         17256.0         S         SQ 70/4         S           Cat. no.         Qty.         17257.0         S         SQ 70/4         S           Cat. no.         Qty.         17257.0         S         SAD 1/18/B WH         SAD 1/120/B WH         SAD 1/20/B WH           Cat. no.         Qty.         17287.7         10         17286.7         10           Cover         SAD 1/18/B WH         SAD 1/18/B WH         SAD 1/20/B WH         SAD 1/20/B WH           Cat. no.         Qty.         17283.8         10         17285.8         10           Cat. no.         Qty.         1728.3         10         1721.2         10         1721.2         10         1721.2         10	Features										
Number of cross-connection channels / Test pick-off option         1/1         0/1         1/1           Accessories         SQ 50/2         -         SQ 70/2           Cross-connection SQ, 2-pole         SQ 50/2         SQ 70/2         SQ 70/2           Cat. no.         Qty.         17255.0         S         SQ 70/3           Cat. no.         Qty.         17255.0         S         SQ 70/3           Cat. no.         Qty.         17257.0         S         SQ 70/4         SQ 70/4           Cat. no.         Qty.         17257.0         S         SQ 70/4         SQ 70/4 </td <td>Material of insulated housing   Temperature range</td> <td></td> <td>PA 6.6 / -4</td> <td>0 °C to +1</td> <td>20 °C</td> <td>PA 6.6 / -</td> <td>40 °C to +12</td> <td>20 °C</td> <td>PA 6.6 / -4</td> <td>40 °C to +12</td> <td>20 °C</td>	Material of insulated housing   Temperature range		PA 6.6 / -4	0 °C to +1	20 °C	PA 6.6 / -	40 °C to +12	20 °C	PA 6.6 / -4	40 °C to +12	20 °C
Accessories         reaction         SQ 50/2         SQ 70/2           Cat. no.         Qty.         17255.0         5         17265.0         5           Cross-connection SQ, 3-pole         Q50/3         SQ 70/3         SQ 70/3         SQ 70/3           Cat. no.         Qty.         17256.0         5         SQ 70/4	Number of cross-connection channels / Test pick-off option		1/1			0/1			1/1		
Cross-connection SQ, 2-pole         SQ 50/2         SQ 70/2           Cat. no.         Qty.         17255.0         5         17265.0         5           Cross-connection SQ, 3-pole         SQ 50/3         17266.0         5         SQ 70/3           Cat. no.         Qty.         17257.0         5         SQ 70/4         SQ 70/4         5           Cross-connection SQ, 4-pole         SQ 50/4         SQ 70/4         SQ 70/4         5         7267.0         5           Cat. no.         Qty.         17257.0         S         SAD 1/18/B WH         SAD 1/20/B WH         10         7285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.7         10         17285.8         10         17285.8         10         17285.8         10         17285.8         10         17285.8         10         17285.8         10         17285.8         10         17285.8         10         1274.0	Accessories										
Cat. no.       Qty.       17255.0       5         Cross-connection SQ, 3-pole       SQ 50/3       SQ 70/3         Cat. no.       Qty.       17256.0       5         Cross-connection SQ, 4-pole       SQ 50/4       SQ 70/4         Cat. no.       Qty.       17257.0       5         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH         Cat. no.       Qty.       17284.7       10       17286.7       10         Cover       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B YE       SAD 1/20/B YE         Cat. no.       Qty.       17283.8       10       17285.8       10         Pick-off terminal SMAG       MAG 50 BG       MAG 50 BG       MAG 50 BG       Cat. no.       I121.2       10       1121.2       10       1121.2       10       1121.2       10       1121.2       10       10       2274.0       10       2274.0       10       2274.0       10       1259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20	Cross-connection SO, 2-pole		SO 50/2						SO 70/2		
Cross-connection SQ, 3-pole         SQ 50/3         SQ 70/3           Cat. no.         Qty.         17256.0         5           Cross-connection SQ, 4-pole         SQ 50/4         SQ 70/4           Cat. no.         Qty.         17257.0         5           Cover         SAD 1/18/B WH         SAD 1/18/B WH         SAD 1/18/B WH           Cat. no.         Qty.         17284.7         10         17285.7         10           Cover         SAD 1/18/B YE         SAD 1/18/B YE         SAD 1/20/B YE         SAD 1/20/B YE           Cat. no.         Qty.         17283.8         10         17285.8         10           Pick-off terminal SMAG         MAG 50 BG         MAG 50 BG         MAG 50 BG         MAG 50 BG           Cat. no.         Qty.         1121.2         10         1121.2         10         1121.2         10           Inlay profile EP         EP 50         EP 50         EP 50         EP 50         C         C         274.0         10           Cat. no.         Qty.         17259.2         20         17259.2         20         17259.2         20           Cat. no.         Qty.         17259.2         20         17259.2         10         1274.0         10	Cat. no.	Otv.	17255.0		5				17265.0		5
Cat. no.       Qty.       17256.0       5       17266.0       5         Cross-connection SQ, 4-pole       SQ 50/4       SQ 70/4         Cat. no.       Qty.       17257.0       5       17267.0       5         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH       7286.7       10         Cat. no.       Qty.       17284.7       10       17286.7       10       7286.7       10         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH       SAD 1/20/B WH       10       7286.7       10         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH       SAD 1/20/B WH       10       7286.7       10         Cover       SAD 1/18/B YE       SAD 1/18/B WH       SAD 1/20/B YE       10       1226.7       10         Cat. no.       Qty.       17284.7       10       17286.7       10       17286.7       10         Cat. no.       Qty.       17283.8       10       17286.7       10       1721.2       10       1121.2       10       1121.2       10       1121.2       10       1121.2       10       1274.0       10       274.0       10       274.0       10       274.0       10 <td>Cross-connection SO. 3-pole</td> <td><b>_</b>-j.</td> <td>SO 50/3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SO 70/3</td> <td></td> <td></td>	Cross-connection SO. 3-pole	<b>_</b> -j.	SO 50/3						SO 70/3		
Cross-connection SQ, 4-pole       SQ 50/4       SQ 70/4         Cat. no.       Qty.       17257.0       5         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH         Cat. no.       Qty.       17284.7       10       17286.7       10         Cover       SAD 1/18/B WH       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B YE       10         Cover       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B YE       10       17283.8       10       17283.8       10       17285.8       10       122.7       10       121.2       10       1121.2       10       1121.2       10       1121.2       10       125.9       10       1274.0	Cat no	Otv	17256.0		5				17266.0		5
Cat. no.       Qty.       17257.0       5       17267.0       5         Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH         Cat. no.       Qty.       17284.7       10       17284.7       10       17286.7       10         Cover       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B WH       SAD 1/20/B YE       SAD 1/20/D YE       S	Cross-connection SO. 4-pole	Qty.	SO 50/4						SO 70/4		
Cover       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/18/B WH       SAD 1/20/B WH         Cat. no.       Qty.       17284.7       10       17284.7       10       17286.7       10         Cover       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B WH       SAD 1/20/B YE         Cat. no.       Qty.       17283.8       10       17283.8       10       17285.8       10         Pick-off terminal SMAG       MAG 50 BG       Cat. no.       1121.2       10       10       1274.0       10       1274.0       10       1274.0       10       1274.0       10       1274.0	Cat no	Otv	17257.0		5				17267.0		5
Cott. no.     Qty.     1728/4.7     10     1728/4.7     10     1728/6.7     10       Cover     SAD 1/18/B YE     SAD 1/18/B YE     SAD 1/18/B YE     SAD 1/20/B YE       Cat. no.     Qty.     1728.3.8     10     1728/3.8     10     1728/5.8     10       Pick-off terminal SMAG     MAG 50 BG       Cat. no.     Qty.     112.1.2     10     112.1.2     10     112.1.2     10       Inlay profile EP     EP 50     EP 50     EP 50     EP 50       Cat. no.     Qty.     2274.0     10     2274.0     10     2274.0     10       End stop SHES     SHE 35 BG       Cat. no.     Qty.     17259.2     20     17259.2     20       Allen key socket wrench ISKS     ISKS 5     ISKS 5     ISKS 6       Cat. no.     Qty.     2818.0     1     2818.0     1     2772.0     1       Quick marking PMC SB     PMC SB 8/40 WH	Cover	Qty.	SAD 1/18	/R \\/H		SAD 1/1			SAD 1/20	/B W/H	
Cover       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/18/B YE       SAD 1/20/B YE         Cat. no.       Qty.       17283.8       10       17283.8       10         Pick-off terminal SMAG       MAG 50 BG       MAG 50 BG       MAG 50 BG         Cat. no.       Qty.       1121.2       10       1121.2       10       1121.2       10         Inlay profile EP       EP 50       EP 50       EP 50       EP 50       EP 50       17259.2       10       10         Cat. no.       Qty.       2274.0       10       2274.0       10       2274.0       10       2274.0       10         End stop SHES       SHES 35 BG       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2	Cat no	Otv	17284 7		10	1728/ 7	5/ 5 701	10	17286 7		10
Cat. no.       Qty.       17283.8       10       17283.8       10       17285.8       10         Pick-off terminal SMAG       MAG 50 BG       MAG 50 BG       MAG 50 BG       MAG 50 BG       Cat. no.       Qty.       1121.2       10       1121.2       10       1121.2       10         Inlay profile EP       EP 50       EP 50       EP 50       EP 50       EP 50       12274.0       10         Cat. no.       Qty.       2274.0       10       2274.0       10       2274.0       10         End stop SHES       SHES 35 BG       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       17259.2       20       1725.9       172.0       1         Quick marking PMC SB       PMC SB 8/40 WH       9323.7<	Cover	Qty.	SAD 1/18		10	SAD 1/1		10	SAD 1/20		10
Cut. no.       Qty.       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       17283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       1283.8       10       10       1283.8       10       11       121.2       10       10       1283.8       10       10       129.9       10       10       10       1274.0       10       10       1274.0       10       1283.8       10       11       175.9.2       20       1725.9.2       20       1725.9.2       20       1725.9.2       20       1725.9.2       10       1274.0       1       1       172.0       1       1       18	Cat no	Otre	17282.8	DIL	10	17282.8	5/DIL	10	17285.8	/ D I L	10
MAC 30 BC         Cat. no.       Qty.       1121.2       10       1121.2       10       1121.2       10         Inlay profile EP       EP 50       EP 50       EP 50       EP 50       EP 50       10         End stop SHES       SHES 35 BG         Cat. no.       Qty.       17259.2       20       17259.2       20       17259.2       20         Allen key socket wrench ISKS       ISKS 5       ISKS 5       ISKS 6       ISKS 6         Cat. no.       Qty.       2818.0       1       2772.0       1         Quick marking PMC SB       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH         Cat. no.       Qty.       9323.7       400       9323.7       400	Dick off terminal SMAC	Qty.	17205.0	C.	10	17205.0	P.C	10	17205.0		10
Cat. no.     City     Int21.2     Int0     Int21.2     Int0     Int21.2     Int0       Inlay profile EP     EP 50     EP 50     EP 50     EP 50     EP 50       Cat. no.     Qty.     2274.0     10     2274.0     10     2274.0     10       End stop SHES     SHES 35 BG       Cat. no.     Qty.     17259.2     20     17259.2     20     17259.2     20       Allen key socket wrench ISKS     ISKS 5     ISKS 5     ISKS 6       Cat. no.     Qty.     2818.0     1     2818.0     1     2772.0     1       Quick marking PMC SB     PMC SB 8/40 WH     PMC SB 8/40 WH     PMC SB 8/40 WH     PMC SB 8/40 WH     9323.7     400		0	1121 2	0	10	1121 2	BG	10	1121 2	50	10
Initial profile EP         EP 50         EP 50         EP 50         EP 50           Cat. no.         Qty.         2274.0         10         2274.0         10         2274.0         10           End stop SHES         SHES 35 BG         SHES 35 BG         SHES 35 BG         SHES 35 BG         2274.0         10           Allen key socket wrench ISKS         ISKS 5         ISKS 5         ISKS 5         ISKS 6           Cat. no.         Qty.         2818.0         1         2818.0         1         2772.0         1           Quick marking PMC SB         PMC SB 8/40 WH         PMC SB 8/40 WH         PMC SB 8/40 WH         PMC SB 8/40 WH         9323.7         400         9323.7         400	Cal. no.	Qty.	1121.2 FD 50		10	1121.Z		10	TT2T.2		10
Cat. no.       Qty.       2274.0       10       2274.0       10       2274.0       10         End stop SHES       SHES 35 BG         Cat. no.       Qty.       17259.2       20       17259.2       20       17259.2       20         Allen key socket wrench ISKS       ISKS 5       ISKS 5       ISKS 6         Cat. no.       Qty.       2818.0       1       2818.0       1       2772.0       1         Quick marking PMC SB       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH         Cat. no.       Qty.       9323.7       400       9323.7       400       9323.7       400	Thay profile EP	0	EP 50		10	EP 30		10	EP 50		10
End stop SHES         SHES 35 BG         SHE 35 BG <th< td=""><td>Cat. no.</td><td>Qty.</td><td>2274.0</td><td>~</td><td>10</td><td>2274.0</td><td><b>P</b>.C</td><td>10</td><td>2274.0</td><td></td><td>10</td></th<>	Cat. no.	Qty.	2274.0	~	10	2274.0	<b>P</b> .C	10	2274.0		10
Cat. no.       Qty.       1/259.2       20       1/259.2       20       1/259.2       20       1/259.2       20         Allen key socket wrench ISKS       ISKS 5       ISKS 5       ISKS 6         Cat. no.       Qty.       2818.0       1       2818.0       1       2772.0       1         Quick marking PMC SB       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH       PMC SB 8/40 WH       9323.7       400	End stop SHES	-	SHES 35 E	56		SHES 35	BC		SHES 35	BG	
Allen key socket wrench ISKS         ISKS 5         ISKS 5         ISKS 6           Cat. no.         Qty.         2818.0         1         2818.0         2772.0         1           Quick marking PMC SB         PMC SB 8/40 WH         PMC SB 8/40 WH         PMC SB 8/40 WH         PMC SB 8/40 WH           Cat. no.         Qty.         9323.7         400         9323.7         400	Cat. no.	Qty.	17259.2		20	17259.2		20	17259.2		20
Cat. no.         Qty.         2818.0         1         2818.0         1         2772.0         1           Quick marking PMC SB         PMC SB 8/40 WH         <	Allen key socket wrench ISKS		ISKS 5			ISKS 5			ISKS 6		
Quick marking PMC SB         PMC SB 8/40 WH         PMC SB 8/40 WH         PMC SB 8/40 WH           Cat. no.         Qty.         9323.7         400         9323.7         400	Cat. no.	Qty.	2818.0		1	2818.0		1	2772.0		1
Cat. no.         Qty.         9323.7         400         9323.7         400         9323.7         400	Quick marking PMC SB		PMC SB 8	/40 WH		PMC SB	8/40 WH		PMC SB 8	8/40 WH	
	Cat. no.	Qty.	9323.7		400	9323.7		400	9323.7		400

SSL 70/2A		SRK 120	0/2A							
	M 8	San 4 10 1		M 10						
	С									
Protective earth term 2 connections	ninal	Feed-thro 2 connect	ugh termina tions	al						
Screw connection te 76.5 x 20.5 x 82	chnology	Screw cor 91 x 27 x	nnection tec 90	hnology						
76.5 x 20.5 x 84		91 x 27 x	91							
SSL 70/2A GNYE		SRK 120/	2A BG 🛑							
17163.2	10	17165.2		5						
		SRK 120/	2A BU 🔵							
		17165.5								
IEC UL	CSA	IEC	UL	CSA						
		1000	1000	1000						
		296/290	228	220						
70/6-000		120/4-0000								
8/3		8/3								
B11/V-0		B13/V-0								
10-95/10-95		16-150/	16-150							
10-70/10-70		16-120/	16-95							
10-95		16-150								
22		27								
6 – 12   Hexagon so	cket M 8	12 – 20	Hexagon so	ocket M 10						
PA 6.6 / -40 °C to +1	20 °C	PA 6.6 /	40 °C to +1	20 °C						
0/1		1/1								
		SQ 120/2	2							
		17278.0		5						
		SQ 120/3								
		17279.0		5						
		SQ 120/4	ļ.							
		17280.0		5						
SAD 1/20/B WH		SAD 1/27	/B WH							
17286.7	10	17290.7		5						
SAD 1/20/B YE		SAD 1/27	/B YE							
17285.8	10	17291.8		5						
MAG 50 BG		MAG 50	BG							
1121.2	10	1121.2		10						
EP 50		EP 95								
2274.0	10	2275.0		10						
SHES 35 BG		SHES 35	BG							
17259.2	20	17259.2		20						
ISKS 6		ISKS 6								
2772.0	1	2772.0		1						
PMC SB 8/40 WH		PMC SB 8	3/40 WH							
9323.7	400	9323.7		400						

## Optimally designed for high stress: **Our feed-through terminals RK/ Measurement pick-off terminals MAG**

Durability through maximum stability, that is one of the distinctive features of our range of feed-through as well as measurement pickoff terminals. Specialised construction of the clamping yoke, low contact resistance between wire and busbar - with these features, these terminals are optimally designed for high stress.



**Two-piece insulating housing** optimal for high stress

**Specialised design** ensures low contact resistances

**High mechanical stability** due to pins on the plastic housings

# Specially designed, perfectly insulated: Feed-through terminals RK/

#### The advantages:

- A connection mechanism that has proven itself in billions of applications
- Connection of multiple wires is possible
- Cross-connection option for rated current
- Supplemental connections 50 to 240 mm<sup>2</sup>
- Comprehensive marking options

The **RK 50**, **RK 95**, **RK 150** and **RK 240** terminal blocks are made of a two-piece insulation housing. The specialised construction of the clamping yoke minimises the contact resistance between the wire and the busbar. The clamp is tightened using a hex-socket screw which creates the required torque together with the clamping yoke. Pegs are located on the plastic housings of the terminal blocks; these lock to adjacent terminals to increase the mechanical stability. A threaded **M 2.5** bolt can be attached to the injection-moulded pegs in order to further increase the mechanical stability. A diverse line of accessories offers a practical supplement to these products.

#### **Features:**

- Screw connection system
- Feed-through terminals 50 to 240 mm<sup>2</sup>
- Screwable external cross-connection system
- High contact force and contact security
- Material: PA 6.6 UL 94 V-2

# Wide range of accessories

### Measurement pick-off terminal MAG

The MAG measurement pick-off terminals allow you to tap into the voltage on the **RK 50**, **RK 95**, **RK 150** and **RK 240** terminal blocks when using wires with small cross-sections ranging from 0.2 to 10 mm<sup>2</sup>. A special socket slot in the **RK 50** to **RK 240** terminal blocks enables the **MAG** supplemental connections to be added retroactively. They can be independently snapped on to the base housing of the terminal blocks. **MAG** terminals are individually snapped into the housing of the main terminal above the wire entry. The electrical contact is then established using the connection screw on the main-wire terminal of the busbar. This technical solution is safe, clever, and simplifies the wiring significantly. The rated voltage is 1000 V because of the total insulation provided by the pick-off terminal. The **PMC** quick marking system can be used for labelling the terminals.





### Inlay plate EP

When connecting flat ribbon wires, you are required to attach an inlay plate in the clamping yoke. The **EP** inlay plates compensate for the V-shaped form of the clamping yoke (connection cage). This increases the safety and reliability of the connection for specialised applications.



### Individual covers AD

VDE regulations require that the mains terminals be covered. The yellow **AD** covers are marked with a lightning bolt symbol and are snapped on from above. They cover the screw heads on the terminal block so that the clamping point can not be reached while under live voltage.



### External cross-connection AQI

The **RK 50**, **RK 95**, **RK 150** and **RK 240** terminals can be connected electrically to each other within the same rated cross-section range by using 2-pole or 3-pole external cross-connectors. The external cross-connectors are designed to match the rated current of the corresponding terminal block.



#### Feed-through terminals RK | Measurement pick-off terminals MAG

Screw connection system	RK 50			RK 95			RK 150			
<ul> <li>Foot can be snapped on TS 32 and TS 35 DIN rails</li> <li>Housing made from polyamide 6.6 UL 94-V-2</li> </ul>		Le Li		P M 6			M 8	м 10		
Connection diagram				)		0(			0(	С
Description		Feed-throu 2 connect	ugh termina ions	al	Feed-thr 2 conne	ough termin ctions	al	Feed-thr 2 connec	ough termir ctions	nal
Wire connect type		Screw con	nection tec	hnoloav	Screw co	onnection te	chnology	Screw co	nnection te	chnology
Size (L x W x H) with TS 32. mm		79 x 20 x	82	J)	84 x 25	x 94		93 x 31	x 118.5	
Size (L x W x H) with TS35x7.5 mm		79 x 20 x	76.5		84 x 25	x 88.5		93 x 31	x 112.8	
Type / colour		RK 50 BG			RK 95 B	G 🔴		RK 150	36	
Cat no	Otv	1120.2		10	1122.2		10	1124 2		10
Type / colour	Qty.	RK 50 BU		10	RK 95 B		10	RK 150 I	RI 🔴	10
Cat no	Otv	1120.5		10	1122 5	0	10	1124 5	50	10
Type / colour	Qty.	DK 50 DK		10	DK OF D		10	DK 150 I		10
Cat no	Otu	1120 A	•	10	1122 A		10	1124 4		10
Type / colour	Qty.	DK 50 CD		10	DK OF C	n 🔿	10	DK 150	° D	10
Cat no	Otu	1120 C		10	11226	ĸ	10	11246		10
Cut. no.	Qty.	1120.0		CCA	1122.0		C54	1124.0		CEA
Ratings		1000	0L 600	C3A 600	1000	<b>UL</b>	CSA	1000	UL 600	CSA 600
Pated current (A)		150	150	150	222	230	230	200	275	275
Rated current (A)		50/1/0	150	130	232	230	230	150/200	2/3	275
Rated wire closs-section, min- / Awg		30/1/0-0	0		95/4/0	-2		150/500	J-Z	
Rated surge voltage kv / Contamination degree	0.4	0/3			0/0	<b>)</b>		0/0		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL	94	B10/V-2			BIZ/V-2	2		B14/V-2		
Connection data		16 50/2	5 50		25 05	25 05		25 150	150 150	
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0/1) 2	16-50/2	5-50		25-95/	25-95		35-150	/ 50 - 150	
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 4622	8/1), mm²	25-50/2	5-50		25-95/	25-95		50-150	/ 50 – 150	
Clamping range, mm <sup>2</sup>		16-50			25-95			35-150		
Stripping length, mm		27			30			38		
Torque, Nm / Screw		6 – 8   He	xagon socke	et M 6	8 - 12	Hexagon soc	cket M 8	14 – 20	Hexagon s	ocket M 10
Banded wire up to mm		11.8 x 5			16 x 6			20 x 8		
Features										
Material of insulated housing   Temperature range		PA 6.6 / -4	10 °C to +10	05 °C	PA 6.6 /	-40 °C to +1	05 °C	PA 6.6 /	-40 °C to +	105 °C
Number of cross-connection channels / Test pick-off optic	n	-/-			-/-			-/-		
Accessories										
Insulated cross-connection AQI	2-pole	AQI 2/50	YE		AQI 2/9	5 YE		AQI 2/1	50 YE	
Cat. no.	Qty.	2763.2		5	2765.2		5	2767.2		5
Insulated cross-connection AQI	3-pole	AQI 3/50	YE		AQI 3/9	5 YE		AQI 3/1	50 YE	
Cat. no.	Qty.	2764.2		5	2766.2		5	2768.2		5
Cover AD		AD 1/50/	B YE		AD 1/95	5/B YE		AD 1/15	0/B YE	
Cat. no.	Qty.	2810.0		10	2804.0		10	2806.0		10
Inlay profile EP		EP 50			EP 95			EP 150		
Cat. no.	Qty.	2274.0		10	2275.0		10	2277.0		10
Measurement pick-off terminal MAG		MAG 50 I	3G		MAG 95	BG		MAG 15	0/240 BG	
Cat. no.	Qty.	1121.2		10	1123.2		10	1125.2		10
End stop ES		ES 35/K/S	ST BG		ES 35/K	/ST BG		ES 35/K	/ST BG	
Cat. no.	Qty.	2828.0		50	2828.0		50	2828.0		50
Allen key socket wrench ISKS		ISKS 5			ISKS 6			ISKS 8		
Cat. no.	Qty.	2818.0		1	2772.0		1	2773.0		1
Screwdriver SDB										
Cat. no.	Qty.									
Quick marking PMC SB		PMC SB 6	50 WH		PMC SB	6/50 WH		PMC SB	6/50 WH	
Cat. no.	Qty.	4702.7		500	4702.7		500	4702.7		500

RK 240 MAG 50		MAG 50		MAG 95		MAG 150/240	EP			
	И 10	M 4			4	-0-0				
OO		O		O		O				
Feed-through terminal 2 connections		Pick-off terminal 1 connection		Pick-off terminal 1 connection		Pick-off terminal 1 connection	Inlay plate			
Screw connection techno	logy	Screw connection technology	,	Screw connection technolog	av.	Screw connection technology	Screw connection technology			
93 x 36 x 132	57				,,	37	5,			
93 x 36 x 126.3										
RK 240 BG		MAG 50 BG		MAG 95 BG		MAG 150/240 BG	FP 50			
1126.2	5	1121 2 1	0	1123 2	10	1125 2 10	2274.0 10			
	5	1121.2	•	1123.2		1123.2	ED 05			
1126 5	5						2275 0 <b>10</b>			
PK 240 PK	3						22/3.0 IU			
1126 4	-						EP 150			
1120.4	5						22/7.0 10			
RK 240 GR	-						EP 240			
1126.6	5						2360.0 10			
IEC UL C	CSA	IEC		IEC		IEC				
1000 600 6	500	1000		1000		1000				
415 370 3	370	57		57		57				
240/500-2/0		10/22-8		10/22-8		10/22-8				
8/3		6/3		6/3		6/3				
B16/V-2		A5/V-2		A5 / V-2		A5 / V-2				
70 240 (70 240		0.2 10/0.2 10		0.2 10/0.2 10		0.2 10/0.2 10				
70-240/70-240		0.2-10/0.2-10		0.2-10/0.2-10		0.2-10/0.2-10				
/0-240//0-185		0.2-10/0.2-10		0.2-10/0.2-10		0.2-10/0.2-10				
70-240		0.2-10		0.2-10		0.2-10				
38		12		12		12				
14 – 20   Hexagon socket	M 10	1.2 – 2.0   Slotted M 4		1.2 – 2.0   Slotted M 4		1.2 – 2.0   Slotted M 4				
20 x 12										
PA 6.6 / -40 °C to +105 °C	C	PA 6.6 / -40 °C to +105 °C		PA 6.6 / -40 °C to +105 °C		PA 6.6 / -40 °C to +105 °C				
-/-		-/-		-/-		-/-				
AOI 2/240 YF										
2769.2	5									
AOI 3/240 VE	-									
2770 2	5									
AD 1/240/B VE	5									
2808 0	10									
ED 240	10									
2260.0	10									
2300.0 MAC 150/240 PC	10									
1125 2	10									
1123.2 EC 35/W/CT DC	10									
ES 35/K/ST BG	50									
2828.0	50									
12K2 8										
2773.0	1									
		SDB 0.8 x 4.0		SDB 0.8 x 4.0		SDB 0.8 x 4.0				
		1087.0	1	1087.0	1	1087.0 1				
PMC SB 6/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH				
4702.7	500	4702.7 50	00	4702.7 5	500	4702.7 500				

## Connection security has a name: Our stud connection system HSK

The range of **HSK** stud terminals from CONTA-CLIP offers secure connections for all energy-transmitting applications. The stable connection, low voltage drop and the use of self-extinguishing material ensure a high level of security.

Stud connection system



**User-friendly handling** facilitates installation

**Cost-optimised line of accessories** reduces inventory costs

# For all energy-intensive applications: The HSK stud terminal programme





The wide-range of products is suitable for all applications in which energy is transmitted. Depending on the conductor cross-section, stud terminals with threaded studs from **M5** to **M12** can be used. The rated current is from 76 A to 269 A with a rated voltage of 1000 V. The wire connection range is from 0.2 mm<sup>2</sup> to 120 mm<sup>2</sup>. Wires with crimped cable lugs are applied to threaded bolts and then connected securely by tightening the hex nut. Optimal security is guaranteed by the low voltage drop and by the use of self-extinguishing material with a V-0 (UL94) flammability rating.

Designed for mounting onto **TS 35** DIN rails, the stud terminals can be adapted with accessories such as **TW** partitions and **AD** covers to suit application requirements. These products are easy to use. They also stand out with their cost-optimised line of accessories which results in reduced storage costs and assembly times.

#### The advantages:

- Safe and versatile connection system
- Multi-wire connection through several cable lugs is possible
- Simple cross-connection options
- Convenient installation of the touch guard
- Comprehensive marking options

#### **Features:**

- Stud connection system
- Feed-through terminals from 35 to 300 mm<sup>2</sup>
- Screwable cross-connection rails
- High contact force and contact security
- Material: PA 6.6 UL 94 V-0

# Distinctive features



#### a Base terminal HSK

Polyamide PA6.6 UL 94, flamm. class V-0, self-extinguishing without burning drops

#### **b** Partition plates TW

Special **TW** partitions can be securely snapped into the terminal housing. This allows for good visual and electrical separation of the terminals. In addition, they are ready for fitting with snap-on covers.

#### C Covers AD

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

#### d End stop ES 35/K/ST

The **ES 35/K/ST** end stops grip both sides of the DIN rail with steel clamps. They are a secure method of mechanical attachment in terminal rail design. The plastic PA -6.6 housing of the brackets encapsulates the metal parts.

#### e Labelling | Marking

The stud terminals have a labelling surface which is optimally suited for our Pocket-Maxicard **PMC (PMC BSTR 6/30)** standard marking systems.

### Handling

#### HSK terminals with one stud:

Up to four wires can be connected easily. Cable lugs are crimped onto the wire ends to facilitate the connection. The cable lugs should be aligned opposite each other when there are multiple lugs per side. When the nut is tightened, the flats of the cable lugs clamp together and a secure connection is ensured.

#### HSK terminals with two studs:

Cable lugs are crimped onto the wire ends to facilitate the connection. The cable lugs are placed on the studs between the shake-proof washer and the busbar. The cable lugs should be aligned opposite each other when there are two lugs per stud. When the nut is tightened, the flats of the cable lugs clamp together and a secure connection is ensured.

# The features in detail

#### **Stud connection**

- Stud sizes from M5 to M12
- Wire with cable lug acc. to DIN 46234: up to 300 mm<sup>2</sup>
- Four cable lugs can be connected per stud

#### Easy to use

- Single-stud terminals: Put the cable lug on the stud between the base washer and the shake-proof washer
- Double-stud terminals: Put the cable lug on the stud between the busbar and the shake-proof washer
- By tightening the steel nut, the cable lugs forms a contact with the other cable lug or with the busbar. (B/B versions)

#### **Cross-connections**

- 2 -pole and 3-pole version
- Possible to distribute potentials between the different sizes
- Designed for the rated current of the corresponding stud terminal
- Speedy distribution of potentials helps save time

# Terminal holder made of polyamide 6.6 V-0

- Self-extinguishing UL 94 V-0
- Creepage-current protected, CTI = 600
- Temperature resistance –40 °C to +120 °C
- Halogen-free, silicone-free, phthalate-free
- Meets the requirements of EN 45545-2, NFF 1601 F and NFF 1601 I

#### Safe to handle

■ Touch-protection provided by partitions and yellow covers

#### Secure contacts

- Maintenance-free; subsequent tightening of the nut is not needed
- High contact strength and vibration resistant because of the safety/ spring washer
- Direct contact of cable lugs, or contact via copper busbar







#### Standards

The following standard terminal block requirements are fulfilled:

- EN 60947-7-1
- EN 50124-1
- DIN EN 61373

# Handling and accessories

#### The use of TW partition plates

The **HSK...B** single-stud terminals and the **HSK...B/B** double-stud versions make use of two **TW** partitions. The partitions can be adjusted to the rated cross-section by using the predetermined breakage points. For your further assistance, the **TW** partitions list the cross-section range and additional dimension lines. Remember that the clearance and creepage distances for a rated voltage of 1000 V, and dependent on the corresponding cross-section, must be followed.





Simple breaking off of the TW partition

# Snapping on the partition plates to the HSK high-power stud terminals

You can snap on the **TW** partition plates and the **HSK** stud terminals by using the locking pegs on the partition. The pegs lock into the foot of the stud terminals.

#### Using the AD covers

An individual **AD** cover is available for each width of stud terminal. Their length takes into consideration the creepage and clearance distances on the twin-stud terminals. If the covers are to be used with the one-stud versions, you can shorten the cover by breaking it along the breakage points. For your further assistance, the **AD** covers have additional dimension lines on them. Locking pegs are used to mount the **AD** cover. The cover snaps in securely from above to the **TW** partition plates. Thus a high degree of touch-safety is guaranteed.



HSK installed with TW partition plate and AD cover



TW partition with dimension lines



Snapping together the TW partition with a high-power HSK stud terminal



Simple breakage with the AD cover



AD cover with dimension lines

#### High-power stud terminals HSK

Stud connection system		HSK 16/M5 B			HSK 35	/M6 B		HSK 50/M8 B			
Foot base can be snapped on TS 35 DIN rail											
<ul> <li>Stud connection</li> <li>Housing made of polyamide 6.6 LH, 04 V, 0</li> </ul>			1								
• Housing made of polyamide 6.6 OL 94 V-0			A			<u></u>			<u></u>		
			Nur Par			A vert			A THE R		
		6						6			
				M 5			M 6			M 8	
Connection diagram											
			$\bigcirc$			$\bigcirc$			$\bigcirc$		
			$\bigcirc$			$\bigcirc$			$\bigcirc$		
Description		High-pow	ver terminal		High-pow	ver terminal		High-pov	ver terminal		
		1 connect	tion		1 connect	tion		1 connec	tion		
Wire connect type		Stud conr	nection		Stud conr	nection		Stud con	nection		
Size (L x W x H) with TS 35 x 7.5 mm		67 x 13 x	55.5		67 x 16 x	55.5		67 x 21 x	63.5		
Size (L x W x H) with TS 35 x 7.5 mm with TW/AH		67 x 13 x	58		67 x 16 x	58		67 x 21 x 66			
Type / colour	-	HSK 16/N	M5 B BG 🔴		HSK 35/N	/16 B BG 🛑		HSK 50/I	vi8 B BG 🛑		
Cat. no.	Qty.	17000.2		10	17001.2		10	17002.2		10	
Ratings		IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA	
Rated voltage (V)		1000	1000	1000	1000	1000	1000	1000	1000	1000	
Rated current (A)		/0	60	60	125	115	115	150	125	125	
Rated wire cross-section, mm <sup>2</sup> / Awg		10/10-0	)		33/14-2	-		30/14-	/0		
Plug gauge acc. to EN 60.947.1 / Elamm. class acc. to LIL 94		/// 0			/// 0			/// 0			
Connection data		-/ V-0			- / V-0			- / V-0			
Clamping range, mm <sup>2</sup>		≤ 16			≤ 35			≤ 50			
Stud size		M 5			M 6			M 8			
Clampable cable lug											
DIN 46234/1 cable lug per side mm		0.1-16			2.5-35			2.5-50			
DIN 46234/2 cable lugs per side mm		0.1-16			2.5 – 35			2.5-50			
DIN 46235/1 cable lug per side mm		6.0-10			6.0-35			6.0-35			
DIN 46235/2 cable lugs per side mm		6.0-10			6.0-25			6.0-35			
Torque, Nm		2.0-4.0,	8.5		3.0-6.0,	12.4		6.0–12,	16.9		
Features											
Material of insulated housing   Temperature range		PA 6.6 /	40 °C to +120	0°C	PA 6.6 /	40 °C to +120	)°C	PA 6.6 / -	40 °C to +120	°C	
Number of cross-connection channels / Test pick-off option	_	I / -			1/-			1/-			
Accessories		THU 1 C 12	20.00		THU 1 C 1 C			THU 1 C 1			
Cert inc	<b>01</b> -1	17010 2	20 BC	20	17010 2	20 BC	20	1 7019 2	20 BC	20	
Cal. 110. Partition plate TW/ up to 1000 V for insul, cable lugs	Qty.	17018.2		20	17018.2		20	17018.2		20	
Cat no	Otv										
Cover profile AD	Qty.				AD 25 VE						
Cat no	Otv	17019.8	•	20	17020 8		20	17021 8	•	20	
Cross-connection Q 2-pole	Qty.	05 2/16		20	05 2/35		20	05 2/50		20	
Cat no	Otv.	17008.0		10	17010.0		10	17012.0		10	
Cross-connection O. 3-pole	Qty.	05 3/16			05 3/35			OS 3/50			
Cat. no.	Otv.	17009.0		10	17011.0		10	17013.0		10	
Cross-connection Q from M6 to M8, 2-pole	~				OS 2 HSK	35/M6 - M8	3	OS 2 HS	( 35/M6 - M8		
Cat. no.	Qty.				17028.2		1	17028.2		1	
Cross-connection Q from M6 to M10, 3-pole					QS 3 HSK	35/M6 - M1	0/2				
Cat. no.	Qty.				17029.2		1				
End stop ES		ES 35/K/	ST BG		ES 35/K/	ST BG		ES 35/K/	ST BG		
Cat. no.	Qty.	2828.0		50	2828.0		50	2828.0		50	
Quick marking PMC SB		PMC SB (	6/50 WH		PMC SB 6	5/50 WH		PMC SB	6/50 WH		
Cat. no.	Qty.	4702.7		500	4702.7		500	4702.7		500	

#### Stud connection system

HSK 12	0/M10 B		HSK 120/M12 B			HSK 35	/M6 B/B		HSK 50	/M8 B/B		HSK 120/M10 B/B		
6		M 5	M6			é		M 6			M 8			M 10
	0			0		(	)—0		(	)—0		(	)—С	)
High-pow 1 connect	er terminal tion		High-pow 1 connect	ver terminal tion		High-pow 2 connec	ver terminal tions		High-pov 2 connec	ver terminal tions		High-pov 2 connec	ver terminal tions	
Stud conn	nection		Stud conr	nection		Stud con	nection		Stud con	nection		Stud con	nection	
67 x 32 x	73.5		67 x 32 x	73.5		67 x 16 x	55.5		67 x 21 x	63.5		67 x 32 x	73.5	
67 x 32 x	76		67 x 32 x	76		67 x 16 x	61.5		120 x 21	x 71.5		156 x 32	x 78.5	
HSK 120/	M10 B BG 🌘		HSK 120/	/M12 B BG (		HSK 35/M	M6 B/B BG		HSK 50/I	VI8 B/B BG 🌘		HSK 120	/M10 B/B B0	G 🔴
17003.2		10	17004.2		10	17005.2		10	17006.2		10	17007.2		10
IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
269	255	220	269	255	220	125	110		150	150		269	225	225
120/10-	Kcmil 250		120/10-	Kcmil 250		35/14-2	2		50/14-1	/0		120/10-	Kcmil 250	
8/3			8/3			8/3			8/3			8/3		
- / V-0			- / V-0			- / V-0			- / V-0			- / V-0		
≤ 120			≤ 120			≤ 35			≤ 50			≤ 120		
M 10			M 12			M 6			M 8			M 10		
6-120			6-120			2.5-35			2.5-50			6-120		
6-120			6-120			2.5-35			2.5-50			6-120		
10-95			10-95			6.0-25			6.0-35			10-95		
10-95			10-95			6.0-25			6.0-35			10-95		
10-20, 2	0.0		14-31, 2	0.0		3.0-6.0,	12.4		6.0–12,	16.9		10-20, 2	0.9	
PA 6.6 / -4	40 °C to +120	0°C	PA 6.6 /	40 °C to +120	0 °C	PA 6.6 / -	40 °C to +12	0 °C	PA 6.6 / -	40 °C to +120	) °C	PA 6.6 / -	40 °C to +12	0 °C
1/-			1/-			1/-			1/-			1/-		
TW 35-12	20/B/B BG		TW 35-12	20/B/B BG		TW 35-12	20/B/B BG		TW 35-12	20/B/B BG		TW 35-12	20/B/B BG	
17022.2		20	17022.2		20	17022.2		20	17022.2		20	17022.2		20
TW 16-12	20 BG		TW 16-12	20 BG										
17018.2		20	17018.2		20									
AD 120 Y	E		AD 120 Y	Έ		AD 35 YE	1		AD 50 YE			AD 120 Y	Έ	
17026.8		20	17026.8		20	17020.8		20	17021.8		20	17026.8		20
QS 2/120	/10		QS 2/120	0/12		QS 2/35			QS 2/50			QS 2/120	0/10	
17014.0		10	17016.0		10	17010.0		10	17012.0		10	17014.0		10
QS 3/120	/10		QS 3/120	0/12		QS 3/35			QS 3/50			QS 3/120	0/10	
17015.0		10	17017.0		10	17011.0		10	17013.0		10	17015.0		10
						QS 2 HSF 17028.2	K 35/M6 - M8	8 1	QS 2 HSP 17028.2	( 35/M6 - M8	3 1			
<b>O3 HSK 3</b>	5/M6-M10	/2				OS 3 HSF	( 35/M6 - M	10/2	. / 020.2			OS 3 HS	( 35/M6 - M	10/2
17029.2		1				17029.2		1				17029.2		1
ES 35/K/9	ST BG		ES 35/K/	ST BG		ES 35/K/	ST BG		ES 35/K/	ST BG		ES 35/K/	ST BG	
2828.0		50	2828.0		50	2828.0		50	2828.0		50	2828.0		50
PMC SB 6	5/50 WH		PMC SB	6/50 WH		PMC SB	6/50 WH		PMC SB	6/50 WH		PMC SB	6/50 WH	
4702.7		500	4702.7		500	4702.7		500	4702.7		500	4702.7		500

### CONTA-CLIP presents: HSKG - the newest generation of stud terminals

Connection security at the highest level - this is what the new generation of stud terminals from the HSKG range offers. This connection system opens up maximum flexibility.



**Maximum connection security** for all applications

Designed for a **rated voltage up to 1000 V** 

High degree of contact protection due to hinged cover

# High flexibility for a wide variety of applications: **the range of HSKG products**





Depending on the wire cross-section, the **HSKG** stud terminals can be used with M6, M8, M10, M12 and M16 threaded studs.

The rated current is from 125 A to 520 A with a rated voltage of 1000 V. The wire connection range is from 2.5 mm<sup>2</sup> to 300 mm<sup>2</sup>. Wires with crimped cable lugs are applied to threaded bolts and then connected securely to the busbar by tightening the hex nut. Optimal security is guaranteed by the low voltage drop and by the use of self-extinguishing material with a V-0 (UL94) flammability rating.

When used together with the **ADH** hinged covers, the **HSKG** stud terminals provide outstanding finger and touch protection. The **ADH** cover is easy to mount; it simply snaps into the side walls of the stud terminals as it is closed. In this quick and reliable way, touch-safe protection of the terminal points is always guaranteed.

#### The advantages:

- Safe and versatile connection system
- Multi-wire connection through several cable lugs is possible
- Simple cross-connection options
- Convenient installation of the touch guard
- Comprehensive marking options

#### **Features:**

- Stud connection system
- Feed-through terminals from 35 to 300 mm<sup>2</sup>
- Screwable cross-connection rails
- High contact force and contact security
- Material: PA 6.6 UL 94 V-0

# Distinctive features



#### a Base terminal HSKG

CONTA-CLIP stud terminals can be arranged as required on standard **TS 35** DIN rails in accordance with EN 60715. Direct mounting is possible.

#### **b** Measurement port

The **ADH** cover has an opening used to measure the voltage.

#### c Covers ADH

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

### Handling

#### HSKG terminals with two studs:

Cable lugs are crimped onto the wire ends to facilitate the connection. The cable lugs are placed on the studs between the shake-proof washer and the busbar. The cable lugs should be aligned opposite each other when there are two lugs per stud. When the nut is tightened, the flats of the cable lugs clamp together and a secure connection is ensured.

#### **Standards**

The following standard terminal block requirements are fulfilled:

- EN 60947-7-1
- EN 50124-1
- DIN EN 61373

#### Terminal holders and covers made from polyamide 6.6 V-0

- Self-extinguishing UL 94 V-0
- Creepage-current protected, CTI = 600
- Temperature resistance –40 °C to +120 °C
- Halogen-free, silicone-free, phthalate-free
- Meets the requirements of EN 45545-2, NFF 1601 F and NFF 1601 I

#### d End stop ES 35/K/ST

The **ES 35/K/ST** end stops grip both sides of the DIN rail with steel clamps. They are a secure method of mechanical attachment in terminal rail design. The plastic PA-6.6 housing of the brackets encapsulates the metal parts.

#### e Labelling | Marking

The stud terminals have a labelling surface which is optimally suited for CONTA-CLIP's **PMC** Pocket-Maxicard standard marking systems.

# The features in detail

#### **Stud connection**

- Stud sizes: M6, M8, M10, M12 to M16
- Wire with cable lug, according to DIN 46234, up to 300 mm<sup>2</sup>
- One or two cable lugs can be connected per stud

#### Easy to use

- Place cable lugs on the stud
- By tightening the steel nut, the cable lugs forms a contact with the other cable lug or with the busbar.



**Connecting the wire** 

#### Secure contacts

- Maintenance-free; subsequent tightening of the nut is not needed
- High contact strength and vibration resistance provided by the safety/ spring washer and combi-nut
- Direct contact of cable lugs, or contact via copper busbar



**Additional bolting options** 

#### **Mounting options**

- Sliding lock on both sides: can be attached to **TS35** DIN rail
- Direct mount possible using the integrated slots in the housing base



TS mount / direct mount

# Handling and accessories

#### **Cross-connections**

- 2 -pole and 3-pole version
- Possible to distribute potentials between the different sizes
- Designed for the rated current of the corresponding stud terminal
- Speedy distribution of potentials helps save time



**Attaching the cross-connections** 

#### Labelling and testing

- Mounting positions for standard markers
- Openings in the **ADH** covers for measuring voltage



Labelling options PMC and voltage measurement opening

#### Using the ADH covers

An individual **ADH** cover is available for each width of stud terminal. Their length takes into consideration the creepage and clearance distances. It is possible to shorten the covers using the predetermined breaking points. The **ADH** cover is attached by pressing the cover down onto the base terminal so that the cover snaps onto the terminal.



ADH open



**ADH closed** 

#### HSKG high-power stud terminals

Stud connection system		HSKG 35/M6/B/B			HSKG 70/M8/B/B			HSKG 120/M10/B/B			
<ul> <li>Foot base can be snapped on TS 35 DIN rail</li> <li>Direct mounting</li> <li>Stud connection</li> <li>Housing made of polyamide 6.6 UL 94 V-0</li> </ul>			E E		the second	H H					
Connection diagram						C					
							,				
Dimensional diagram											
Wire connect type		Stud conne	ection		Stud conn	ection		Stud connection			
Size (L x W x H) with TS35 x 7.5 mm		107 x 27 x	51		132 x 32 >	(61		133 x 42 x 72			
Size (L x W x H) with TS35 x 7.5, including ADH on both sides		131 x 27 x 60			180 x 32 x	(70)		226 x 42 x 80			
Type / colour		HSKG 35/M6/B/B BG			HSKG 70/M8/B/B BG			HSKG 12	0/M10/B/B B0		
Cat. no.	Otv.	17170.2		10	17035.2		10	17023.2	-,,_,_,	5	
Ratings	~ )	IEC	UL	cUL	IEC	UL	cUL	IEC	UL	cUL	
Rated voltage (V)		1000	1000	1000	1000	1000	1000	1000	1000	1000	
Rated current (A)		125	115	130	192	175	170	269	310	310	
Rated wire cross-section, mm <sup>2</sup> / AWG		35/14-2			70/14-0	D		120/10-	Kcmil 250		
Rated surge voltage kV / Contamination degree		8/3			8/3			8/3			
Flamm. class acc. to UL 94		V-0			V-0			V-0			
Connection data											
Clamping range, mm <sup>2</sup>		2.5-50			2.5-95			≤ 120			
Stud size		M 6			M 8			M 10			
Clampable cable lug											
DIN 46234 / 1 cable lug per side, mm <sup>2</sup>		2.5-50			2.5-95			6-150			
DIN 46234 / 2 cable lugs per side, mm <sup>2</sup>								6-120			
DIN 46235 / 1 cable lug per side, mm <sup>2</sup>		6-25			16-70			16-150			
DIN 46235 / 2 cable lugs per side, mm <sup>2</sup>								16-120			
Torque, Nm		3-6			6-12			10-20			
Features											
Material of insulated housing   Temperature range		PA 6.6 / -40	0 °C to +120 °	С	PA 6.6 / -4	0 °C to +120 °C	2	PA 6.6 / -4	40 °C to +120	,C	
Accessories			_								
Cover profile ADH		ADH 35 BC	J		ADH 70 B	G		ADH 120	BG		
Cat. no.	Qty.	1/2/5.2		20	1/268.2		20	17025.2		10	
Cover profile ADH	•	ADH 35 BU	J		ADH 70 B	U		ADH 120	BO		
Cat. no.	Qty.	1/2/5.5		20	1/268.5	-	20	17025.5		10	
Cover profile ADH	04.	ADH 35 YE	1	20	ADH /0 Y	E	20	ADH 120	YE	10	
Cal. No.	Qty.	1/2/3.8		20	1/200.0		20	1/025.8	/10	10	
QS cross-connection rail	04.	QS 2/35/6		10	QS 2/70/0	<b>&gt;</b>	10	QS Z/120	/10	10	
Cal. No.	Qty.	1/2/0.0		10	1/209.0	<b>,</b>	10	05 2/120	/10	10	
	Oth	17277 0		10	17270.0		10	17242 0	/10	10	
End stop ES	Qty.	EC 25/K/CT	TRC	10	FS 35/P/S	TRC	10	ES 25/V/	STRC	10	
	Otv	2828 0		50	2828 0	T BG	50	2828 0	51 00	50	
Quick marking PMC SB	Qty.	PMC SR 6/	50 WH	30	DMC SP 6	/50 WH	30	DMC SP 4	5/50 WH	30	
Cat no	Otv	4702 7	55 WH	500	4702 7	,55 111	500	4702 7	, 50 101	500	
cut no.	Qty. 4702.7 500 4702			1102.1		500	<b>J</b> 4702.7 <b>J</b> 00				

HSKG 185/M12/B/B	HSKG 300/M16/B/B				
O	OO				
Stud connection		Stud connection			
164 x 55 x 78	164 x 55 x 86				
288 v 55 v 90	200 v 55 v 00				
200 X JJ X 90					
17024.2	2	1/02/.2 5			
	00	IEC UL CUL			
1000 1000 10	00	1000 1000 1000			
353 380 36	0	<u>520</u> 510 510			
185/10-KCMII 500		300/10-Kcmii 600			
8/3		8/3			
V-0		V-0			
≤ 185		≤ 300			
M 12		M 16			
10-240		25-240			
10–185		50-240			
25-240		50-300			
25–185		50-240			
14-31		25-60			
PA 6.6 / -40 °C to +120 °C		PA 6.6 / -40 °C to +120 °C			
ADH 185/300 BG		ADH 185/300 BG			
17123.2	10	17123.2 10			
ADH 185/300 BU		ADH 185/300 BU			
17123.5	10	17123.5 10			
ADH 185/300 YE		ADH 185/300 YE			
17123.8	10	17123.8 10			
OS 2/185/12		OS 2/300/16			
17243.0	10	17245.0 10			
OS 3/185/12		OS 3/300/16			
17244 0	10	17246.0 10			
ES 35/K/ST BG	10	FS 35/K/ST BG			
2828.0	50	2828.0 50			
PMC SB 6/50 W/H	50	PMC SB 6/50 WH			
4702 7	00	4702 7 500			
7/02./	.00	7/02./ 500			

### Types and catalogue numbers, alphabetic

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туре	Cat. no.	raye	iske d	2772.0	rage	OS 2/120/10	17015.0	raye
Α			1313.0	2772.0	42,	$Q_{3} \frac{3}{120} \frac{120}{10}$	17013.0	70
					+ <i>J</i> ,	QS 3/120/10	17242.0	/0
AD 1/150/B YE	2806.0	50	ISK2 8	2773 0	50	QS 3/120/12	17017.0	61
AD 1/240/B YE	2808.0	51	151(5)0	2775.0	51	QS 3/16	17009.0	60
AD 1/50/B YE	2810.0	50			0.	QS 3/185/12	17244.0	71
AD 1/95/B YE	2804.0	50	Μ			QS 3/300/16	17246.0	71
AD 120 YE	17026.8	61	MAC 150/240 BC	1125.2	50	QS 3/35	17011.0	60,
AD 16 YE	17019.8	60	MAG 130/240 BG	1123.2	51	•		61
AD 35 YE	17020.8	60	MAG 50 BG	1121.2	42	QS 3/35/6	17277.0	70
		61			43	QS 3/50	17013.0	60,
AD 50 YE	17021.8	60.			50.			61
		61			51	QS 3/70/8	17270.0	70
ADH 120 BG	17025.2	70	MAG 95 BG	1123.2	50,	D		
ADH 120 BU	17025.5	70			51	ĸ		
ADH 120 YE	17025.8	70	D			RK 150 BG	1124.2	50
ADH 185/300 BG	17123.2	71	P			RK 150 BK	1124.4	50
ADH 185/300 BU	17123.5	71	PMC SB 5/50 WH	4600.7	36	DK 150 BH	1124.5	50
ADH 185/300 BO	17123.3	71	PMC SB 6/50 WH	4702.7	37.		1124.5	50
ADIT 183/300 TE	17123.0	71			50,		1124.0	50
ADH 35 BG	1/2/5.2	70			51,	RK 240 BG	1126.2	51
ADH 35 BU	1/2/5.5	/0			60,	RK 240 BK	1126.4	51
ADH 35 YE	17275.8	70			61,	RK 240 BU	1126.5	51
ADH 70 BG	17268.2	70			70,	RK 240 GR	1126.6	51
ADH 70 BU	17268.5	70			71	RK 50 BG	1120.2	50
ADH 70 YE	17268.8	70	PMC SB 7,5/40 So WH	3327.7	14,	RK 50 BK	1120.4	50
AP 2.5-10 BG	2001.2	36.			22,	RK 50 BU	1120.5	50
,		37,			23,	RK 50 GR	1120.6	50
		38,			24,	RK 95 BC	1122.2	50
		39			25,		1122.4	50
AP 2,5-10 GN	2001.1	38,			20,	RK 93 DK	1122.4	50
		39	DNAC SR 7 5/40 WH	0226 7	14	KK 95 BU	1122.5	50
AQI 2/150 YE	2767.2	50	PIVIC 3B 7,3/40 WIT	9320.7	22	RK 95 GR	1122.6	50
AQI 2/50 YE	2763.2	50			22,	c		
AQI 2/95 YE	2765.2	50			24	2		
AOI 3/150 YE	2768.2	50			25,	SAD 1/12/B WH	17248.7	40,
AOI 3/240 YF	2770.2	51			26,			41
AOL 3/50 VE	2764.2	50			27	SAD 1/12/B YE	17249.8	40,
	2766.2	50	PMC SB 8/40 WH	9323.7	38,			41
AQI 3/33 TL	2700.2	50			39,	SAD 1/16/B WH	17282.7	41
F					40,	SAD 1/16/B YE	17281.8	41
		5.0			41,	SAD 1/18/B WH	17284.7	42
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		51	PTKS 4/1 GR	27080.6	14	SAD 1/27/B WH	17290.7	43
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	227 5.0	50	PTKS 4/SI 5x20 GR	27087.6	15	SAP 16/2A BG	17254.2	40
		51	PTKS 4/SI 6,3x32 GR	27088.6	15	SAP 16/2A GN	17254.1	40,
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		51,	PTKS-ADH 4/2 OG	27082.3	14	SDB 0,5x3,0	1085.0	14,
		60,	PTKS-ADH 4/3 GR	27083.6	14			15,
		61,	PTKS-ADH 4/3 OC	27083 3	14	(DD 0 ( ) 7 (	100 ( 0	36
		70,		27089.6	15	SDB 0,6x3,5	1086.0	22,
		71		27009.0	15			23,
н			PTKS-ADH 4/SI 5X20 OG	27069.5	15			24,
			PTKS-ADH 4/SI 6,3x32 GR	27090.6	15			23,
HSK 120/M10 B BG	17003.2	61	PTKS-ADH 4/SI 6,3x32 OG	27090.3	15			20,
HSK 120/M10 B/B BG	17007.2	61	0					37.
HSK 120/M12 B BG	17004.2	61	Q					38
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HSK 35/M6 B BG	17001.2	60			61			40,
HSK 35/M6 B/B BG	17005.2	61	QS 2/120/10	17014.0	61			51
HSK 50/M8 B BG	17002.2	60	QS 2/120/10	17241.0	70	SDB 1,2x6,5	1088.0	41
	17006.2	61	QS 2/120/12	17016.0	61	SES 35 BG	17250.2	36,
	17022.2	70	QS 2/16	17008.0	60			37,
	17023.2	70	QS 2/185/12	17243.0	71			38,
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1			OS 2/50	17012.0	60	SMAC 10/6 PC	17122.2	43
I.			_0 _, 0 0		61		17125.2	39
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		42,	QS 3 HSK 35/M6-M10/2	17029.2	60.	SMAG 35/6 BG	17148 2	41 41
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SO 120/4	17280.0	43	SRK 2 5/24 BC	17100 2	36	TK 4/3/F BC	1153.2	27
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SQ 70/3	17266.0	42	SRK 2,5/2A OG	17100.3	36	TK 4/4/F OG	1154.3	27
SQ 70/4	17267.0	42	SRK 2,5/2A RD	17100.9	36	TK 4/5 BG	1145.2	26
SQI 10/10 YE	17239.8	39	SRK 2,5/2A SAS BG	17119.2	36	TK 4/5 OG	1145.3	26
SQI 10/2 YE	17231.8	39	SRK 2,5/2A WH	17100.7	36	TK 4/5/F BG	1155.2	27
SQI 10/3 YE	17232.8	39	SRK 2,5/2A YE	17100.8	36	TK 4/5/F OG	1155.3	27
SOI 10/30 YE	17240.8	39	SRK 35/2A BG	17140.2	41	TK 4/6 BG	1146.2	26
SOI 10/4 YE	17233.8	39	SRK 35/2A BU	17140.5	41	TK 4/6 OG	1146.3	26
SOI 10/5 YE	17234 8	30	SRK 35/24/IS BC	17142.2	41	TK 4/6/F BC	1156.2	27
SQI 10/5 TE	17235.8	30	SPK 35/2//IS BU	17142.5	/1		1156.3	27
SQI 10/0 TE	17233.0	20	SRK 35/2A/13 DO	17141.0	41		1147.2	27
SQL10/7 FE	17230.0	29	SRN SS/ZA/Z DG	17141.2	41		1147.2	20
SQI TU/8 YE	1/23/.8	39	SKK 35/ZA/Z/IS BG	17143.Z	41	TK 4/7 OG	1147.3	26
SQI 10/9 YE	17238.8	39	SRK 4/2A BG	17104.2	37	TK 4/7/F BG	1157.2	27
SQI 16/2 YE	17247.8	40,	SRK 4/2A BK	17104.4	37	TK 4/7/F OG	1157.3	27
001 0 5 /4 0 V/5	17000 0	41	SRK 4/2A BU	17104.5	37	TK 4/8 BG	1148.2	26
SQI 2,5/10 YE	17209.8	36	SRK 4/2A GN	17104.1	37	TK 4/8 OG	1148.3	26
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SQI 2,5/3 YE	17202.8	36	SRK 4/2A OG	17104.3	37	TK 4/8/F OG	1158.3	27
SQI 2,5/30 YE	17210.8	36	SRK 4/2A RD	17104.9	37	TK 4/9 BG	1149.2	26
SQI 2,5/4 YE	17203.8	36	SPK $4/2A$ SAS BC	17116.2	37	TK 4/9 OC	1149 3	26
SQI 2,5/5 YE	17204.8	36		17104.7	37		1150.2	20
SOI 2.5/6 YE	17205.8	36		17104.7	27		1157.2	27
SOI 2 5/7 YE	17206.8	36	SRK 4/ZA YE	17104.0	3/		1139.3	27
SQI 2,5/9 TE	17207.8	36	SRK SU/ZA BG	1/156.2	42	TK 4/SI 5X20 BG	1139.2	27
SQI 2,5/8 TE	17207.0	26	SRK 50/2A BU	17156.5	42	TK 4/SI 5x20 OG	1139.3	27
SQI 2,3/9 TE	17200.0	20	SRK 6/2A BG	17108.2	38	TK 4/SI 5x25 BG	1140.2	27
SQI 35/2 YE	1/252.8	41	SRK 6/2A BK	17108.4	38	TK 4/SI 5x25 OG	1140.3	27
SQI 4/10 YE	17219.8	37	SRK 6/2A BU	17108.5	38	TKS 10/1 GR	17032.6	24
SQI 4/2 YE	17211.8	37	SRK 6/2A GN	17108.1	38	TKS 10/1 OG	17032.3	24
SQI 4/3 YE	17212.8	37	SRK 6/2A GR	17108.6	38	TKS 10/2 GR	17033.6	24
SQI 4/30 YE	17220.8	37	SRK 6/2A OG	17108.3	38	TKS 10/2 OG	17033.3	24
SQI 4/4 YE	17213.8	37		17108.9	38	TKS 10/2 CG	17046.6	24
SQI 4/5 YE	17214.8	37	SPK 6/2A SAS PC	17117.2	20	TKS 10/3 OC	17046 3	24
SOL 4/6 YE	17215.8	37		17117.2	20		17102 (	24
SOI 4/7 YE	17216.8	37	SRK 6/ZA VVH	17100.7	38	TKS 16/2 GR	17193.0	25
	17217.8	37	SRK 6/2A YE	1/108.8	38	TKS 16/2 OG	1/193.3	25
	17217.0	27	SRK 70/2A BG	17161.2	42	TKS 4/1 GR	1222.6	22
SQL4/9 TE	17210.0	57	SRK 70/2A BU	17161.5	42	TKS 4/1 OG	1222.3	22
SQI 6/TO YE	17229.8	38	SSL 10/2A GNYE	17115.2	39	TKS 4/1/F GR	1225.6	23
SQI 6/2 YE	17221.8	38	SSL 16/2A GNYE	17130.2	40	TKS 4/1/F OG	1225.3	23
SQI 6/3 YE	17222.8	38	SSL 16/2A/IS GNYE	17131.2	41	TKS 4/2 GR	1223.6	22
SQI 6/30 YE	17230.8	38	SSL 2,5/2A GNYE	17103.2	36	TKS 4/2 OG	1223.3	22
SQI 6/4 YE	17223.8	38	SSL 35/2A GNYE	17145.2	41	TKS 4/2/F GR	1226.6	23
SQI 6/5 YE	17224.8	38	SSL 35/24/IS GNIVE	17147 2	41	TKS 4/2/F OG	1226.3	23
SQI 6/6 YE	17225.8	38		17107.2	27		1224.6	22
SOL 6/7 YE	17226.8	38		17107.2	37	TK5 4/2 OC	1224.0	22
SOL 6/8 YE	17227.8	38	SSL SU/ZA GINTE	17156.2	42		1224.5	22
	17228.8	28	SSL 6/2A GNYE	1/111.2	38	TKS 4/3/F GR	1227.6	23
	17220.0	26	SSL 70/2A GNYE	17163.2	43	TKS 4/3/F OG	1227.3	23
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		37,	1			TKS 4/SI 5x20 OG	17030.3	25
		30,	TK 10 BG	1138.2	27	TKS 4/SI 5x25 GR	17047.6	25
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SPK 10/2A BK	17112 4	30	TK 10/ZP BG	1161.2	27	TKS 4/SI 6.3x32 GR	17031.6	25
	17112.4	30	TK 10/7P OG	1161.3	27	TKS 4/SI 6.3x32 OG	17031.3	25
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SKK TU/ZA GR	1/112.6	39		1171.3	20	TW 2.5-10 BG	2002.2	36
SRK 10/2A OG	17112.3	39		1150.0	20			37.
SRK 10/2A RD	17112.9	39	TK 4/1/F BG	1151.2	27			38,
SRK 10/2A SAS BG	17118.2	39	1K 4/1/F OG	1151.3	27			39
SRK 10/2A WH	17112.7	39	TK 4/10 BG	1150.2	26	TW 35-120/B/B BG	17022.2	61
SRK 10/2A YE	17112.8	39	TK 4/10 OG	1150.3	26			
SRK 120/2A BG	17165.2	43	TK 4/10/F BG	1160.2	27			
SRK 120/2A BU	17165.5	43	TK 4/10/F OG	1160.3	27			
SRK 16/24 BC	17124.2	40	TK 4/2 BG	1142.2	26			
SRK 16/2A BU	17124.5	40	TK 4/2 OG	1142.3	26			
	17124.5	40	TK 4/2/F BG	1152.2	27			
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1085.0	SDB 0,5x3,0	14,	1155.2	TK 4/5/F BG	27	3327.7	PMC SB 7,5/40 So WH	14,
		15,	1155.3	TK 4/5/F OG	27			22,
1086.0	SDB 0,6x3,5	22,	1156.2		27			24,
		23,	1156.3		2/			25,
		24,	1157.2		27			26,
		25, 26	1158.2	TK 4/8/F BC	27			27
		20, 27,	1158.3	TK 4/8/F OG	27	4		
		37,	1159.2	TK 4/9/F BG	27	4600.7	PMC SB 5/50 WH	36
4407 4		38	1159.3	TK 4/9/F OG	27	4702.7	PMC SB 6/50 WH	37.
1087.0	SDB 0,8x4,0	39, 40	1160.2	TK 4/10/F BG	27			50,
		-+0, 51	1160.3	TK 4/10/F OG	27			51,
1088.0	SDB 1,2x6,5	41	1161.2	TK 10/ZP BG	27			60, 61
1120.2	RK 50 BG	50	1161.3	TK 10/ZP OG	27			70,
1120.4	RK 50 BK	50	1222.3	TKS 4/1 OG	22			71
1120.5	RK 50 BU	50	1222.6	TKS 4/1 GR	22	0		
1120.6	RK 50 GR	50	1223.3	TKS 4/2 OG	22	9		
1121.2	MAG 50 BG	42,	1223.6	TKS 4/2 GR	22	9323.7	PMC SB 8/40 WH	38,
		43,	1224.3	TKS 4/3 OG	22			39, 40
		50,	1224.6	TKS 4/3 GR	22			40,
1122.2	RK 95 BG	50	1225.3		23			42,
1122.4	RK 95 BK	50	1225.6	TKS 4/1/F GR	23			43
1122.5	RK 95 BU	50	1226.3		23	9326.7	PMC SB 7,5/40 WH	14,
1122.6	RK 95 GR	50	1220.0	TKS 4/2/F GR	23			22,
1123.2	MAG 95 BG	50,	1227.5	TKS 4/3/F OG	23			24,
1124.2	DK 160 DC	51	1227.0	TK3 4/ 3/ F GK	23			25,
1124.2	RK 150 BG	50	2					26,
1124.4		50	2001.1	AP 2 5-10 GN	38			27
1124.5		50	2001.1	/// 2,5-10 GIV	39	17		
1124.0	MAC 150/240 BC	50	2001.2	AP 2,5-10 BG	36,	17000 2	HSK 16/M5 B BC	60
1123.2	WAG 130/240 BG	51			37,	17000.2		60
1126.2	RK 240 BG	51			38, 30	17002.2		60
1126.4	RK 240 BK	51	2002.2	TW 2.5-10 BG	36	17003.2	HSK 120/M10 B BG	61
1126.5	RK 240 BU	51		111 2,5 10 00	37,	17004.2	HSK 120/M12 B BG	61
1126.6	RK 240 GR	51			38,	17005.2	HSK 35/M6 B/B BG	61
1136.8	TK 4/1 YE/GN	26	2274.0	FD 50	39	17006.2	HSK 50/M8 B/B BG	61
1138.2	TK 10 BG	27	22/4.0	EP 50	42,	17007.2	HSK 120/M10 B/B BG	61
1138.3	TK 10 OG	27			43, 50.	17008.0	QS 2/16	60
1139.2	TK 4/SI 5x20 BG	27			51	17009.0	QS 3/16	60
1139.3	TK 4/SI 5x20 OG	27	2275.0	EP 95	43,	17010.0	QS 2/35	60,
1140.2	TK 4/SI 5x25 BG	27			50,	47044.0		61
1140.3	TK 4/SI 5x25 OG	27	2277.0	FP 150	50	1/011.0	QS 3/35	60, 61
1141.2		26	2277.0		51	17012.0	05 2/50	60
1141.3		26	2360.0	EP 240	51		232,30	61
1142.2	TK 4/2 BG	20	2763.2	AQI 2/50 YE	50	17013.0	QS 3/50	60,
1142.5	TK 4/2 OG	20	2764.2	AQI 3/50 YE	50	170140	00.0/100/10	61
1143.2	TK 4/3 OC	20	2765.2	AQI 2/95 YE	50	17014.0	QS 2/120/10	61
1144.2	TK 4/4 BC	20	2766.2	AQI 3/95 YE	50	17015.0	QS 3/120/10	61
1144.3	TK 4/4 OC	20	2767.2	AQI 2/150 YE	50	17016.0	QS 2/120/12	01
1145.2	TK 4/5 BG	26	2768.2	AQI 3/150 YE	50	17017.0	Q3 5/120/12	60
1145.3	TK 4/5 OG	26	2770.2	AQI 3/240 YE	51	17018.2	100 10-120 BG	61
1146.2	TK 4/6 BG	26	2772.0	ISKS 6	42,	17019.8	AD 16 YE	60
1146.3	TK 4/6 OG	26			45, 50	17020.8	AD 35 YE	60,
1147.2	TK 4/7 BG	26	2773.0	ISKS 8	50,			61
1147.3	TK 4/7 OG	26			51	17021.8	AD 50 YE	60,
1148.2	TK 4/8 BG	26	2804.0	AD 1/95/B YE	50	17022.2	TW/ 35-120/B/B BC	61
1148.3	TK 4/8 OG	26	2806.0	AD 1/150/B YE	50	17023.2	HSKG 120/M10/B/B BG	70
1149.2	TK 4/9 BG	26	2808.0	AD 1/240/B YE	51	17024.2	HSKG 185/M12/B/B BG	71
1149.3	TK 4/9 OG	26	2810.0	AD 1/50/B YE	50	17025.2	ADH 120 BG	70
1150.2	TK 4/10 BG	26	2818.0	ISKS 5	41, 42	17025.5	ADH 120 BU	70
1150.3	TK 4/10 OG	26			42, 50	17025.8	ADH 120 YE	70
1151.2	TK 4/1/F BG	27	2828.0	ES 35/K/ST BG	50,	17026.8	AD 120 YE	61
1151.3	TK 4/1/F OG	27			51,	17027.2	HSKG 300/M16/B/B BG	71
1152.2	TK 4/2/F BG	27			60,	17028.2	QS 2 HSK 35/M6-M8	60,
1152.3	IK 4/2/F OG	27			61,	4		61
1153.2	TK 4/3/F BG	27			70,	17029.2	QS 3 HSK 35/M6-M10/2	60,
1153.3	TK 4/3/F OG	27						61

## Notes





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