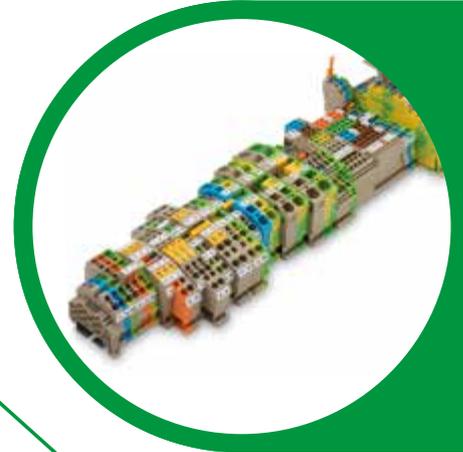


CONTA-CONNECT

Terminal blocks with
tension-spring connection



Catalogue 03

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CONTA-CLIP: thinking ahead for connection systems

CONTA-CLIP was founded in 1978. We operate globally as an owner-operated medium-sized company.

Users of electrical and electronic connection systems rely on our reliable products and our many years of industrial and global market expertise.

Our company is now one of the most important manufacturers in the field.

For over 40 years, our components and solutions have been used in various 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.

Over the years, we have evolved into an innovator that sets the tone with new ideas and creative impulses.

Our employees come from a wide variety of industries and view themselves as true connectivity specialists. They understand the specific problems, requirements and challenges of our customers. This results in communication among equals.

The profits then flow into the development of new products as well as into modern, efficient manufacturing processes.

A high quality standard throughout all departments is our number one priority.

Our top-class products are supported by this interplay between top-class men and machinery. We have also designed our range of services to align with customer needs.

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

We design customer-specific solutions for electronics, provide completely assembled housings and assemblies as needed, assemble terminal blocks for series production, and quickly handle component labelling tasks.

We greet these challenges with passion and enthusiasm, because we see each customer as our partner.

CONTA-CLIP customer representatives are always ready to offer their support to the customer, because service and helpfulness are rooted deeply in our corporate philosophy.

Advantage online: the CONTA-CLIP Online Catalogue

No matter where you are, as long as you're online you can access our digital catalogue to look at our services and quickly identify suitable solutions for your requirements.

Fast results Use the full-text search, enter an order number or use the convenient "step-by-step" feature search function.

Project planning at a glance: After you've selected the products, all the master data for the materials (sales data, technical data, drawings, connection diagrams, classifications and approvals) are made available as a data sheet or export file.

Detailed inquiries about components can be sent via the shopping cart directly to our headquarters. Upon request, you will receive an e-mailed copy of your inquiry.

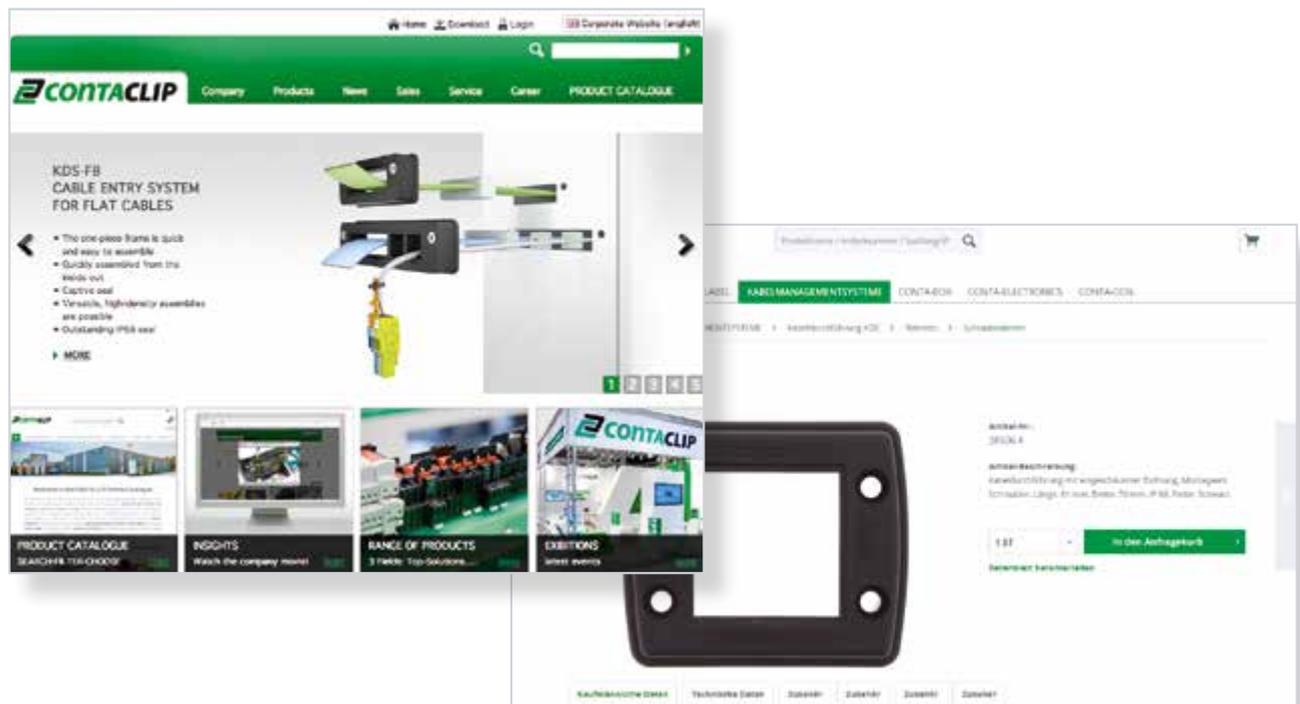
Application films: Complex functions be explained easily and clearly with sounds and images.

Printed catalogue: Would you like an offline overview? Please ask for our free printed catalogues.

Industry-specific: You will find the solutions that are relevant for your industry, according to your expertise.

Newsletter: Do you want to stay up to date? Subscribe to our newsletter! Simply register, confirm our authentication e-mail, and you'll be regularly informed about all CONTA-CLIP news.

Discover how the world of CONTA-CLIP and our website can deliver added value for you and your projects!



Globally available for you

Are you working abroad? No problem. Our worldwide sales and distribution partners help us to be globally networked and provide on-time reliable deliveries. Simply scan the QR code shown and you'll learn on our website about the sales partner responsible for your country.



Our locations in Africa

Algeria
Morocco

Our locations in Asia

Bahrain
China
Hong Kong
India
Israel
Jordan
Qatar
Malaysia
Oman
Pakistan
Saudi Arabia
Singapore
South Korea
Taiwan
Turkey
United Arab Emirates

Our locations in Oceania

Australia
New Zealand

Our locations in Europe

Belgium
Bulgaria
Denmark
Germany
Finland
France
Greece
Great Britain
Ireland
Iceland
Italy
Croatia
Latvia
Netherlands
Norway
Austria
Poland
Portugal
Romania

Russia
Sweden
Switzerland
Serbia
Slovakia
Slovenia
Spain
Czech Republic
Ukraine
Hungary
Belarus

Our locations in North America

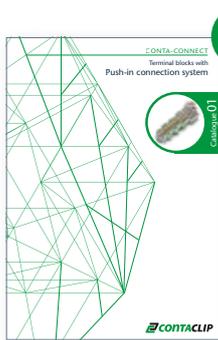
Canada
Mexico
United States

Our locations in South America

Bolivia
Brazil
Chile
Ecuador
Columbia

A complete line of products to meet your demands

The CONTA-CLIP Catalogues



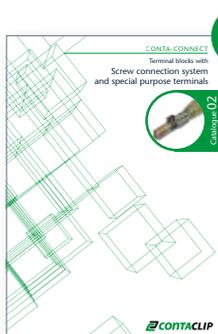
01 CONTA-CONNECT

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 mm² to 25 mm².



Cat. no. 98070.2



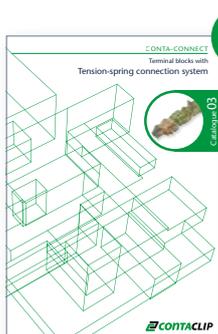
02 CONTA-CONNECT

Terminal blocks with screw connections and special terminals

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



Cat. no. 98071.2



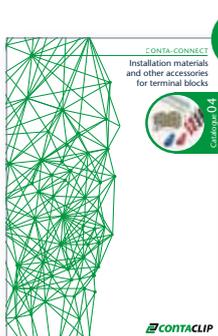
03 CONTA-CONNECT

Terminal blocks with tension-spring connection

Our versatile line of terminals with tension spring connections for conductor cross-sections from 0.2 mm² to 16 mm² 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



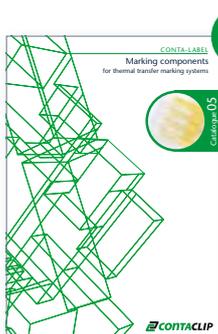
04 CONTA-CONNECT

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 holders, rail cutters and punching tools. The terminal block accessories include different versions of end stops, wire-end ferrules, and connectors.



Cat. no. 98073.2



05 CONTA-LABEL

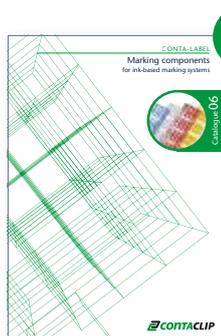
Marking components for thermal-transfer marking systems

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 switchgear cabinets.



Cat. no. 98074.2

Our catalogues are available in many languages!



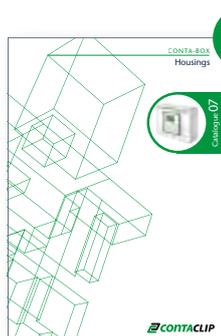
06 CONTA-LABEL

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 Maxicard format for self-printing with the EMS plotter system EMS or other ink-jet systems, or ready-to-use customized printed in the PMC Pocket-Maxicard format.



Cat. no. 98075.2



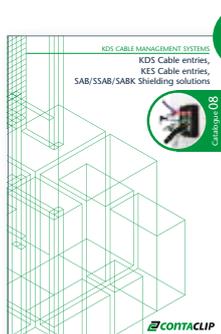
07 CONTA-BOX

Housings

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, the housings can be custom-processed and assembled with our CONTA-CONNECT, CONTA-ELECTRONICS and CONTA-CON product lines.



Cat. no. 98076.2



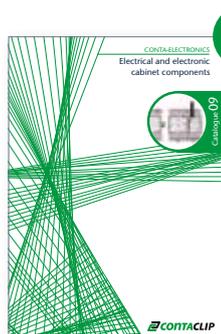
08 KDS CABLE MANAGEMENT SYSTEMS

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 shielded-connection clips can be used to provide a reliable shield contact with conductor diameters from 3 mm to 35 mm.



Cat. no. 98077.2



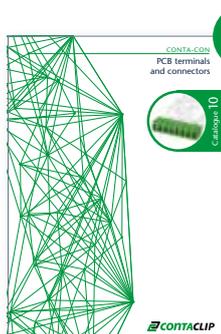
09 CONTA-ELECTRONICS

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.



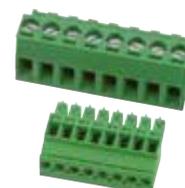
Cat. no. 98078.2



10 CONTA-CON

PCB terminals and connectors

This catalogue presents our wide variety of CONTA-CON PCB terminal blocks and connector systems. 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 termination.



Cat. no. 98079.2

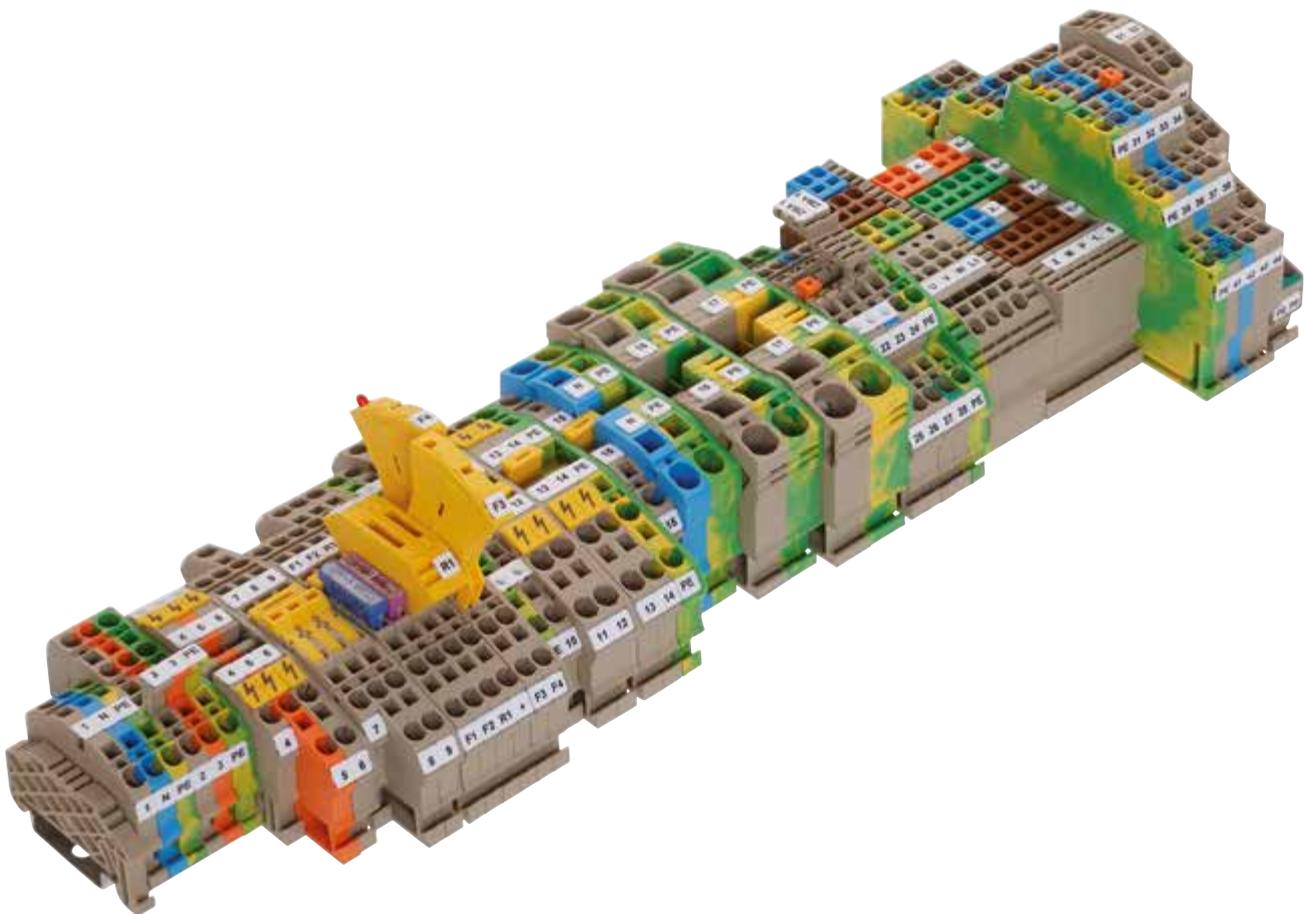
Tension-spring connection ZRK | ZSL



Tension-spring connection

CONTA-CLIP offers an innovative line of terminal blocks with the tension-spring connection system for the smallest cross-sections ranging from 0.2 mm² to 16 mm². This includes feed-through terminals, PE terminals, disconnect terminals, fused/disconnect terminals, actuator terminals, sensor terminals, motor-connection terminals and direct-mounting terminals. The tension-spring Top mechanism provides safe and quick connections for solid and stranded wires, with or without wire-end ferrules. The protective-earth terminals feature a PE foot contact that is snapped on, ensuring mechanical and electrical safety. The PE foot contact is on both sides of the PE terminals and can be snapped on to the DIN rail with no

screws. Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. You can multiply voltage potentials horizontally or vertically with the **ZQI** and **ZVQI** pluggable potential distribution systems. All of the insulating materials used in this product line are free of pollutants. They also comply with flammability class V-0 and are self-extinguishing, according to UL 94.



Your advantages

- Less wiring time
- More spacious connection space
- Double cross-connect option
- Power feed with small cross-sections
- Test pick-off at each potential
- Comprehensive marking options



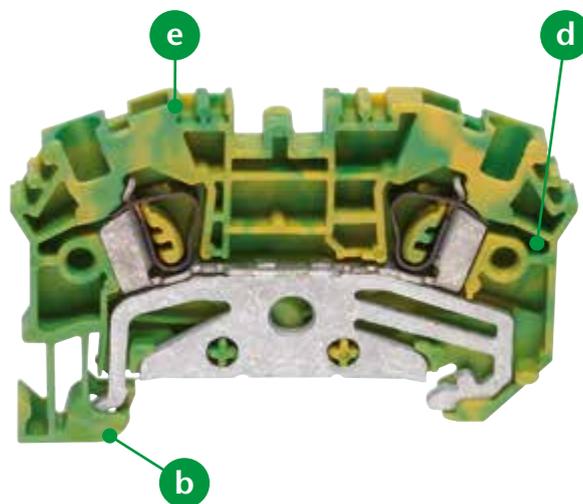
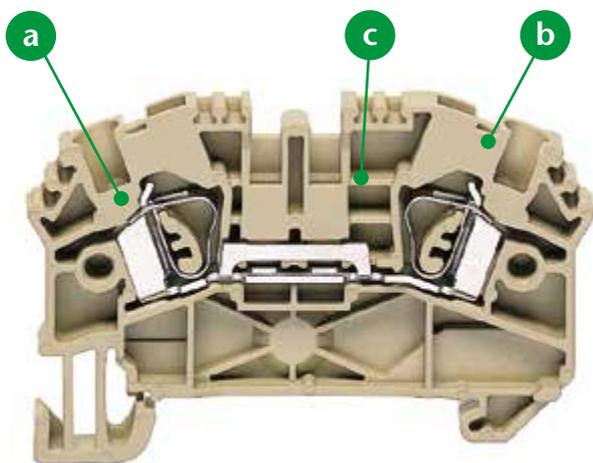
Features

- Tension-spring connection
- Feed-through and PE terminals up to 16 mm²
- Pluggable cross-connection system ZQI
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

Features

- a The wire connection / contact reliability**
 The tension-spring at the wire connection is held securely by the positioned busbar.
- The stainless steel spring provides permanent contact force between the wire and the busbar.
 - There is a clear separation of electrical and mechanical functions.
 - The busbars are made from copper with surface coating (tin).
 - Resistant to vibration and maintenance-free
 - Corrosion-free
 - Space-saving design
 - Foot base can be snapped on **TS 35** DIN rail

- b Quick and easy to wire**
 Less time spent wiring thanks to the easy-to-operate tension-spring connection mechanism.
- Easy to work with
 - Easy to operate, even under cramped working conditions, because of the TOP connection
 - Generous wire-entry geometry
 - Saves time and money
 - PE foot contact on both sides – can be snapped on (no screws) to **TS 35 x 7.5** and **TS 35 x 15** rails.



- c Pluggable cross-connection options**
 Distributing potentials with the pluggable **ZQI** 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 mm² and 4 mm².
- 
- Available in 2 – 10 and 99 poles (for custom assemblies)
 - Simple to insert and thus quicker to install
 - No insulation plate or partition plate is required between neighbouring cross-connections, since the **ZQIs** 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

- 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
 - Operating temperature from –40°C to +120°C

- e Marking options**
 Marking options are available for the standard terminals in 2.5 mm² to 16 mm².

An overview of the advantages

Less time needed for wiring | Compact shape

The tension-spring connect system – thanks to its Top connection and compact shape – provides an advantage when wiring in cramped working conditions.



More spacious connection space

The larger connection space offered by the **ZRK / ZSL** tension-clamp terminals speeds up wiring for solid or stranded 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.



Cross-connection system

The standard feed-through terminals in 2.5 mm² and 4 mm² feature two cross-connection channels. So the two-pole **ZQI.../2** cross-connectors can be used to connect any number of terminals with each other.



Potential distribution

The cross-connectors are available from 2 to 10 poles and with 99 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 mm² and 4 mm².



Skip-over bridging

It is possible to skip over terminal blocks by breaking out individual contact poles. The disconnected contact elements can be labelled by using the plastic insulation from the cross-connection.



Power feed with small cross-sections

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



An overview of the advantages

Vertical connection for multi-level terminals

The different levels of the double-level and triple-level terminal can be connected electrically using a vertical connector.



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.



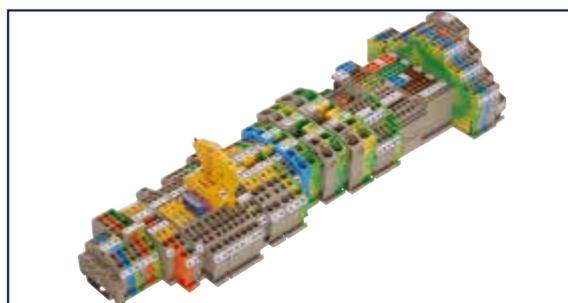
Additional marking options

In addition to the standard holder in the terminal housing, you can also label the multi-level terminals. The **ZBA** labelling adapter can be attached to the middle of the terminal housing – even when the terminal is wired up.



An effective and comprehensive range

The feed-through and PE terminals with cross-sections of 2.5 mm² and 4 mm² are available in two-wire, three-wire and four-wire versions. The product line also includes standard terminals and functional terminals including fused terminals, initiator terminals, disconnect terminals and direct-mounting terminals.



Testing assembled terminal blocks

The **ZTA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner. Wires with cross-sections from 0.5 mm² to 1 mm² can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.

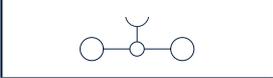
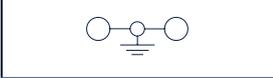
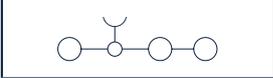


A comprehensive line of accessories

is available starting at page 86.

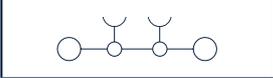
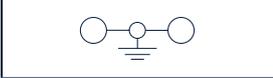
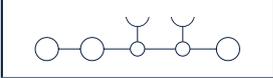
- DIN rails
- Mechanical attachment / End stops
- Group marker holders
- End plates / Visual separation
- Cross-connections (potential distribution)
- Covers
- Reducing sleeves
- Test adapter

Feed-through terminals ZSRK | Protective earth terminals ZSLN

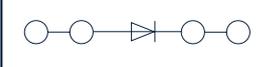
Tension-spring connection	ZSRK 2.5/2A/15	ZSLN 2.5/2A/15	ZSRK 2.5/3A/15
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 15 x 5.5 (Height with labelling adapter), in mm	40 x 5.1 x 34	40 x 5.1 x 34	52.5 x 5.1 x 34 (44)
Size (L x W x H) with TS 35 x 7.5 (Height with labelling adapter), in mm			
Type / colour	ZSRK 2.5/2A/15 BG 	ZSLN 2.5/2A/15 GNYE 	ZSRK 2.5/3A/15 BG 
Cat. no.	3585.2	3586.2	3599.2
Qty.	100	100	100
Type / colour	ZSRK 2.5/2A/15 BU 		ZSRK 2.5/3A/15 BU 
Cat. no.	3585.5		3599.5
Qty.	100		100
Type / colour	ZSRK 2.5/2A/15 OG 		ZSRK 2.5/3A/15 OG 
Cat. no.	3585.3		3599.3
Qty.	100		100
Type / colour	ZSRK 2.5/2A/15 RD 		
Cat. no.	3585.9		
Qty.	100		
Ratings			
Rated voltage (V)	IEC 800	UL 300	CSA 300
Rated current (A)	24	20	20
Rated wire cross-section, mm ² / AWG	2.5 / 20–12	2.5 / 20–12	2.5 / 20–12
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 ²	0.5–4 / -	0.5–4 / -	0.5–4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5
Clamping range, mm ²	0.08–4	0.08–4	0.08–4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	1 / 2	1 / 2
Accessories			
ZAP end plate	ZAP SR BG	ZAP SR BG	ZAP SR 3A/15 BG
Cat. no.	3757.2	3757.2	3794.2
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE		ZQI 2.5/2 YE
Cat. no.	3710.8		3710.8
Qty.	50		50
Insulated cross-connector ZQI	ZQI 2.5/3 YE		ZQI 2.5/3 YE
Cat. no.	3711.8		3711.8
Qty.	50		50
Insulated cross-connector ZQI	ZQI 2.5/4 YE		ZQI 2.5/4 YE
Cat. no.	3712.8		3712.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/5 YE		ZQI 2.5/5 YE
Cat. no.	3713.8		3713.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/6 YE		ZQI 2.5/6 YE
Cat. no.	3714.8		3714.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/7 YE		ZQI 2.5/7 YE
Cat. no.	3715.8		3715.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/8 YE		ZQI 2.5/8 YE
Cat. no.	3716.8		3716.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/9 YE		ZQI 2.5/9 YE
Cat. no.	3717.8		3717.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/10 YE		ZQI 2.5/10 YE
Cat. no.	3718.8		3718.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8		3719.8
Qty.	1		1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES	ZES 15 BG	ZES 15 BG	ZES 15 BG
Cat. no.	3812.2	3812.2	3812.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

ZSLN 2.5/3A/15	ZSRK 2.5/2A	ZSLN 2.5/2A	ZSRK 2.5/3A	ZSLN 2.5/3A
Protective earth terminal 3 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections	Protective earth terminal 3 connections
Tension-spring connection 52.5 x 5.1 x 34 (44)	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
	43.5 x 5.1 x 36.5	43.5 x 5.1 x 36.5	55 x 5.1 x 36.5 (46.5)	55 x 5.1 x 36.5 (46.5)
ZSLN 2.5/3A/15 GNYE 3601.2 100	ZSRK 2.5/2A BG 3583.2 100	ZSLN 2.5/2A GNYE 3584.2 100	ZSRK 2.5/3A BG 3600.2 100	ZSLN 2.5/3A GNYE 3602.2 100
	ZSRK 2.5/2A BU 3583.5 100		ZSRK 2.5/3A BU 3600.5 100	
	ZSRK 2.5/2A OG 3583.3 100		ZSRK 2.5/3A OG 3600.3 100	
	ZSRK 2.5/2A YE 3583.8 100			
	ZSRK 2.5/2A RD 3583.9 100			
IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA
	800 300 300		800 300 300	
	24 20 20		24 20 20	
2.5/20-12	2.5/20-12	2.5/20-12	2.5/20-12	2.5/20-12
8/3	8/3	8/3	8/3	8/3
A3/V-0	A3/V-0	A3/V-0	A3/V-0	A3/V-0
0.5-4/-	0.5-4/-	0.5-4/-	0.5-4/-	0.5-4/-
0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5
0.08-4	0.08-4	0.08-4	0.08-4	0.08-4
10	10	10	10	10
PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C
1/2	1/2	1/2	1/2	1/2
ZAP SR 3A/15 GN 3794.1 50	ZAP SR BG 3757.2 50	ZAP SR GN 3757.1 50	ZAP SR 3A/35 BG 3795.2 50	ZAP SR 3A/35 GN 3795.1 50
	ZQI 2.5/2 YE 3710.8 50		ZQI 2.5/2 YE 3710.8 50	
	ZQI 2.5/3 YE 3711.8 50		ZQI 2.5/3 YE 3711.8 50	
	ZQI 2.5/4 YE 3712.8 20		ZQI 2.5/4 YE 3712.8 20	
	ZQI 2.5/5 YE 3713.8 20		ZQI 2.5/5 YE 3713.8 20	
	ZQI 2.5/6 YE 3714.8 20		ZQI 2.5/6 YE 3714.8 20	
	ZQI 2.5/7 YE 3715.8 20		ZQI 2.5/7 YE 3715.8 20	
	ZQI 2.5/8 YE 3716.8 10		ZQI 2.5/8 YE 3716.8 10	
	ZQI 2.5/9 YE 3717.8 10		ZQI 2.5/9 YE 3717.8 10	
	ZQI 2.5/10 YE 3718.8 10		ZQI 2.5/10 YE 3718.8 10	
	ZQI 2.5/0.5 w/99 poles YE 3719.8 1		ZQI 2.5/0.5 w/99 poles YE 3719.8 1	
ZAD 2.5/4/B YE 3706.0 20	ZAD 2.5/4/B YE 3706.0 20	ZAD 2.5/4/B YE 3706.0 20	ZAD 2.5/4/B YE 3706.0 20	ZAD 2.5/4/B YE 3706.0 20
ZES 15 BG 3812.2 50	ZES 35/2 BG 3811.2 50	ZES 35/2 BG 3811.2 50	ZES 35/2 BG 3811.2 50	ZES 35/2 BG 3811.2 50
ZTA 2.5 BG 3740.2 10	ZTA 2.5 BG 3740.2 10	ZTA 2.5 BG 3740.2 10	ZTA 2.5 BG 3740.2 10	ZTA 2.5 BG 3740.2 10
BWMA 1 (0.5 x 3.5 mm) 3808.0 1	BWMA 1 (0.5 x 3.5 mm) 3808.0 1	BWMA 1 (0.5 x 3.5 mm) 3808.0 1	BWMA 1 (0.5 x 3.5 mm) 3808.0 1	BWMA 1 (0.5 x 3.5 mm) 3808.0 1
PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500

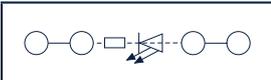
Feed-through terminals ZRK | Protective earth terminals ZSL

Tension-spring connection		ZRK 2.5/2A	ZSL 2.5/2A	ZRK 2.5/3A
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 				
Connection diagram				
Description		Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm		59 x 5.1 x 39	59 x 5.1 x 39	71.3 x 5.1 x 39
Type / colour		ZRK 2.5/2A BG 	ZSL 2.5/2A GNYE 	ZRK 2.5/3A BG 
Cat. no.	Qty.	3500.2 100	3510.2 100	3501.2 100
Type / colour		ZRK 2.5/2A BU 		ZRK 2.5/3A BU 
Cat. no.	Qty.	3500.5 100		3501.5 100
Type / colour		ZRK 2.5/2A OG 		ZRK 2.5/3A OG 
Cat. no.	Qty.	3500.3 100		3501.3 100
Type / colour		ZRK 2.5/2A YE 		ZRK 2.5/3A YE 
Cat. no.	Qty.	3500.8 100		3501.8 100
Type / colour		ZRK 2.5/2A RD 		ZRK 2.5/3A RD 
Cat. no.	Qty.	3500.9 100		3501.9 100
Ratings		IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)		800 600 600		800 600 600
Rated current (A)		24 27 27		24 27 27
Rated wire cross-section, mm ² / AWG		2.5 / 20 – 12	2.5 / 20 – 12	2.5 / 20 – 12
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 ²		0.5 – 4 / -	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²		0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²		0.08 – 4	0.08 – 4	0.08 – 4
Stripping length, mm		10	10	10
Features				
Material of insulated housing / Temperature range		PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option		2 / 2	0 / 2	1 / 2
Accessories				
ZAP end plate		ZAP 2.5/2A BG	ZAP 2.5/2A GN	ZAP 2.5/3A BG
Cat. no.	Qty.	3700.2 50	3700.1 50	3701.2 50
Insulated cross-connector ZQI		ZQI 2.5/2 YE		ZQI 2.5/2 YE
Cat. no.	Qty.	3710.8 50		3710.8 50
Insulated cross-connector ZQI		ZQI 2.5/3 YE		ZQI 2.5/3 YE
Cat. no.	Qty.	3711.8 50		3711.8 50
Insulated cross-connector ZQI		ZQI 2.5/4 YE		ZQI 2.5/4 YE
Cat. no.	Qty.	3712.8 20		3712.8 20
Insulated cross-connector ZQI		ZQI 2.5/5 YE		ZQI 2.5/5 YE
Cat. no.	Qty.	3713.8 20		3713.8 20
Insulated cross-connector ZQI		ZQI 2.5/6 YE		ZQI 2.5/6 YE
Cat. no.	Qty.	3714.8 20		3714.8 20
Insulated cross-connector ZQI		ZQI 2.5/7 YE		ZQI 2.5/7 YE
Cat. no.	Qty.	3715.8 20		3715.8 20
Insulated cross-connector ZQI		ZQI 2.5/8 YE		ZQI 2.5/8 YE
Cat. no.	Qty.	3716.8 10		3716.8 10
Insulated cross-connector ZQI		ZQI 2.5/9 YE		ZQI 2.5/9 YE
Cat. no.	Qty.	3717.8 10		3717.8 10
Insulated cross-connector ZQI		ZQI 2.5/10 YE		ZQI 2.5/10 YE
Cat. no.	Qty.	3718.8 10		3718.8 10
Insulated cross-connector ZQI		ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE
Cat. no.	Qty.	3719.8 1		3719.8 1
Four-way cover ZAD		ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	Qty.	3706.0 20	3706.0 20	3706.0 20
End stop ZES		ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	Qty.	3748.2 50	3748.2 50	3748.2 50
Test adapter ZTA		ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	Qty.	3740.2 10	3740.2 10	3740.2 10
Screwdriver / Metal actuating tool BWMA		BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	Qty.	3808.0 1	3808.0 1	3808.0 1
Quick marking PMC SB		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

Feed-through terminals with electronic components ZRK

Tension-spring connection		ZRK 2.5/2x2A/D1	ZRK 2.5/2x2A/D2	ZRK 2.5/2x2A/LED1
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 				
Connection diagram				
Description		Diode terminal 2 x 2 connections	Diode terminal 2 x 2 connections	LED indicator terminal 2 x 2 connections
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm		83.6 x 5.1 x 39	83.6 x 5.1 x 39	83.6 x 5.1 x 39
Type / colour		ZRK 2.5/2x2A/D1 BG ●	ZRK 2.5/2x2A/D2 BG ●	ZRK 2.5/2x2A/LED1(RD)/24 V DC BG ●
Cat. no.	Qty.	3504.2 100	3542.2 100	3505.2 100
Type / colour	Qty.			
Cat. no.	Qty.			
Type / colour	Qty.			
Cat. no.	Qty.			
Type / colour	Qty.			
Cat. no.	Qty.			
Ratings		IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)		800	800	24
Rated current (A)		24	24	< 5 mA
Rated wire cross-section, mm ² / AWG		2.5 / 20–12	2.5 / 20–12	2.5 / 20–12
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 ²		0.5–4 / -	0.5–4 / -	0.5–4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²		0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5
Clamping range, mm ²		0.08–4	0.08–4	0.08–4
Stripping length, mm		10	10	10
Diode		1N4007	1N4007	red LED
		Reverse voltage 1000 V / Current 1 A	Reverse voltage 1000 V / Current 1 A	Current via LED < 5 mA
Features				
Material of insulated housing / Temperature range		PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option		1 / 2	1 / 2	1 / 2
Accessories				
ZAP end plate		ZAP 2.5/4A BG	ZAP 2.5/4A BG	ZAP 2.5/4A BG
Cat. no.	Qty.	3702.2 50	3702.2 50	3702.2 50
Four-way cover ZAD		ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	Qty.	3706.0 20	3706.0 20	3706.0 20
End stop ZES		ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	Qty.	3748.2 50	3748.2 50	3748.2 50
Test adapter ZTA		ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	Qty.	3740.2 10	3740.2 10	3740.2 10
Screwdriver / Metal actuating tool BWMA		BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	Qty.	3808.0 1	3808.0 1	3808.0 1
Quick marking PMC SB		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

ZRK 2.5/2x2A/LED2



LED indicator terminal
2 x 2 connections

Tension-spring connection

83.6 x 5.1 x 39

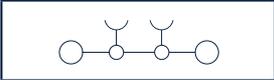
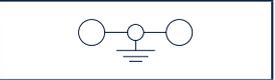
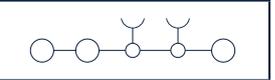
**ZRK 2.5/2x2A/
LED2(RD)/24V DC BG** ●
3543.2 **100**

IEC	UL	CSA
24		
< 5 mA		
2.5 / 20-12		
8 / 3		
A3 / V-0		
0.5-4 / -		
0.5-4 / 0.5-2.5		
0.08-4		
10		
red LED		
Current via LED < 5 mA		

PA6.6 / -40 °C to +120 °C
1 / 2

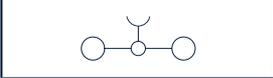
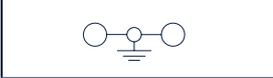
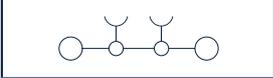
ZAP 2.5/4A BG	
3702.2	50
ZAD 2.5/4/B YE	
3706.0	20
ZES 35 BG	
3748.2	50
ZTA 2.5 BG	
3740.2	10
BWMA 1 (0.5 x 3.5 mm)	
3808.0	1
PMC SB 5/50 WH	
4600.7	500

Feed-through terminals ZRK | Protective earth terminals ZSL

Tension-spring connection	ZRK 4/2A	ZSL 4/2A	ZRK 4/3A						
<ul style="list-style-type: none"> • Foot can be snapped on TS 35 DIN rail • Housing made of polyamide 6.6 UL 94 V-0 									
Connection diagram									
Description	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections						
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection						
Size (L x W x H) with TS 35 x 7.5 mm	64 x 6.1 x 42	64 x 6.1 x 42	78.5 x 6.1 x 42						
Type / colour	ZRK 4/2A BG 	ZSL 4/2A GNYE 	ZRK 4/3A BG 						
Cat. no.	3515.2	3525.2	3516.2						
Qty.	100	100	100						
Type / colour	ZRK 4/2A BU 		ZRK 4/3A BU 						
Cat. no.	3515.5		3516.5						
Qty.	100		100						
Type / colour	ZRK 4/2A OG 		ZRK 4/3A OG 						
Cat. no.	3515.3		3516.3						
Qty.	100		100						
Type / colour	ZRK 4/2A RD 								
Cat. no.	3515.9								
Qty.	100								
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	35	35	32	35	35	32	35	35
Rated wire cross-section, mm ² / AWG	4 / 20–10			4 / 20–10			4 / 20–10		
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	A4 / V-0			A4 / V-0			A4 / V-0		
Connection data									
Single wire (solid) / stranded (flexible), mm ²	0.5–6 / -			0.5–6 / -			0.5–6 / -		
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–6 / 0.5–4			0.5–6 / 0.5–4			0.5–6 / 0.5–4		
Clamping range, mm ²	0.08–6			0.08–6			0.08–6		
Stripping length, mm	12			12			12		
Features									
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C			PA6.6 / –40 °C to +120 °C			PA6.6 / –40 °C to +120 °C		
Number of cross-connection channels / Test pick-off option	2 / 2			0 / 2			2 / 2		
Accessories									
ZAP end plate	ZAP 4/2A BG			ZAP 4/2A GN			ZAP 4/3A BG		
Cat. no.	3703.2		50	3703.1		50	3704.2		50
Insulated cross-connector ZQI	ZQI 4/2 YE		50				ZQI 4/2 YE		50
Cat. no.	3720.8						3720.8		
Insulated cross-connector ZQI	ZQI 4/3 YE		50				ZQI 4/3 YE		50
Cat. no.	3721.8						3721.8		
Insulated cross-connector ZQI	ZQI 4/4 YE		20				ZQI 4/4 YE		20
Cat. no.	3722.8						3722.8		
Insulated cross-connector ZQI	ZQI 4/5 YE		20				ZQI 4/5 YE		20
Cat. no.	3723.8						3723.8		
Insulated cross-connector ZQI	ZQI 4/6 YE		20				ZQI 4/6 YE		20
Cat. no.	3724.8						3724.8		
Insulated cross-connector ZQI	ZQI 4/7 YE		20				ZQI 4/7 YE		20
Cat. no.	3725.8						3725.8		
Insulated cross-connector ZQI	ZQI 4/8 YE		10				ZQI 4/8 YE		10
Cat. no.	3726.8						3726.8		
Insulated cross-connector ZQI	ZQI 4/9 YE		10				ZQI 4/9 YE		10
Cat. no.	3727.8						3727.8		
Insulated cross-connector ZQI	ZQI 4/10 YE		10				ZQI 4/10 YE		10
Cat. no.	3728.8						3728.8		
Four-way cover ZAD	ZAD 4/4/B YE		20	ZAD 4/4/B YE		20	ZAD 4/4/B YE		20
Cat. no.	3707.0			3707.0			3707.0		
End stop ZES	ZES 35 BG		50	ZES 35 BG		50	ZES 35 BG		50
Cat. no.	3748.2			3748.2			3748.2		
Test adapter ZTA	ZTA 4		10	ZTA 4		10	ZTA 4		10
Cat. no.	3741.2			3741.2			3741.2		
Screwdriver / Metal actuating tool BWMA	SDB 0.6 x 3.5		1	SDB 0.6 x 3.5		1	SDB 0.6 x 3.5		1
Cat. no.	1086.0			1086.0			1086.0		
Quick marking PMC SB	PMC SB 6/50 WH		500	PMC SB 6/50 WH		500	PMC SB 6/50 WH		500
Cat. no.	4702.7			4702.7			4702.7		

ZSL 4/3A			ZRK 4/4A			ZSL 4/4A		
Protective earth terminal 3 connections			Feed-through terminal 4 connections			Protective earth terminal 4 connections		
Tension-spring connection 78.2 x 6.1 x 42			Tension-spring connection 93 x 6.1 x 42			Tension-spring connection 93 x 6.1 x 42		
ZSL 4/3A GNYE			ZRK 4/4A BG			ZSL 4/4A GNYE		
3526.2 100			3517.2 100			3527.2 100		
			ZRK 4/4A BU					
			3517.5 100					
			ZRK 4/4A OG					
			3517.3 100					
IEC	UL	CSA	IEC	UL	CSA	IEC	UL	CSA
			800	600	600			
			32	35	35			
4/20-10			4/20-10			4/20-10		
8/3			8/3			8/3		
A4/V-0			A4/V-0			A4/V-0		
0.5-6/-			0.5-6/-			0.5-6/-		
0.5-6/0.5-4			0.5-6/0.5-4			0.5-6/0.5-4		
0.08-6			0.08-6			0.08-6		
12			12			12		
PA6.6/-40 °C to +120 °C			PA6.6/-40 °C to +120 °C			PA6.6/-40 °C to +120 °C		
0/2			2/2			0/2		
ZAP 4/3A GN			ZAP 4/3A BG			ZAP 4/4A GN		
3704.1 50			3704.2 50			3705.1 50		
			ZQI 4/2 YE					
			3720.8 50					
			ZQI 4/3 YE					
			3721.8 50					
			ZQI 4/4 YE					
			3722.8 20					
			ZQI 4/5 YE					
			3723.8 20					
			ZQI 4/6 YE					
			3724.8 20					
			ZQI 4/7 YE					
			3725.8 20					
			ZQI 4/8 YE					
			3726.8 10					
			ZQI 4/9 YE					
			3727.8 10					
			ZQI 4/10 YE					
			3728.8 10					
ZAD 4/4/B YE			ZAD 4/4/B YE			ZAD 4/4/B YE		
3707.0 20			3707.0 20			3707.0 20		
ZES 35 BG			ZES 35 BG			ZES 35 BG		
3748.2 50			3748.2 50			3748.2 50		
ZTA 4			ZTA 4			ZTA 4		
3741.2 10			3741.2 10			3741.2 10		
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		
PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
4702.7 500			4702.7 500			4702.7 500		

Feed-through terminals ZRK | Protective earth terminals ZSL

Tension-spring connection	ZRK 6/2A	ZSL 6/2A	ZRK 10/2A
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	65 x 8.1 x 47.5	65 x 8.1 x 47.5	73.5 x 10.1 x 50.5
Type / colour	ZRK 6/2A BG 	ZSL 6/2A GNYE 	ZRK 10/2A BG 
Cat. no.	3581.2	3589.2	3597.2
Qty.	100	100	50
Type / colour	ZRK 6/2A BU 		ZRK 10/2A BU 
Cat. no.	3581.5		3597.5
Qty.	100		50
Type / colour	ZRK 6/2A OG 		ZRK 10/2A OG 
Cat. no.	3581.3		3597.3
Qty.	100		50
Type / colour	ZRK 6/2A RD 		
Cat. no.	3581.9		
Qty.	100		
Ratings	IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)	1000 600 600		1000 500 500
Rated current (A)	41 50 50		57 55 55
Rated wire cross-section, mm ² / AWG	6 / 22–8	6 / 22–8	10 / 16–6
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-0	A5 / V-0	B6 / V-0
Connection data			
Single wire (solid) / stranded (flexible), mm ²	0.5–10 / -	0.5–10 / -	1.5–16 / 1.5–16
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–10 / 0.5–6	0.5–10 / 0.5–6	1.5–10 / 1.5–10
Clamping range, mm ²	0.5–10	0.5–10	1.5–16
Stripping length, mm	13	13	18
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	0 / 2	2 / 2
Accessories			
ZAP end plate	ZAP 6/2A BG	ZAP 6/2A GN	ZAP 10/2A BG
Cat. no.	3760.2	3760.1	3788.2
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 6/2 YE		ZQI 10/2 YE
Cat. no.	3763.8		3789.8
Qty.	50		20
Insulated cross-connector ZQI	ZQI 6/3 YE		
Cat. no.	3764.8		
Qty.	50		
Insulated cross-connector ZQI	ZQI 6/4 YE		
Cat. no.	3765.8		
Qty.	20		
Insulated cross-connector ZQI	ZQI 6/5 YE		
Cat. no.	3766.8		
Qty.	20		
Insulated cross-connector ZQI	ZQI 6/6 YE		
Cat. no.	3767.8		
Qty.	20		
Insulated cross-connector ZQI	ZQI 6/7 YE		
Cat. no.	3768.8		
Qty.	20		
Insulated cross-connector ZQI	ZQI 6/8 YE		
Cat. no.	3769.8		
Qty.	10		
Insulated cross-connector ZQI	ZQI 6/9 YE		
Cat. no.	3770.8		
Qty.	10		
Insulated cross-connector ZQI	ZQI 6/10 YE		
Cat. no.	3771.8		
Qty.	10		
Four-way cover ZAD	ZAD 4/4/B YE	ZAD 6/4/B YE	ZAD 10/4/B YE
Cat. no.	3707.0	3708.0	3709.0
Qty.	20	20	20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 6	ZTA 6	ZTA 10
Cat. no.	3772.2	3772.2	3790.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	SDB 0.8 x 4.0	SDB 0.8 x 4.0	SDB 0.8 x 4.0
Cat. no.	1087.0	1087.0	1087.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	9323.7	9323.7	9323.7
Qty.	400	400	400

Double-level terminal blocks ZRKD 2.5 | Double-level PE terminals ZSLD 2.5

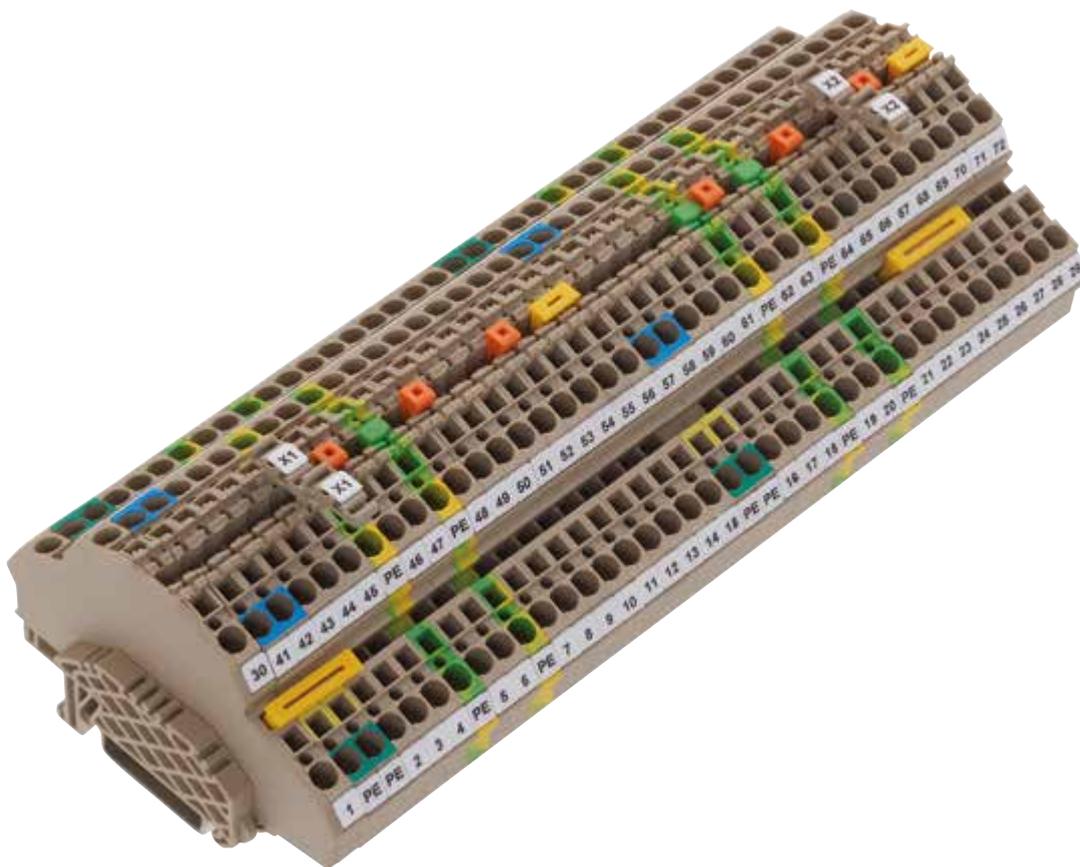


Tension-spring connection

With a width of just 5 mm, the new **ZRKD** series is available in 13 versions and connects with stranded or solid wires up to 4 mm² with a rated current of up to 24 A. Solid and stranded wires with wire-end ferrules can be inserted into the connection system with a tool or standard screwdriver.

Inserting the tool opens the tension spring so the conductor can be easily inserted. When closed, the conductor is securely clamped against the internal busbar. CONTA-CLIP's PE foot, which contacts the PE potential to the DIN rail, is designed to make contact on both sides. This means that more material is required; however, this offers more safety in the area around the protective

earth contact. In all the **ZSL** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



Your advantages

- Less wiring time
- More spacious connection space
- Vertical cross-connect option
- Colour labelling
- Terminals with electronic components
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Feed-through and PE terminals 2.5 mm²
- Pluggable cross-connection system ZQI
- Pluggable vertical connector ZVQI
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

The features in detail

Cross-connection system

The upper and lower levels can be cross-connected using the **ZQI 2.5/...** standard cross-connectors. The **ZQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 poles. They cross connect up to the rated current of the relevant **ZRKD** terminals.



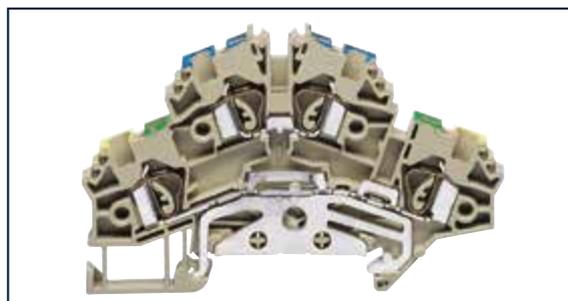
Vertical connection ZVQI

The upper and lower levels can be connected to each other using the **ZVQI** vertical cross-connector.



Colour labelling

The upper and lower levels are colour-coded (for example, the **ZRKD 2.5 N-PE**).

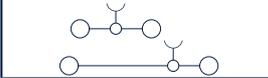
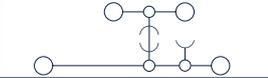
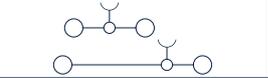


Connecting the PE foot onto the DIN rail

As with all CONTA-CLIP PE terminals, the **ZSLD** terminals also implement a two-sided contact with the DIN rail. In all the **ZRK** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.

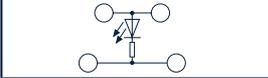
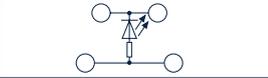
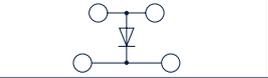


Double-level terminal blocks ZRKD | Double-level PE terminal ZSLD

Tension-spring connection	ZRKD 2.5	ZRKD 2.5 SV	ZRKD 2.5 N-DU
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 2 x 2 connections	Feed-through terminal 4 connections	Feed-through terminal 2 x 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	83.6 x 5.1 x 53	83.6 x 5.1 x 53	83.6 x 5.1 x 53
Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm	83.6 x 5.1 x 64	83.6 x 5.1 x 64	83.6 x 5.1 x 64
Type / colour	ZRKD 2.5 BG 	ZRKD 2.5/SV BG 	ZRKD 2.5/N/DU 
Cat. no.	3562.2	3563.2	3564.2
Qty.	100	100	100
Type / colour	ZRKD 2.5 BU 	ZRKD 2.5/SV BU 	
Cat. no.	3562.5	3563.5	
Qty.	100	100	
Type / colour	ZRKD 2.5 OG 	ZRKD 2.5/SV OG 	
Cat. no.	3562.3	3563.3	
Qty.	100	100	
Ratings	IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)	500 300 300	500 300 300	500 300 300
Rated current (A)	24 10 10	24 10 10	24 10 10
Rated wire cross-section, mm ² / AWG	2.5 / 20 – 12	2.5 / 20 – 12	2.5 / 20 – 12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5 – 4 / -	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²	0.08 – 4	0.08 – 4	0.08 – 4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	2 / 4	1 / 4	2 / 4
Accessories			
ZAP end plate	ZAPD 2.5 BG	ZAPD 2.5 BG	ZAPD 2.5 BG
Cat. no.	3756.2	3756.2	3756.2
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
Labelling adapter ZBA	ZBA 1 BG	ZBA 1 BG	ZBA 1 BG
Cat. no.	3745.2	3745.2	3745.2
Qty.	20	20	20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

ZRKD 2.5 DU-PE			ZRKD 2.5 N-PE			ZSLD 2.5		
Feed-through/PE terminal, 2 x 2 connections			Feed-through/PE terminal, 2 x 2 connections			Protective earth terminal 4 connections		
Tension-spring connection			Tension-spring connection			Tension-spring connection		
83.6 x 5.1 x 53			83.6 x 5.1 x 53			83.6 x 5.1 x 53		
83.6 x 5.1 x 64			83.6 x 5.1 x 64			83.6 x 5.1 x 64		
ZRKD 2.5/DU/PE ●			ZRKD 2.5/N/PE ●			ZSLD 2.5 GNYE ●●●		
3565.2			3566.2			3567.2		
100			100			100		
IEC			IEC			IEC		
UL			UL			UL		
CSA			CSA			CSA		
500			500			500		
300			300			300		
300			300			300		
24			24			24		
10			10			10		
10			10			10		
2.5 / 20-12			2.5 / 20-12			2.5 / 20-12		
6/3			6/3			6/3		
A3/V-0			A3/V-0			A3/V-0		
0.5-4/-			0.5-4/-			0.5-4/-		
0.5-4/0.5-2.5			0.5-4/0.5-2.5			0.5-4/0.5-2.5		
0.08-4			0.08-4			0.08-4		
10			10			10		
PA6.6 / -40 °C to +120 °C			PA6.6 / -40 °C to +120 °C			PA6.6 / -40 °C to +120 °C		
1 / 4			1 / 4			0 / 4		
ZAPD 2.5 BG			ZAPD 2.5 BG			ZAPD 2.5 GN		
3756.2			3756.2			3756.1		
20			20			20		
ZQI 2.5/2 YE			ZQI 2.5/2 YE					
3710.8			3710.8					
50			50					
ZQI 2.5/3 YE			ZQI 2.5/3 YE					
3711.8			3711.8					
50			50					
ZQI 2.5/4 YE			ZQI 2.5/4 YE					
3712.8			3712.8					
20			20					
ZQI 2.5/5 YE			ZQI 2.5/5 YE					
3713.8			3713.8					
20			20					
ZQI 2.5/6 YE			ZQI 2.5/6 YE					
3714.8			3714.8					
20			20					
ZQI 2.5/7 YE			ZQI 2.5/7 YE					
3715.8			3715.8					
20			20					
ZQI 2.5/8 YE			ZQI 2.5/8 YE					
3716.8			3716.8					
10			10					
ZQI 2.5/9 YE			ZQI 2.5/9 YE					
3717.8			3717.8					
10			10					
ZQI 2.5/10 YE			ZQI 2.5/10 YE					
3718.8			3718.8					
10			10					
ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE					
3719.8			3719.8					
1			1					
ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE		
3706.0			3706.0			3706.0		
20			20			20		
ZBA 1 BG			ZBA 1 BG			ZBA 1 BG		
3745.2			3745.2			3745.2		
20			20			20		
ZES 35 BG			ZES 35 BG			ZES 35 BG		
3748.2			3748.2			3748.2		
50			50			50		
ZTA 2.5 BG			ZTA 2.5 BG			ZTA 2.5 BG		
3740.2			3740.2			3740.2		
10			10			10		
BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)		
3808.0			3808.0			3808.0		
1			1			1		
PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
4600.7			4600.7			4600.7		
500			500			500		

Double-level terminal blocks with electronic components ZRKD

Tension-spring connection	ZRKD 2.5/LED1	ZRKD 2.5/LED2	ZRKD 2.5/D2
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 2 x 2 connections	Feed-through terminal 2 x 2 connections	Feed-through terminal 2 x 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	83.6 x 5.1 x 53	83.6 x 5.1 x 53	83.6 x 5.1 x 53
Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm	83.6 x 5.1 x 64	83.6 x 5.1 x 64	83.6 x 5.1 x 64
Type / colour	ZRKD 2.5/LED1(RD)/24V DC BG ●	ZRKD 2.5/LED2(RD)/24V DC BG ●	ZRKD 2.5/D1 BG ●
Cat. no.	3568.2	3569.2	3570.2
Qty.	100	100	100
Type / colour			
Cat. no.			
Type / colour			
Cat. no.			
Type / colour			
Cat. no.			
Ratings	IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)	24	24	
Rated current (A)	< 5 mA	< 5 mA	
Rated wire cross-section, mm ² / AWG	2.5 / 20 – 12	2.5 / 20 – 12	2.5 / 20 – 12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5 – 4 / -	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²	0.08 – 4	0.08 – 4	0.08 – 4
Stripping length, mm	10	10	10
Diode	red LED	red LED	Soldered diode 1N4007
	Current via LED < 5 mA	Current via LED < 5 mA	Reverse voltage 1000 V / Current 1 A
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 0	1 / 0	1 / 0
Accessories			
ZAP end plate	ZAPD 2.5 BG	ZAPD 2.5 BG	ZAPD 2.5 BG
Cat. no.	3756.2	3756.2	3756.2
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
Labelling adapter ZBA			ZBA 1 BG
Cat. no.			3745.2
Qty.			20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

ZRKD 2.5/D2			ZRKD 2.5/D3			ZRKD 2.5/D4			ZRKD 2.5/D5		
Feed-through terminal 2 x 2 connections			Feed-through terminal 2 x 2 connections			Feed-through terminal 2 x 2 connections			Feed-through terminal 2 x 2 connections		
Tension-spring connection			Tension-spring connection			Tension-spring connection			Tension-spring connection		
83.6 x 5.1 x 53			83.6 x 5.1 x 53			83.6 x 5.1 x 53			83.6 x 5.1 x 53		
83.6 x 5.1 x 64			83.6 x 5.1 x 64			83.6 x 5.1 x 64			83.6 x 5.1 x 64		
ZRKD 2.5/D2 BG ●			ZRKD 2.5/D3 BG ●			ZRKD 2.5/D4 BG ●			ZRKD 2.5/D5 BG ●		
3571.2			3572.2			3573.2			3574.2		
100			100			100			100		
IEC			IEC			IEC			IEC		
UL			UL			UL			UL		
CSA			CSA			CSA			CSA		
2.5 / 20-12			2.5 / 20-12			2.5 / 20-12			2.5 / 20-12		
6/3			6/3			6/3			6/3		
A3/V-0			A3/V-0			A3/V-0			A3/V-0		
0.5-4/-			0.5-4/-			0.5-4/-			0.5-4/-		
0.5-4/0.5-2.5			0.5-4/0.5-2.5			0.5-4/0.5-2.5			0.5-4/0.5-2.5		
0.08-4			0.08-4			0.08-4			0.08-4		
10			10			10			10		
Soldered diode 1N4007			Soldered diode 1N4007			Soldered diode 1N4007			Soldered diode 1N4007		
Reverse voltage 1000 V / Current 1 A			Reverse voltage 1000 V / Current 1 A			Reverse voltage 1000 V / Current 1 A			Reverse voltage 1000 V / Current 1 A		
PA6.6 / -40 °C to +120 °C			PA6.6 / -40 °C to +120 °C			PA6.6 / -40 °C to +120 °C			PA6.6 / -40 °C to +120 °C		
1/0			1/0			1/0			1/0		
ZAPD 2.5 BG			ZAPD 2.5 BG			ZAPD 2.5 BG			ZAPD 2.5 BG		
3756.2			3756.2			3756.2			3756.2		
20			20			20			20		
ZQI 2.5/2 YE			ZQI 2.5/2 YE			ZQI 2.5/2 YE			ZQI 2.5/2 YE		
3710.8			3710.8			3710.8			3710.8		
50			50			50			50		
ZQI 2.5/3 YE			ZQI 2.5/3 YE			ZQI 2.5/3 YE			ZQI 2.5/3 YE		
3711.8			3711.8			3711.8			3711.8		
50			50			50			50		
ZQI 2.5/4 YE			ZQI 2.5/4 YE			ZQI 2.5/4 YE			ZQI 2.5/4 YE		
3712.8			3712.8			3712.8			3712.8		
20			20			20			20		
ZQI 2.5/5 YE			ZQI 2.5/5 YE			ZQI 2.5/5 YE			ZQI 2.5/5 YE		
3713.8			3713.8			3713.8			3713.8		
20			20			20			20		
ZQI 2.5/6 YE			ZQI 2.5/6 YE			ZQI 2.5/6 YE			ZQI 2.5/6 YE		
3714.8			3714.8			3714.8			3714.8		
20			20			20			20		
ZQI 2.5/7 YE			ZQI 2.5/7 YE			ZQI 2.5/7 YE			ZQI 2.5/7 YE		
3715.8			3715.8			3715.8			3715.8		
20			20			20			20		
ZQI 2.5/8 YE			ZQI 2.5/8 YE			ZQI 2.5/8 YE			ZQI 2.5/8 YE		
3716.8			3716.8			3716.8			3716.8		
10			10			10			10		
ZQI 2.5/9 YE			ZQI 2.5/9 YE			ZQI 2.5/9 YE			ZQI 2.5/9 YE		
3717.8			3717.8			3717.8			3717.8		
10			10			10			10		
ZQI 2.5/10 YE			ZQI 2.5/10 YE			ZQI 2.5/10 YE			ZQI 2.5/10 YE		
3718.8			3718.8			3718.8			3718.8		
10			10			10			10		
ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE		
3719.8			3719.8			3719.8			3719.8		
1			1			1			1		
ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE		
3706.0			3706.0			3706.0			3706.0		
20			20			20			20		
ZBA 1 BG			ZBA 1 BG			ZBA 1 BG			ZBA 1 BG		
3745.2			3745.2			3745.2			3745.2		
20			20			20			20		
ZES 35 BG			ZES 35 BG			ZES 35 BG			ZES 35 BG		
3748.2			3748.2			3748.2			3748.2		
50			50			50			50		
ZTA 2.5 BG			ZTA 2.5 BG			ZTA 2.5 BG			ZTA 2.5 BG		
3740.2			3740.2			3740.2			3740.2		
10			10			10			10		
BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)		
3808.0			3808.0			3808.0			3808.0		
1			1			1			1		
PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
4600.7			4600.7			4600.7			4600.7		
500			500			500			500		

Three-level terminal blocks ZIKD

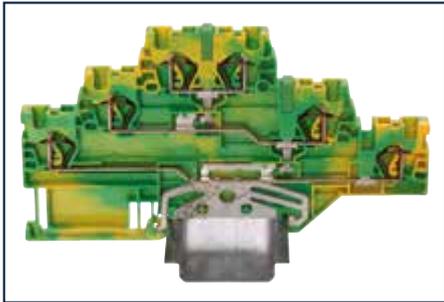


Tension-spring connection

Three-level terminal blocks ZIKD 2.5

The **ZIKD 2.5** terminal blocks have a width of only 5 mm and are available in a variety of designs. They have three levels with six connection points and can handle solid or flexible wires up to 2.5 mm² with a rated current up to 24 amps. The lower level is designed as a feed-through or PE connection.

All levels can be cross-connected to neighbouring terminal blocks. You can also use a vertical connector to bridge them within a terminal block.



PE foot on both sides



Vertical connection ZVQI



Cross-connection ZQI on 3 levels



Your advantages

- Less wiring time
- More spacious connection space
- Vertical cross-connect option
- Colour labelling
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Feed-through and PE terminals 2.5 mm²
- Pluggable cross-connection system ZQI
- Pluggable vertical connector ZVQI
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

Motor-connection terminal ZVMAK



Tension-spring connection

Four-level terminal blocks ZVMAK 2.5

The **ZVMAK 2.5** has a width of only 5 mm. It has four levels with seven connection points and can handle solid or stranded wires up to 2.5 mm² with a rated current up to 24 amps.

The lower level is designed as a PE connection. The PE foot contacts both sides of the DIN rail, thus ensuring optimal electrical security. The **ZVMAK** motor-connection terminals can be

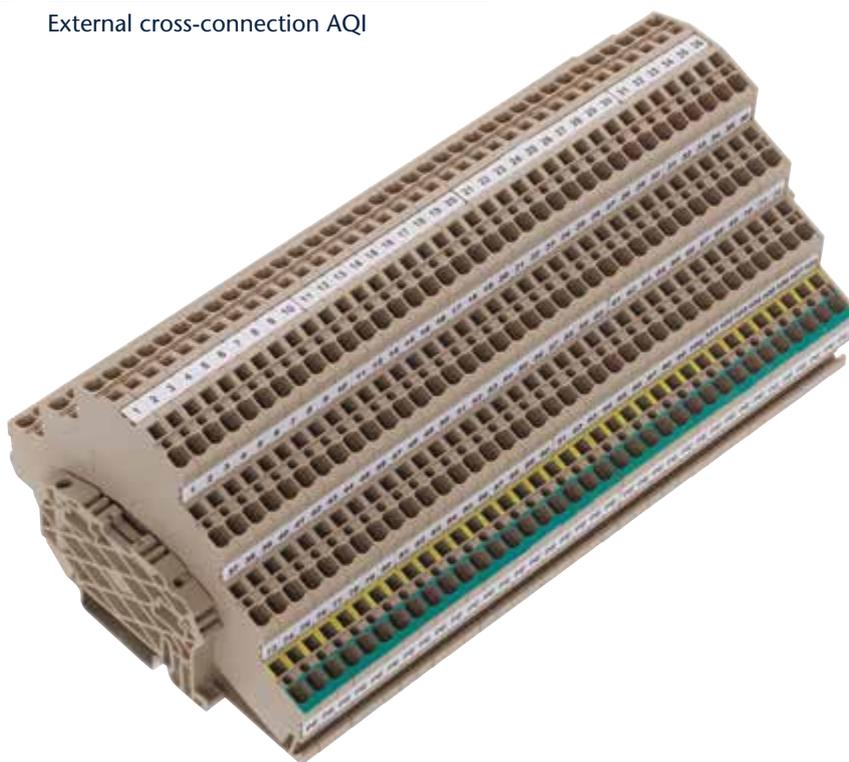
cross-connected at all levels using the **AQI** external cross connection.



PE foot on both sides



External cross-connection AQI



Your advantages

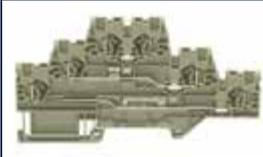
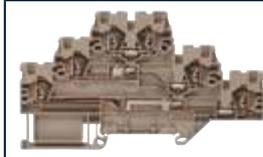
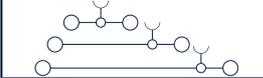
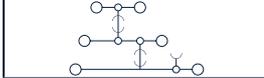
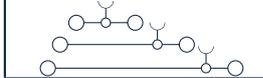
- Less wiring time
- More spacious connection space
- Colour labelling
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Motor-connection terminals 2.5 mm²
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

Three-level terminals ZIKD | Motor connection terminal ZVMAK

Tension-spring connection	ZIKD 2.5	ZIKD 2.5/SV	ZIKD 2.5/L-L-N BG
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 3 x 2 connections	Feed-through terminal 6 connections	Feed-through terminal 3 x 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	116.2 x 5.1 x 68	116.2 x 5.1 x 68	116.2 x 5.1 x 68
Type / colour	ZIKD 2.5 BG ●	ZIKD 2.5/SV BG ●	ZIKD 2.5/L-L-N BG ●
Cat. no.	3590.2	3591.2	17037.2
Qty.	50	50	50
Type / colour	ZIKD 2.5 BU ●	ZIKD 2.5/SV BU ●	
Cat. no.	3590.5	3591.5	
Qty.	50	50	
Ratings			
Rated voltage (V)	IEC 500	IEC 500	IEC 500
Rated current (A)	UL 300	UL 300	UL 300
Rated wire cross-section, mm ² / AWG	CSA 300	CSA 300	CSA 300
Rated surge voltage kV / Contamination degree	24	24	24
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	15	15	15
	2.5 / 20 – 12	2.5 / 20 – 12	2.5 / 20 – 12
	6 / 3	6 / 3	6 / 3
	A3 / V-0	A3 / V-0	A3 / V-0
Connection data			
Single wire (solid) / stranded (flexible), mm ²	0.5 – 4 / -	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²	0.08 – 4	0.08 – 4	0.08 – 4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	3 / 6	3 / 6	3 / 6
Accessories			
ZAP end plate	ZAP 2.5/ID BG	ZAP 2.5/ID BG	ZAP 2.5/ID BG
Cat. no.	3761.2	3761.2	3761.2
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
External cross-connector AQI			
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
External cross-connector AQI			
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
External cross-connector AQI			
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
External cross-connector AQI			
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
External cross-connector AQI			
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
External cross-connector AQI			
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
External cross-connector AQI			
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
External cross-connector AQI			
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
External cross-connector AQI			
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
External cross-connector AQI			
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
Labelling adapter ZBA	ZBA 3 BG	ZBA 3 BG	ZBA 3 BG
Cat. no.	3813.2	3813.2	3813.2
Qty.	50	50	50
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

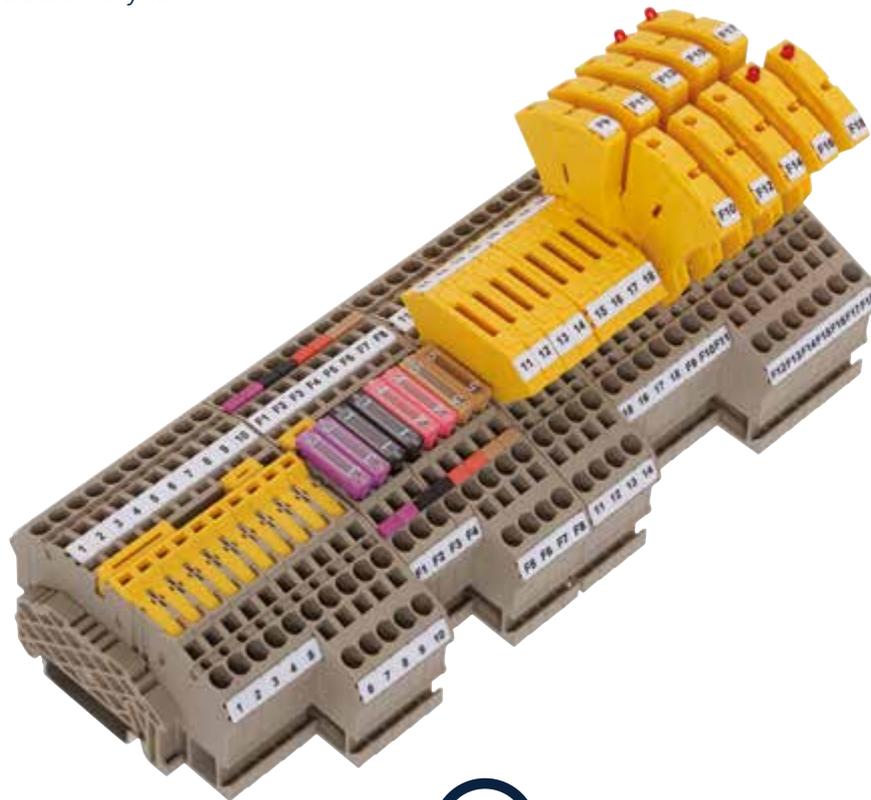
Blade-disconnect terminals | Disconnect terminals | Fuse-disconnect terminals ZTRK



Tension-spring connection

The **ZTRK** base terminal line can be combined in different ways with the product-related line of accessories as two-wire, three-wire and four-wire variants. Without any assembly, the three base terminals can receive auto-fuses or diode plugs. Alternatively, the base terminals are available equipped with a disconnect blade or a fuse holder for G fuses. The functions of all versions can be changed by removing or adding the disconnect blade, the fuse holder, or the diode plug. The plug-in fuse holders are available as models with or without a status display. They offer great flexibility, easy handling and a wide selection of 5x20 G fuses. Solid and stranded wires with or without wire-end ferrules can be inserted into the connection with the use of an actuating tool. The tension spring establishes a secure contact between the conductive wire and the busbar. For the fuse and disconnect terminals with tension-spring connections, there are many termi-

nals blocks with disconnect blade and disconnect plug available, as well as a fuse holder for auto-fuses and micro-fuses. Each of the tension-spring terminal blocks can be equipped with the standard accessories: the **ZQI 2.5** (cross connector) and the **PMC SB 5** (quick marking system).



Your advantages

- Less wiring time
- More spacious connection space
- Modularity thanks to replaceable functional elements
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Neutral disconnect terminals / fused-disconnect terminals 2.5 mm²
- Pluggable cross-connection system ZQI
- Material: PA 6.6 UL 94 V-0

The features in detail

Wire connections

Solid and stranded wires with or without wire-end ferrules can be inserted into the connection using an actuating tool. The tension spring establishes a secure contact between the conductive wire and the bus-bar. (Connection cross-section range 4 mm², rated current 24 A)



Disconnect terminals ZTRK 2.5/.../MT and ZTRK 2.5/.../ST

Disconnect terminals are often used in measurement, regulation and control technology in order to simplify troubleshooting and in order to be able to commission new systems or carry out revisions on older systems. In the tension-spring system, two models (disconnect-plug/disconnect-blade) are available in the base terminal variations of 2-, 3- and 4- wire systems. The proven **ZDS|ZTR** disconnect-plug and **ZTRK 2.5.../MT** disconnect-blade systems with high surface quality and, therefore, low and stable transitional resistance, ensures accurate measurement results.

They distinguish themselves by their narrow construction of only 5 mm and a high current capacity of 18 A. In addition to the **ZTR** disconnect-plug models (feed-through connection), **ZDS** diode plugs (I N 4007) are also available. It is easy to distribute potential voltages in combination with the pluggable **ZQI** cross connectors.



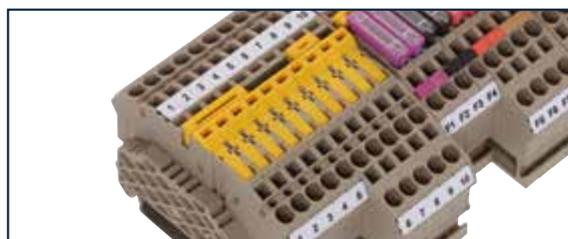
Fuse holders for auto-fuses/micro-fuses ZTRK 2.5/.../OT and ZTRK 2.5/.../ZS

The base terminals can hold auto-fuses without needing any accessories. With the fuse plug **ZS/H**, available in five variations, 5x20 fuses can be accommodated. Due to the special construction of the base terminal/fuse holder, the fuse plugs can be inserted in alternate directions on a pitch of only 5 mm. The fuse plugs are available in variations with or without status display (different voltage ranges). With a rated voltage of 400 V, the rated current of the fuse plug is 6.3 A. In combination with the pluggable **ZQI** cross connectors, it is easy to distribute voltage potentials. A measurement pick-off can be made on each individual terminal block using the test channel and the **ZTA 2.5** test adapter or the PS 2.3 test plug.

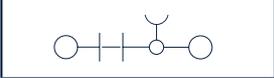
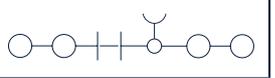


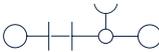
Cross-connector ZQI

The **ZQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 and with 99 poles. They cross connect up to the rated current of the relevant **ZTRK** terminals.

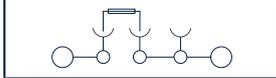
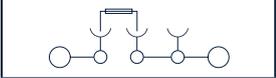
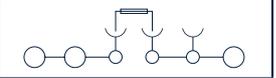


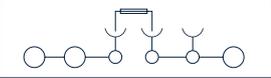
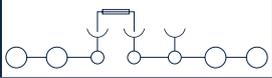
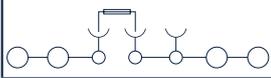
Blade-disconnect terminals | Disconnect terminals ZTRK

Tension-spring connection	ZTRK 2.5/2A/MT	ZTRK 2.5/3A/MT	ZTRK 2.5/4A/MT
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Blade-disconnect terminal 2 connections	Blade-disconnect terminal 3 connections	Blade-disconnect terminal 4 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 42.3	80.2 x 5.1 x 42.3	92.4 x 5.1 x 42.3
Type / colour	ZTRK 2.5/2A/MT BG 	ZTRK 2.5/3A/MT BG 	ZTRK 2.5/4A/MT BG 
Cat. no.	3603.2	3604.2	3605.2
Qty.	100	100	100
Type / colour	ZTRK 2.5/2A/MT BU 	ZTRK 2.5/3A/MT BU 	ZTRK 2.5/4A/MT BU 
Cat. no.	3603.5	3604.5	3605.5
Qty.	100	100	100
IEC	400	400	400
CSAus	18	18	18
CSA	2.5 / 20-12	2.5 / 20-12	2.5 / 20-12
Rated voltage (V)	400	400	400
Rated current (A)	18	18	18
Rated wire cross-section, mm ² / AWG	2.5 / 20-12	2.5 / 20-12	2.5 / 20-12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5-4 / -	0.5-4 / -	0.5-4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5-4 / 0.5-2.5	0.5-4 / 0.5-2.5	0.5-4 / 0.5-2.5
Clamping range, mm ²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Diode			
Material of insulated housing / Temperature range	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	1 / 2	1 / 2
Accessories			
ZAP end plate	ZAPT 2.5/2A BG	ZAPT 2.5/3A BG	ZAPT 2.5/4A BG
Cat. no.	3796.2	3797.2	3798.2
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

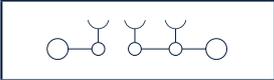
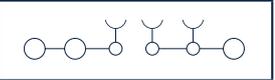
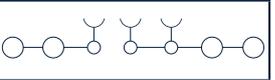
ZTRK 2.5/2A/ST			ZTRK 2.5/3A/ST			ZTRK 2.5/4A/ST			ZDS/ZTR		
											
											
Disconnect terminal 2 connections			Disconnect terminal 3 connections			Disconnect terminal 4 connections					
Tension-spring connection 68 x 5.1 x 57.1			Tension-spring connection 80.2 x 5.1 x 57.1			Tension-spring connection 92.4 x 5.1 x 57.1			Tension-spring connection		
ZTRK 2.5/2A/ST BG ● 100 3606.2			ZTRK 2.5/3A/ST BG ● 100 3607.2			ZTRK 2.5/4A/ST BG ● 100 3608.2			ZDS 1/ZTR ●● 20 3612.2		
ZTRK 2.5/2A/ST BU ● 100 3606.5			ZTRK 2.5/3A/ST BU ● 100 3607.5			ZTRK 2.5/4A/ST BU ● 100 3608.5			ZDS 2/ZTR ●▶● 20 3613.2		
									ZDS 3/ZTR ●◀● 20 3614.2		
									ZDS 4/ZTR ●● 20 3615.2		
IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA
400			400			400					
18			18			18					
2.5/20-12			2.5/20-12			2.5/20-12					
6/3			6/3			6/3					
A3/V-0			A3/V-0			A3/V-0					
0.5-4/-			0.5-4/-			0.5-4/-					
0.5-4/0.5-2.5			0.5-4/0.5-2.5			0.5-4/0.5-2.5					
0.08-4			0.08-4			0.08-4					
10			10			10					
									For 3613.2 and 3614.2 Soldered diode 1N4007 Reverse voltage 1000 V / Current 1 A		
PA6.6 / -40 °C to +120 °C 1/2			PA6.6 / -40 °C to +120 °C 1/2			PA6.6 / -40 °C to +120 °C 1/2					
ZAPT 2.5/2A BG			ZAPT 2.5/3A BG			ZAPT 2.5/4A BG					
3796.2 50			3797.2 50			3798.2 50					
ZQI 2.5/2 YE			ZQI 2.5/2 YE			ZQI 2.5/2 YE					
3710.8 50			3710.8 50			3710.8 50					
ZQI 2.5/3 YE			ZQI 2.5/3 YE			ZQI 2.5/3 YE					
3711.8 50			3711.8 50			3711.8 50					
ZQI 2.5/4 YE			ZQI 2.5/4 YE			ZQI 2.5/4 YE					
3712.8 20			3712.8 20			3712.8 20					
ZQI 2.5/5 YE			ZQI 2.5/5 YE			ZQI 2.5/5 YE					
3713.8 20			3713.8 20			3713.8 20					
ZQI 2.5/6 YE			ZQI 2.5/6 YE			ZQI 2.5/6 YE					
3714.8 20			3714.8 20			3714.8 20					
ZQI 2.5/7 YE			ZQI 2.5/7 YE			ZQI 2.5/7 YE					
3715.8 20			3715.8 20			3715.8 20					
ZQI 2.5/8 YE			ZQI 2.5/8 YE			ZQI 2.5/8 YE					
3716.8 10			3716.8 10			3716.8 10					
ZQI 2.5/9 YE			ZQI 2.5/9 YE			ZQI 2.5/9 YE					
3717.8 10			3717.8 10			3717.8 10					
ZQI 2.5/10 YE			ZQI 2.5/10 YE			ZQI 2.5/10 YE					
3718.8 10			3718.8 10			3718.8 10					
ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE			ZQI 2.5/0.5 w/99 poles YE					
3719.8 1			3719.8 1			3719.8 1					
ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE					
3706.0 20			3706.0 20			3706.0 20					
ZES 35 BG			ZES 35 BG			ZES 35 BG					
3748.2 50			3748.2 50			3748.2 50					
ZTA 2.5 BG			ZTA 2.5 BG			ZTA 2.5 BG					
3740.2 10			3740.2 10			3740.2 10					
BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)			BWMA 1 (0.5 x 3.5 mm)					
3808.0 1			3808.0 1			3808.0 1					
PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
4600.7 500			4600.7 500			4600.7 500			4600.7 500		

Fuse-disconnect terminals ZTRK

Tension-spring connection	ZTRK 2.5/2A/ZS	ZTRK 2.5/2A/ZS...	ZTRK 2.5/3A/ZS...
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Fuse-disconnect terminal 2 connections	Fuse-disconnect terminal 2 connections	Fuse-disconnect terminal 3 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 78.7	68 x 5.1 x 78.7	80.2 x 5.1 x 78.7
Type / colour	ZTRK 2.5/2A/ZS BG ●	ZTRK 2.5/2A/ZS 36 BG ●	ZTRK 2.5/3A/ZS BG ●
Cat. no.	3616.2	3617.2 10V–36V	3621.2
Qty.	100	100	100
Type / colour	ZTRK 2.5/2A/ZS BU ●	ZTRK 2.5/2A/ZS 70 BG ●	ZTRK 2.5/3A/ZS BU ●
Cat. no.	3616.5	3618.2 35V–70V	3621.5
Qty.	100	100	100
Type / colour		ZTRK 2.5/2A/ZS 150 BG ●	
Cat. no.		3619.2 60V–150V	
Qty.		100	
Type / colour		ZTRK 2.5/2A/ZS 250 BG ●	
Cat. no.		3620.2 140V–250V	
Qty.		100	
Ratings	IEC CSAus CSA	IEC CSAus CSA	IEC CSAus CSA
Rated voltage (V)	400	See above	400
Rated current (A)	6.3	6.3	6.3
Rated wire cross-section, mm ² / AWG	2.5 / 20–12	2.5 / 20–12	2.5 / 20–12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 3
Max. power loss, W	1.6	1.6	1.6
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 ²	0.5–4 / -	0.5–4 / -	0.5–4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5
Clamping range, mm ²	0.08–4	0.08–4	0.08–4
Stripping length, mm	10	10	10
Fuse size	5 x 20	5 x 20	5 x 20
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	1 / 2	1 / 2
Accessories			
ZAP end plate	ZAPT 2.5/2A BG	ZAPT 2.5/2A BG	ZAPT 2.5/3A BG
Cat. no.	3796.2	3796.2	3797.2
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

ZTRK 2.5/3A/ZS...	ZTRK 2.5/4A/ZS	ZTRK 2.5/4A/ZS...	ZS/H.../ZTR
			
			
Fuse-disconnect terminal 3 connections	Fuse-disconnect terminal 4 connections	Fuse-disconnect terminal 4 connections	Fuse plug 5 x 20 fuses
Tension-spring connection 80.2 x 5.1 x 78.7	Tension-spring connection 92.4 x 5.1 x 78.7	Tension-spring connection 92.4 x 5.1 x 78.7	Tension-spring connection
ZTRK 2.5/3A/ZS 36 BG ● 3622.2 10V–36V 100	ZTRK 2.5/4A/ZS BG ● 3626.2 100	ZTRK 2.5/4A/ZS 36 BG ● 3622.2 10V–36V 100	ZS/H0/ZTR 3635.2 20
ZTRK 2.5/3A/ZS 70 BG ● 3623.2 35V–70V 100	ZTRK 2.5/4A/ZS BU ● 3626.5 100	ZTRK 2.5/4A/ZS 70 BG ● 3623.2 35V–70V 100	ZS/H1/ZTR/36 3631.2 10V–36V 20
ZTRK 2.5/3A/ZS 150 BG ● 3624.2 60V–150V 100		ZTRK 2.5/4A/ZS 150 BG ● 3629.2 60V–150V 100	ZS/H2/ZTR/70 3632.2 35V–70V 20
ZTRK 2.5/3A/ZS 250 BG ● 3625.2 140V–250V 100		ZTRK 2.5/4A/ZS 250 BG ● 3630.2 140V–250V 100	ZS/H3/ZTR/150 3633.2 60V–150V 20
			ZS/H4/ZTR/250 3634.2 140V–250V 20
IEC CSAus CSA	IEC CSAus CSA	IEC CSAus CSA	
See above	400	See above	Motor vehicle fuses are listed in Catalogue 04.
6.3	6.3	6.3	
2.5/20–12	2.5/20–12	2.5/20–12	
6/3	6/3	6/3	
1.6	1.6	1.6	
A3/V-0	A3/V-0	A3/V-0	
0.5–4/-	0.5–4/-	0.5–4/-	
0.5–4/0.5–2.5	0.5–4/0.5–2.5	0.5–4/0.5–2.5	
0.08–4	0.08–4	0.08–4	
10	10	10	
5 x 20	5 x 20	5 x 20	
PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	
1/2	1/2	1/2	
ZAPT 2.5/3A BG	ZAPT 2.5/4A BG	ZAPT 2.5/4A BG	
3797.2 50	3798.2 50	3798.2 50	
ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE	
3710.8 50	3710.8 50	3710.8 50	
ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE	
3711.8 50	3711.8 50	3711.8 50	
ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE	
3712.8 20	3712.8 20	3712.8 20	
ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE	
3713.8 20	3713.8 20	3713.8 20	
ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE	
3714.8 20	3714.8 20	3714.8 20	
ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE	
3715.8 20	3715.8 20	3715.8 20	
ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE	
3716.8 10	3716.8 10	3716.8 10	
ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE	
3717.8 10	3717.8 10	3717.8 10	
ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE	
3718.8 10	3718.8 10	3718.8 10	
ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	
3719.8 1	3719.8 1	3719.8 1	
ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	
3706.0 20	3706.0 20	3706.0 20	
ZES 35 BG	ZES 35 BG	ZES 35 BG	
3748.2 50	3748.2 50	3748.2 50	
ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG	
3740.2 10	3740.2 10	3740.2 10	
BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	
3808.0 1	3808.0 1	3808.0 1	
PMC SB 5/50 WH			
4600.7 500	4600.7 500	4600.7 500	4600.7 500

Disconnect terminals ZTRK

Tension-spring connection	ZTRK 2.5/2A/OT	ZTRK 2.5/3A/OT	ZTRK 2.5/4A/OT
<ul style="list-style-type: none"> Foot can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Base terminal 2 connections	Base terminal 3 connections	Base terminal 4 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 39.2	80.2 x 5.1 x 39.2	92.4 x 5.1 x 39.2
Type / colour	ZTRK 2.5/2A/OT BG ●	ZTRK 2.5/3A/OT BG ●	ZTRK 2.5/4A/OT BG ●
Cat. no.	3609.2	3610.2	3611.2
Qty.	100	100	100
Type / colour	ZTRK 2.5/2A/OT BU ●	ZTRK 2.5/3A/OT BU ●	ZTRK 2.5/4A/OT BU ●
Cat. no.	3609.5	3610.5	3611.5
Qty.	100	100	100
Ratings	IEC CSAus CSA	IEC CSAus CSA	IEC CSAus CSA
Rated voltage (V)	400	400	400
Rated current (A)	18	18	18
Rated wire cross-section, mm ² / AWG	2.5 / 20–12	2.5 / 20–12	2.5 / 20–12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5–4 / -	0.5–4 / -	0.5–4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5
Clamping range, mm ²	0.08–4	0.08–4	0.08–4
Stripping length, mm	10	10	10
Diode			
Fuse size			
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	1 / 2	1 / 2
Accessories			
ZAP end plate	ZAPT 2.5/2A BG	ZAPT 2.5/3A BG	ZAPT 2.5/4A BG
Cat. no.	3796.2	3797.2	3798.2
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
Qty.	50	50	50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

Pluggable tension-spring connection ZST



Tension-spring connection ZST

CONTA-CLIP's modular and flexible **ZST** connection systems are in high demand wherever off-the-shelf units need to be connected or replaced. Pluggable wiring is thus permitted up to a rated current of 24 A and a rated voltage of 500 V.



Your advantages

- Fast assembly and installation
- Versatile, modular construction
- High level of wiring safety due to the customised coding option
- Excellent mechanical attachment of the plug elements in the base terminals
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Pluggable terminal block system 2.5 mm²
- Pluggable cross-connection system ZQI
- Locking and coding system
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

Features

a The wire connection / contact reliability

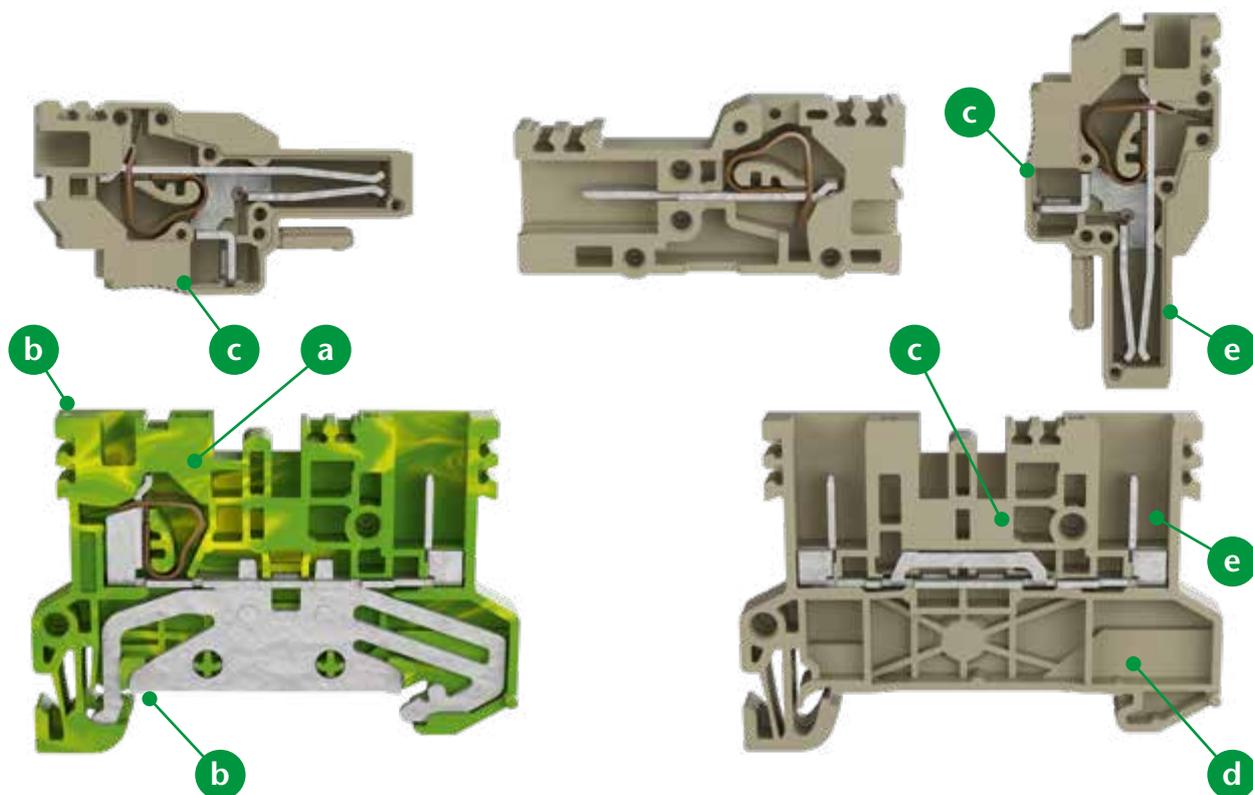
The tension-spring at the wire connection is held securely by the positioned busbar.

- The stainless steel spring provides permanent contact force between the wire and the busbar.
- Clear separation of electrical and mechanical functions
- The busbars are made from copper with surface coating (tin)
- Resistant to vibration and maintenance-free
- Corrosion-free
- Space-saving design

b Quick and easy to wire

Less time spent wiring thanks to the easy-to-operate tension-spring connection mechanism.

- Easy to work with
- Easy to operate, even under cramped working conditions, because of the TOP connection
- Generous wire-entry geometry
- Saves time and money
- PE foot contact on both sides – can be snapped on (no screws) to TS 35x7.5 and TS 35x15 rails.



c Pluggable cross-connection options

- Available in 2 – 10 and 99 poles (for custom assemblies)
- Simple to insert and thus quicker to install
- No insulation plate or partition plate is required between neighbouring cross-connections, since the **ZQI** has 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

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
- Operating temperature from $-40\text{ }^{\circ}\text{C}$ to $+120\text{ }^{\circ}\text{C}$

e Pluggable contact

- Rated current 24 A
- Rated voltage 500 V DC
- Vibration resistant
- Can be coded

An overview of the advantages

The base terminals and plugs can also be fitted with a snap-on locking latch. A snap-in strain relief mechanism ensures that the connected wires have a stable mechanical attachment to the terminal block.



Distributing potentials with the pluggable **ZQI** cross-connection system is quick and easy. It is possible to skip over terminals by breaking out individual contact elements.



The special alloy of the contact material and the shape of the contact spring both guarantee a secure contact even in the most extreme vibration conditions.



The base terminals and the pluggable versions are designed so that they are finger-touch safe. This feature provides excellent protection for the user and also permits power to be fed-in via the terminal or the plug.

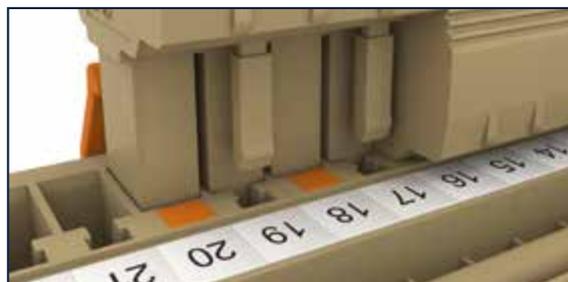


An overview of the advantages

A direct measurement can be carried out at the busbar on the corresponding terminal by using test plugs. The test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner.



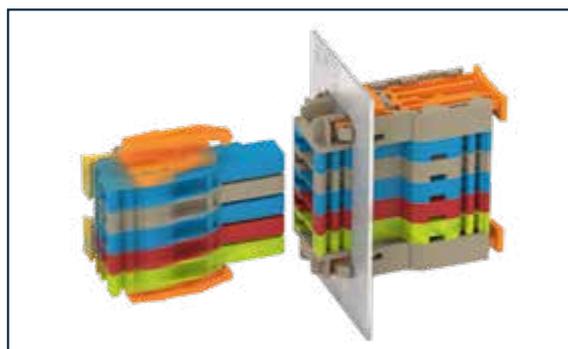
Using our CONTA-CLIP coding system, you can code your base terminals and plug couplings to protect them against plugging errors – without any loss of poles.



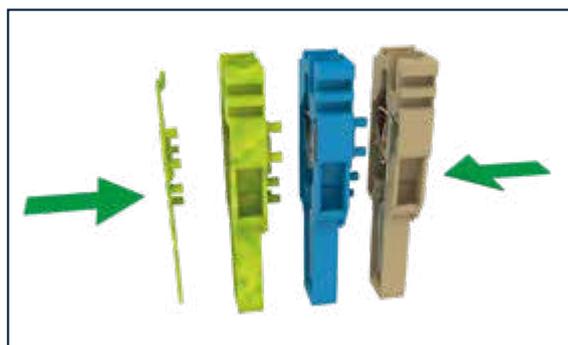
The **ZSTK 2.5** plug coupling is suitable for applications with low height restrictions. These couplings are available for **TS 15** and **TS 35** DIN rail mounts or as flying leads.



Effective wall bushings can be constructed simply by snapping the **ZST-WA** wall-bushing mounting adapter onto the **ZSTK 2.5/.../B** coupling element. These multi-pole units snap on sideways to the wall; the pressure on the inner slide mechanism ensures a secure attachment to the housing! The outer connector unit can be optionally fitted with locking elements.



The base terminals and the pluggable versions can be individually linked and configured according to your application requirements.



Pluggable tension-spring connection ZST

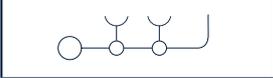
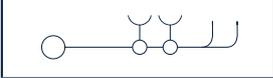
Pluggable tension-spring connection	ZSTK 2.5/1A/1S-H/B	ZSTK 2.5/1A/1S-H/15	ZSTK 2.5/1A/1S-H/35
<ul style="list-style-type: none"> Versatile mounting on TS 15, TS 35 or as flying lead coupling Finger-safe construction Can be coded Custom configurable 			
Connection diagram			
Description	Plug coupling horizontal	Plug coupling Horizontal TS 15	Plug coupling Horizontal TS 35
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H), mm	40 x 5.1 x 19	40 x 5.1 x 32	44 x 5.1 x 30
Size (L x W x H) with TS 15 x 7.5 mm		40 x 5.1 x 33	
Size (L x W x H) with TS 35 x 7.5 mm			44 x 5.1 x 35
Type / colour		ZSTK 2.5/1A/1S-H/15 BG ●	ZSTK 2.5/1A/1S-H/35 BG ●
Cat. no.		3676.2	3674.2
Qty.		100	100
Type / Colour with housing pegs	ZSTK 2.5/1A/1S-H/Z/B BG ●	ZSTK 2.5/1A/1S-H/Z/15 BG ●	ZSTK 2.5/1A/1S-H/Z/35 BG ●
Cat. no.	3679.2	3677.2	3675.2
Qty.	100	100	100
Type / Colour Block version		ZSTK 2.5/1A/1S-H/Z/B/15 BG ●	ZSTK 2.5/1A/1S-H/Z/B/35 BG ●
Cat. no.		3668.2	3667.2
Qty.		100	100
Colour variants	.5 ● / .3 ● / .0 ●	.5 ● / .3 ● / .0 ●	.5 ● / .3 ● / .0 ●
Ratings	IEC UL CSA*	IEC UL CSA*	IEC UL CSA*
Rated voltage (V)	500 300 300	500 300 300	500 300 300
Rated current (A)	24 20 20	24 20 20	24 20 20
Rated wire cross-section, mm ² / AWG	2.5 / 20 - 12	2.5 / 20 - 12	2.5 / 20 - 12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5 - 4 / -	0.5 - 4 / -	0.5 - 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 - 4 / 0.5 - 2.5	0.5 - 4 / 0.5 - 2.5	0.5 - 4 / 0.5 - 2.5
Clamping range, mm ²	0.5 - 4	0.5 - 4	0.5 - 4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	0 / 1	0 / 1	0 / 1
Accessories			
End plate ZAPSK	ZAPSK 2.5/1A/1S BG	ZAPSK 2.5/1A/1S BG	ZAPSK 2.5/1A/1S BG
Cat. no.	3686.2	3686.2	3686.2
Qty.	50	50	50
Locking mechanism	ZST-V OG	ZST-V OG	ZST-V OG
Cat. no.	3687.3	3687.3	3687.3
Qty.	50	50	50
Strain relief	ZST-Z OG	ZST-Z OG	ZST-Z OG
Cat. no.	3688.3	3688.3	3688.3
Qty.	50	50	50
Coding	ZST-C OG	ZST-C OG	ZST-C OG
Cat. no.	3689.3	3689.3	3689.3
Qty.	50	50	50
Insulated cross-connector ZQI			
Cat. no.			
Qty.			
Insulated cross-connector ZQI			
Cat. no.			
Qty.			
Insulated cross-connector ZQI			
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Insulated cross-connector ZQI			
Cat. no.			
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Insulated cross-connector ZQI			
Cat. no.			
Qty.			
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES		ZES 15 BG	ZES 35/2 BG
Cat. no.		3812.2	3811.2
Qty.		50	50
Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

* CAUTION: Not certified for breaking power circuits!

Pluggable tension-spring connection	ZST 2.5/1A	ZST 2.5/1A
<ul style="list-style-type: none"> Finger-safe construction Can be coded Custom configurable 		
Connection diagram		
Description	Male plug	Plug can be cross-connected
Connection type	Tension-spring connection	Tension-spring connection
Size (L x W x H), mm	42 x 5.1 x 16.5	42 x 5.1 x 21
Size (L x W x H) with TS 15 x 7.5 mm	26 x 5.1 x 16.5	26 x 5.1 x 21
Size (L x W x H) with TS 35 x 7.5 mm		
Type / colour	ZST 2.5/1A BG 	ZST 2.5/1A/Q BG 
Cat. no.	3670.2	3672.2
Qty.	100	100
Type / Colour with housing pegs	ZST 2.5/1A/Z BG 	ZST 2.5/1A/Q/Z BG 
Cat. no.	3671.2	3673.2
Qty.	100	100
Type / Colour Block version		
Cat. no.		
Qty.		
Colour variants	.5  / .3  / .0 	.5  / .3  / .0 
Ratings	IEC UL CSA*	IEC UL CSA*
Rated voltage (V)	500 300 300	500 300 300
Rated current (A)	24 20 20	24 20 20
Rated wire cross-section, mm ² / AWG	2.5 / 20 – 12	2.5 / 20 – 12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A3 / V-0	A3 / V-0
Connection data		
Single wire (solid) / stranded (flexible), mm ²	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²	0.5 – 4	0.5 – 4
Stripping length, mm	10	10
Features		
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	0 / 1	1 / 1
Accessories		
End plate ZAPSK	ZAPST 2.5/1A BG	ZAPST 2.5/1A/Q BG
Cat. no.	3684.2	3685.2
Qty.	50	50
Locking mechanism		
Cat. no.		
Qty.		
Strain relief	ZST-Z OG	ZST-Z OG
Cat. no.	3688.3	3688.3
Qty.	50	50
Coding		
Cat. no.		
Qty.		
Insulated ZQI cross-connector, 2-pole		ZQI 2.5/2 YE
Cat. no.		3710.8
Qty.		50
Insulated ZQI cross-connector, 3-pole		ZQI 2.5/3 YE
Cat. no.		3711.8
Qty.		50
Insulated ZQI cross-connector, 4-pole		ZQI 2.5/4 YE
Cat. no.		3712.8
Qty.		20
Insulated ZQI cross-connector, 5-pole		ZQI 2.5/5 YE
Cat. no.		3713.8
Qty.		20
Insulated ZQI cross-connector, 6-pole		ZQI 2.5/6 YE
Cat. no.		3714.8
Qty.		20
Insulated ZQI cross-connector, 7-pole		ZQI 2.5/7 YE
Cat. no.		3715.8
Qty.		20
Insulated ZQI cross-connector, 8-pole		ZQI 2.5/8 YE
Cat. no.		3716.8
Qty.		10
Insulated ZQI cross-connector, 9-pole		ZQI 2.5/9 YE
Cat. no.		3717.8
Qty.		10
Insulated ZQI cross-connector, 10-pole		ZQI 2.5/10 YE
Cat. no.		3718.8
Qty.		10
Insulated ZQI cross-connector, 99-pole		ZQI 2.5/0.5 w/99 poles YE
Cat. no.		3719.8
Qty.		1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0
Qty.	20	20
End stop ZES		
Cat. no.		
Qty.		
Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0
Qty.	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7
Qty.	500	500

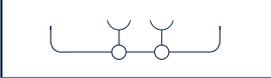
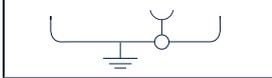
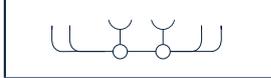
* CAUTION: Not certified for breaking power circuits!

Pluggable tension-spring connection ZST

Pluggable tension-spring connection	ZRKS 2.5/1A/1S	ZSLS 2.5/1A/1S	ZRKS 2.5/1A/2S
<ul style="list-style-type: none"> • Foot can be snapped on TS 35 DIN rail • Housing made of polyamide 6.6 UL 94 V-0 • Finger-safe construction • Can be coded • Custom configurable 			
Connection diagram			
Description	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H), mm	54 x 5.1 x 38.5	54 x 5.1 x 38.5	72.5 x 5.1 x 38.5
Size (L x W x H) with TS 35 x 7.5 mm	54 x 5.1 x 39.5	54 x 5.1 x 39.5	72.5 x 5.1 x 39.5
Type / colour	ZRKS 2.5/1A/1S BG 	ZSLS 2.5/1A/1S GNYE 	ZRKS 2.5/1A/2S BG 
Cat. no.	3650.2	3660.2	3651.2
Qty.	100	100	100
Type / colour	ZRKS 2.5/1A/1S BU 		ZRKS 2.5/1A/2S BU 
Cat. no.	3650.5		3651.5
Qty.	100		100
Type / colour	ZRKS 2.5/1A/1S OG 		ZRKS 2.5/1A/2S OG 
Cat. no.	3650.3		3651.3
Qty.	100		100
Ratings	IEC UL CSA*	IEC UL CSA*	IEC UL CSA*
Rated voltage (V)	500 300 300		500 300 300
Rated current (A)	24 20 20		24 20 20
Rated wire cross-section, mm ² / AWG	2.5 / 20–12	2.5 / 20–12	2.5 / 20–12
Rated surge voltage kV / Contamination degree	6 / 3	6 / 3	6 / 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 ²	0.5–4 / -	0.5–4 / -	0.5–4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5	0.5–4 / 0.5–2.5
Clamping range, mm ²	0.5–4	0.5–4	0.5–4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	2 / 1	1 / 1	2 / 1
Accessories			
End plate ZAPSK	ZAPS 2.5/1A/1S BG	ZAPS 2.5/1A/1S GN	ZAPS 2.5/1A/2S BG
Cat. no.	3680.2	3680.1	3681.2
Qty.	50	50	50
Locking mechanism	ZST-V OG	ZST-V OG	ZST-V OG
Cat. no.	3687.3	3687.3	3687.3
Qty.	50	50	50
Strain relief			ZST-V-I OG
Cat. no.			3690.3
Qty.			50
Coding	ZST-C OG	ZST-C OG	ZST-C OG
Cat. no.	3689.3	3689.3	3689.3
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE		ZQI 2.5/2 YE
Cat. no.	3710.8		3710.8
Qty.	50		50
Insulated cross-connector ZQI	ZQI 2.5/3 YE		ZQI 2.5/3 YE
Cat. no.	3711.8		3711.8
Qty.	50		50
Insulated cross-connector ZQI	ZQI 2.5/4 YE		ZQI 2.5/4 YE
Cat. no.	3712.8		3712.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/5 YE		ZQI 2.5/5 YE
Cat. no.	3713.8		3713.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/6 YE		ZQI 2.5/6 YE
Cat. no.	3714.8		3714.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/7 YE		ZQI 2.5/7 YE
Cat. no.	3715.8		3715.8
Qty.	20		20
Insulated cross-connector ZQI	ZQI 2.5/8 YE		ZQI 2.5/8 YE
Cat. no.	3716.8		3716.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/9 YE		ZQI 2.5/9 YE
Cat. no.	3717.8		3717.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/10 YE		ZQI 2.5/10 YE
Cat. no.	3718.8		3718.8
Qty.	10		10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8		3719.8
Qty.	1		1
Test adapter	ZTA 2.5/BG	ZTA 2.5/BG	ZTA 2.5/BG
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
End stop ZES	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG
Cat. no.	3811.2	3811.2	3811.2
Qty.	50	50	50
Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500

ZSLS 2.5/1A/2S	ZRKS 2.5/2A/1S	ZSLS 2.5/2A/1S	ZRKS 2.5/2A/2S	ZSLS 2.5/2A/2S
Protective earth terminal 3 connections	Feed-through terminal 3 connections	Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections
Tension-spring connection 72.5 x 5.1 x 38.5 72.5 x 5.1 x 39.5	Tension-spring connection 64 x 5.1 x 38.5 64 x 5.1 x 39.5	Tension-spring connection 64 x 5.1 x 38.5 64 x 5.1 x 39.5	Tension-spring connection 82 x 5.1 x 38.5 82 x 5.1 x 39.5	Tension-spring connection 82 x 5.1 x 38.5 82 x 5.1 x 39.5
ZSLS 2.5/1A/2S GNYE 3661.2 100	ZRKS 2.5/2A/1S BG 3652.2 100 ZRKS 2.5/2A/1S BU 3652.5 100 ZRKS 2.5/2A/1S OG 3652.3 100	ZSLS 2.5/2A/1S GNYE 3662.2 100	ZRKS 2.5/2A/2S BG 3653.2 100 ZRKS 2.5/2A/2S BU 3653.5 100 ZRKS 2.5/2A/2S OG 3653.3 100	ZSLS 2.5/2A/2S GNYE 3663.2 100
IEC UL CSA*	IEC UL CSA*	IEC UL CSA*	IEC UL CSA*	IEC UL CSA*
500 300 300	500 300 300	500 300 300	500 300 300	500 300 300
24 20 20	24 20 20	24 20 20	24 20 20	24 20 20
2.5/20-12	2.5/20-12	2.5/20-12	2.5/20-12	2.5/20-12
6/3	6/3	6/3	6/3	6/3
A3/V-0	A3/V-0	A3/V-0	A3/V-0	A3/V-0
0.5-4/-	0.5-4/-	0.5-4/-	0.5-4/-	0.5-4/-
0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5	0.5-4/0.5-2.5
0.5-4	0.5-4	0.5-4	0.5-4	0.5-4
10	10	10	10	10
PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C
1/1	2/1	1/1	2/1	1/1
ZAPS 2.5/1A/2S GN	ZAPS 2.5/2A/1S BG	ZAPS 2.5/2A/1S GN	ZAPS 2.5/2A/2S BG	ZAPS 2.5/2A/2S GN
3681.1 50	3682.2 50	3682.1 50	3683.2 50	3683.1 50
ZST-V OG	ZST-V OG	ZST-V OG	ZST-V OG	ZST-V OG
3687.3 50	3687.3 50	3687.3 50	3687.3 50	3687.3 50
ZST-V-I OG			ZST-V-I OG	ZST-V-I OG
3690.3 50			3690.3 50	3690.3 50
ZST-C OG	ZST-C OG	ZST-C OG	ZST-C OG	ZST-C OG
3689.3 50	3689.3 50	3689.3 50	3689.3 50	3689.3 50
	ZQI 2.5/2 YE		ZQI 2.5/2 YE	
	3710.8 50		3710.8 50	
	ZQI 2.5/3 YE		ZQI 2.5/3 YE	
	3711.8 50		3711.8 50	
	ZQI 2.5/4 YE		ZQI 2.5/4 YE	
	3712.8 20		3712.8 20	
	ZQI 2.5/5 YE		ZQI 2.5/5 YE	
	3713.8 20		3713.8 20	
	ZQI 2.5/6 YE		ZQI 2.5/6 YE	
	3714.8 20		3714.8 20	
	ZQI 2.5/7 YE		ZQI 2.5/7 YE	
	3715.8 20		3715.8 20	
	ZQI 2.5/8 YE		ZQI 2.5/8 YE	
	3716.8 10		3716.8 10	
	ZQI 2.5/9 YE		ZQI 2.5/9 YE	
	3717.8 10		3717.8 10	
	ZQI 2.5/10 YE		ZQI 2.5/10 YE	
	3718.8 10		3718.8 10	
	ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE	
	3719.8 1		3719.8 1	
ZTA 2.5/BG	ZTA 2.5/BG	ZTA 2.5/BG	ZTA 2.5/BG	ZTA 2.5/BG
3740.2 10	3740.2 10	3740.2 10	3740.2 10	3740.2 10
ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
3706.0 20	3706.0 20	3706.0 20	3706.0 20	3706.0 20
ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG
3811.2 50	3811.2 50	3811.2 50	3811.2 50	3811.2 50
BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
3808.0 1	3808.0 1	3808.0 1	3808.0 1	3808.0 1
PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
4600.7 500	4600.7 500	4600.7 500	4600.7 500	4600.7 500

Pluggable tension-spring connection ZST

Pluggable tension-spring connection	ZRKS 2.5/2S	ZSLS 2.5/2S	ZRKS 2.5/4S						
<ul style="list-style-type: none"> • Foot can be snapped on TS 35 DIN rail • Housing made of polyamide 6.6 UL 94 V-0 • Finger-safe construction • Can be coded • Custom configurable 									
Connection diagram									
Description	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 4 connections						
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection						
Size (L x W x H), mm	54 x 5.1 x 38.5	54 x 5.1 x 38.5	90.5 x 5.1 x 38.5						
Size (L x W x H) with TS 35 x 7.5 mm	54 x 5.1 x 39.5	54 x 5.1 x 39.5	90.5 x 5.1 x 39.5						
Type / colour	ZRKS 2.5/2S BG 	ZSLS 2.5/2S GNYE 	ZRKS 2.5/4S BG 						
Cat. no.	3655.2	3665.2	3654.2						
Qty.	100	100	100						
Type / colour	ZRKS 2.5/2S BU 		ZRKS 2.5/4S BU 						
Cat. no.	3655.5		3654.5						
Qty.	100		100						
Type / colour	ZRKS 2.5/2S OG 		ZRKS 2.5/4S OG 						
Cat. no.	3655.3		3654.3						
Qty.	100		100						
Ratings	IEC	UL	CSA*	IEC	UL	CSA*	IEC	UL	CSA*
Rated voltage (V)	500	300	300				500	300	300
Rated current (A)	24	20	20				24	20	20
Rated wire cross-section, mm ² / AWG									
Rated surge voltage kV / Contamination degree	6 / 3			6 / 3			6 / 3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	- / V-0			- / V-0			- / V-0		
Connection data									
Single wire (solid) / stranded (flexible), mm ²									
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²									
Clamping range, mm ²									
Stripping length, mm									
Features									
Material of insulated housing / Temperature range	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C						
Number of cross-connection channels / Test pick-off option	2 / 0	1 / 0	2 / 0						
Accessories									
End plate ZAPSK	ZAPS 2.5/2S BG	ZAPS 2.5/2S GN	ZAPS 2.5/4S BG						
Cat. no.	3691.2	3691.1	3692.2						
Qty.	50	50	50						
Locking mechanism	ZST-V OG	ZST-V OG	ZST-V OG						
Cat. no.	3687.3	3687.3	3687.3						
Qty.	50	50	50						
Strain relief			ZST-V-I OG						
Cat. no.			3690.3						
Qty.			50						
Coding	ZST-C OG	ZST-C OG	ZST-C OG						
Cat. no.	3689.3	3689.3	3689.3						
Qty.	50	50	50						
Insulated cross-connector ZQI	ZQI 2.5/2 YE		ZQI 2.5/2 YE						
Cat. no.	3710.8		3710.8						
Qty.	50		50						
Insulated cross-connector ZQI	ZQI 2.5/3 YE		ZQI 2.5/3 YE						
Cat. no.	3711.8		3711.8						
Qty.	50		50						
Insulated cross-connector ZQI	ZQI 2.5/4 YE		ZQI 2.5/4 YE						
Cat. no.	3712.8		3712.8						
Qty.	20		20						
Insulated cross-connector ZQI	ZQI 2.5/5 YE		ZQI 2.5/5 YE						
Cat. no.	3713.8		3713.8						
Qty.	20		20						
Insulated cross-connector ZQI	ZQI 2.5/6 YE		ZQI 2.5/6 YE						
Cat. no.	3714.8		3714.8						
Qty.	20		20						
Insulated cross-connector ZQI	ZQI 2.5/7 YE		ZQI 2.5/7 YE						
Cat. no.	3715.8		3715.8						
Qty.	20		20						
Insulated cross-connector ZQI	ZQI 2.5/8 YE		ZQI 2.5/8 YE						
Cat. no.	3716.8		3716.8						
Qty.	10		10						
Insulated cross-connector ZQI	ZQI 2.5/9 YE		ZQI 2.5/9 YE						
Cat. no.	3717.8		3717.8						
Qty.	10		10						
Insulated cross-connector ZQI	ZQI 2.5/10 YE		ZQI 2.5/10 YE						
Cat. no.	3718.8		3718.8						
Qty.	10		10						
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE						
Cat. no.	3719.8		3719.8						
Qty.	1		1						
Test adapter	ZTA 2.5/BG		ZTA 2.5/BG						
Cat. no.	3740.2		3740.2						
Qty.	10		10						
Four-way cover ZAD									
Cat. no.									
Qty.									
End stop ZES	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG						
Cat. no.	3811.2	3811.2	3811.2						
Qty.	50	50	50						
Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)						
Cat. no.	3808.0	3808.0	3808.0						
Qty.	1	1	1						
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH						
Cat. no.	4600.7	4600.7	4600.7						
Qty.	500	500	500						

* CAUTION: Not certified for breaking power circuits!

ZSLS 2.5/4S



Protective earth terminal
2 connections

Tension-spring connection

90.5 x 5.1 x 38.5

90.5 x 5.1 x 39.5

ZSLS 2.5/4S GNYE  **100**
3664.2

IEC **UL** **CSA***

6/3
-/V-0

PA6.6 / -40 °C to +120 °C
1/0

ZAPS 2.5/4S GN	
3692.1	50
ZST-V OG	
3687.3	50
ZST-V-I OG	
3690.3	50
ZST-C OG	
3689.3	50

ZES 35/2 BG	
3811.2	50
BWMA 1 (0.5 x 3.5 mm)	
3808.0	1
PMC SB 5/50 WH	
4600.7	500

Wall bushing for ZST

CONTA-CLIP's modular and flexible **ZST** connection systems are in high demand wherever off-the-shelf units need to be connected or replaced. Pluggable wiring is thus permitted up to a rated current of 24 A and a rated voltage of 500 V.



Pluggable tension-spring connection ZST

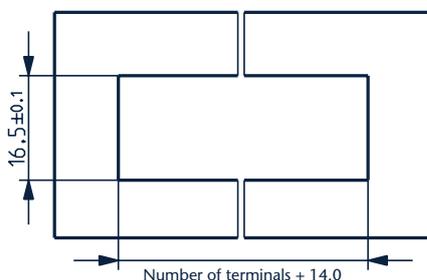


Effective panel feed-through bushings can be constructed simply by snapping the **ZST-WA** mounting adapter onto the **ZSTK 2.5/.../B** coupling element. These multi-pole units snap on sideways to the wall; the pressure on the inner slide mechanism ensures a secure attachment to the housing. The outer plug unit can be optionally fitted with locking elements.

...

Creating the cut-out in the wall

The height of the rectangular cut-out in the wall does not change. The length, however, varies depending on the number of aligned poles in the coupling/plug unit.



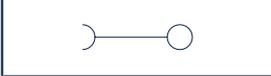
Your advantages

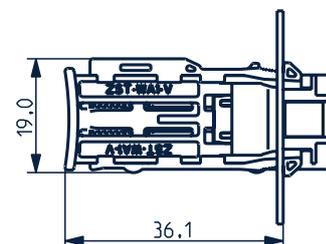
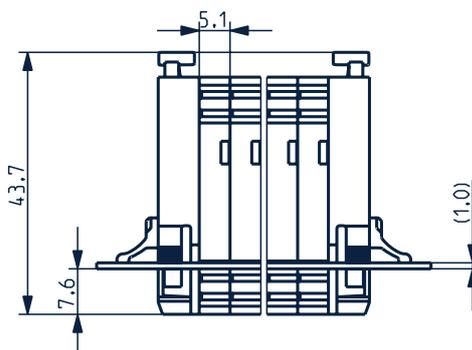
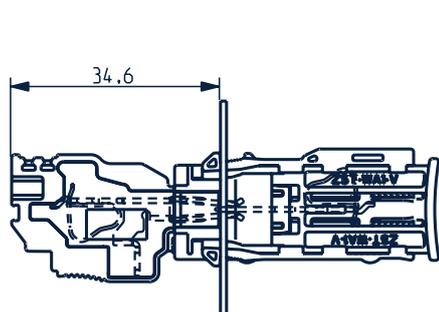
- Fast assembly and installation
- Versatile, modular construction
- High level of wiring safety due to the customised coding option
- Excellent mechanical attachment of the plug elements in the base terminals
- Test pick-off at each potential
- Comprehensive marking options



Features

- Tension-spring connection
- Pluggable terminal block system 2.5 mm²
- Pluggable cross-connection system ZQI
- Locking and coding system
- Material: PA 6.6 UL 94 V-0

Pluggable tension-spring connection		ZSTK 2.5/1A/1S-H/B	ZST-WA1	ZST-WAV1
<ul style="list-style-type: none"> Versatile and easy installation Finger-safe construction Can be coded Custom configurable 				
Connection diagram				
Description		Plug coupling horizontal	Wall adapter	Locking mechanism
Connection type		Tension-spring connection		
Size (L x W x H), mm		40 x 5.1 x 19		
Type / Colour with housing pegs		ZSTK 2.5/1A/1S-H/Z/B BG	ZST-WA1	ZST-WAV1 Q OG
Cat. no.	Qty.	3679.2 100	3693.2 10	3659.3 10
Type / Colour with housing pegs		ZSTK 2.5/1A/1S-H/Z/B BU		ZST-WAV1 OG
Cat. no.	Qty.	3679.5 100		3669.3 10
Type / Colour with housing pegs		ZSTK 2.5/1A/1S-H/Z/B OG		
Cat. no.	Qty.	3679.3 100		
Type / Colour with housing pegs		ZSTK 2.5/1A/1S-H/Z/B GNYE		
Cat. no.	Qty.	3679.0 100		
Ratings		IEC	UL	CSA*
Rated voltage (V)		500	300	300
Rated current (A)		24	20	20
Rated wire cross-section, mm ² / AWG		2.5 / 20 – 12		
Rated surge voltage kV / Contamination degree		6 / 3		
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A3 / V-0		
Connection data			- / V-0	- / V-0
Single wire (solid) / stranded (flexible), mm ²		0.5 – 4 / -		
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²		0.5 – 4 / 0.5 – 2.5		
Clamping range, mm ²		0.5 – 4		
Stripping length, mm		10		
Features				
Material of insulated housing / Temperature range		PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C	PA6.6 / -40 °C to +120 °C
Number of cross-connection channels / Test pick-off option		0 / 1		
Accessories				
End plate ZAPSK		ZAPSK 2.5/1A/1S BG		
Cat. no.	Qty.	3686.2 50		
Locking mechanism		ZST-V OG		
Cat. no.	Qty.	3687.3 50		
Strain relief		ZST-Z OG		
Cat. no.	Qty.	3688.3 50		
Coding		ZST-C OG		
Cat. no.	Qty.	3689.3 50		
Four-way cover ZAD		ZAD 2.5/4/B YE		
Cat. no.	Qty.	3706.0 20		
Metal actuating tool BWMA		BWMA 1 (0.5 x 3.5 mm)		
Cat. no.	Qty.	3808.0 1		
Quick marking PMC SB		PMC SB 5/50 WH		
Cat. no.	Qty.	4600.7 500		



* CAUTION: Not certified for breaking power circuits!

Initiator terminals | Actuator terminals ZINI/ ZAKTO | Potential distribution system ZMP



In order to start-up electromechanical functions in machinery and facilities, a link must be established from signal emitters (such as initiators, limit switches and pressure monitors), actuators (such as valves) and alert sources (such as indicator lights and flashing beacons) with the controller. These signals are consolidated in decentralized units in order to reduce the wiring overhead and speed up the troubleshooting process. Exacting demands are placed on the connection system that is used in the cramped, hard-to-reach installations for machinery and facilities.

Our **ZINI/ZAKTO** – consisting of the **ZIZA** base terminals and the **ZPL** potential distribution strip – is perfectly suited for such exacting requirements. The **ZIZA** base terminal is designed to for the signal level. It enables **ZPL** potential distribution strips (plus, minus and PE potentials) to be attached. The potential distribution strip consists of a individual slice each having one electrical connection. Depending on the application,

these individual slices can be linked to achieve the required number of poles. No additional cross-connector is needed since the potential distribution strip established its own electrical cross-connection using the base terminal. The **ZMP 1.5** potential distribution system makes it possible for the encoder, input, and control voltages (required centrally) to distribute their voltage supplies. It is easy to work with because of the modular design. The number of poles required is determined by the user's application. The **ZMP** consists of **ZMP 1.5** base terminals with four slots for plugging in the **ZPL** potential distribution strips. The patented, integrated cross-connection system on the **ZPL** potential distribution strip results in reduced costs and less time spent with cross-connections. The potential distribution strips are colour-coded (beige, reddish brown, blue, green-yellow, yellow, green, orange and red). Four potentials – together with the **ZBA** labelling adapters – can be conducted in parallel in addition to many adjacent potentials.

The system is compact, modular, and easy to work with. It is designed for 400 V and a current of 17.5 A. The **PMC SB** and **PMC BSTR** quick marking systems can be used for clear and convenient labelling on the **ZMP 1.5** base terminals and on the **ZBA** labelling adapters.



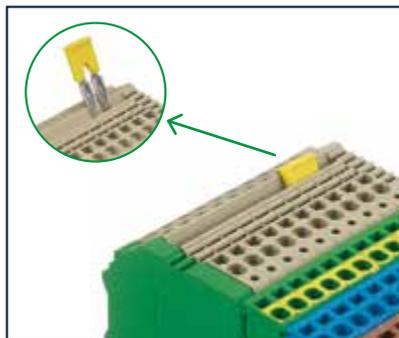
Your advantages

- Less wiring time
- More spacious connection space
- Automatically contacting potential distribution strip ZMP
- Clear colour labelling of potentials
- Universal status display
- Assembled block terminals available
- Test pick-off at each signal
- Comprehensive marking options

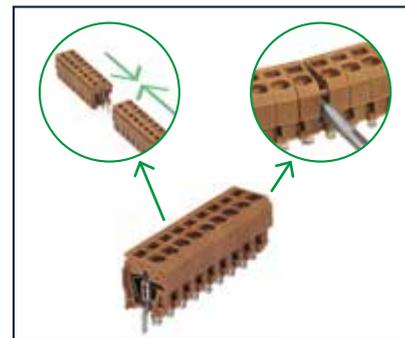
Features and advantages

ZINI / ZAKTO

- Small size of connection mechanism
- PE connection is possible
- Concise labelling
- Connection of initiators and actuators
- A modular systems for encoder and control signals
- 3- and 4-pole base terminals can be linked together to the required number of poles
- Potential distribution strips are colour-coded
- Compact design
- Available with or without status display
- The signal level can be cross-connected
- Potential distribution strip does not require additional cross-connection
- Quick assembly with top-down wire connection (TOP connection)
- Rated voltage of 400 V
- Available as individual terminal or assembled block terminal



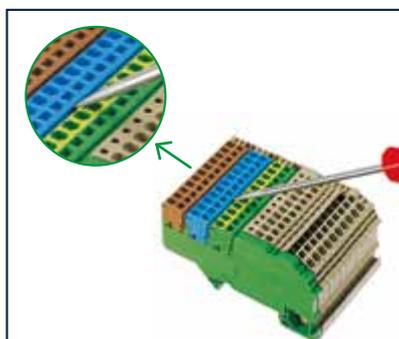
Pluggable cross-connection system **ZQI**, for the signal level, 2 – 10 poles (only **ZINI/ZAKTO**).



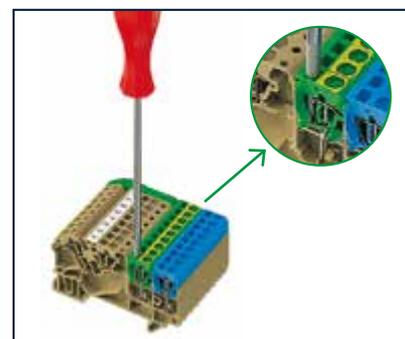
Potential distribution strip is easy to link and separate

ZMP 1.5

- Small size of connection mechanism
- Potential distribution strip is colour-coded
- Compact design
- Quick assembly with top-down wire connection (TOP connection)
- Rated voltage of 400 V



The **ZPL** potential distribution strip is easy to plug in or remove from the base terminal.



The TOP connection is easy to operate in cramped working conditions.



Features

- Tension-spring connection
- Initiator/ actuator/ potential distribution terminals 1.5 mm²
- Pluggable cross-connection system ZQI
- Material: PA 6.6 UL 94 V-0
- PE foot contact on both sides

Block variants ZIZA

Block-version single terminals are connected underneath each other with pegs. This results in increased design stability compared with individual terminals. All CONTA-CLIP block variants can be snapped on using their two snap-on feet on both the left and right sides of the terminals – for a quick and easy attachment with only one grip required. Removing the blocks is just as quick – using the connected feet with the help of a screwdriver. The standard block variants are available with 8, 9, 16 and 17 poles, as well as customer-specific versions up to 32 poles. The advantage of the block variants over the individual

terminals is not only their better mechanical stability. They also help you to reduce inventory and installation times and thus lower your costs!

Initiator terminals | Actuator terminals ZINI/ZAKTO | Potential distribution system ZMP 1.5

	Base terminal ZIZA 1.5/3 3-wire	Base terminal ZIZA 1.5/3/LD 3-wire LED	Base terminal ZIZA 1.5/3 PE 3-wire	Base terminal ZIZA 1.5/4 4-wire	Base terminal ZIZA 1.5/4/LD 4-wire LED	Base terminal ZIZA 1.5/4/PE 4-wire LED
Configuration options for the ZINI/ ZAKTO individual components						
Cat. no.	3528.2	3530.2	3532.2	3533.2	3536.2	3537.2
3-wire initiator						
3-wire actuator						
3-wire initiator with PE						
Configuration options for the ZMP individual components	Base terminal ZMP 1.5					
Additional labelling options						

Additional labelling options

The **ZBA** labelling adapter is used to label the side-by-side **ZPL** potential distribution strips. The ZBA is also used to separate two different potentials within the **ZPL** holding slot on the base terminals.

In contrast to the **ZBA 2**, the **ZBA 2/Z** has pegs which form a mechanical (but electrically-separated) connection within a holding slot!

The **ZBA 2/Z/H** features a larger labelling surface which also simplifies the task of separating the contact on the **ZPL** potential distribution strip from the base terminals!

Potential distribution strips							PE				End plates
ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZBA 2	ZBA 2/Z	ZBA 2/Z/H	
Beige	Red-brown	Blue	Yellow	Green	Orange	Red	Yellow/green				
3738.2	3739.6	3742.5	3791.8	3792.1	3793.3	3739.9	3743.2	3786.2	3787.2	17036.2	ZAP/TW ZIZA 1.5/3 3746.2
											ZAP/TW ZIZA 1.5/4 3747.2
											ZAP/TW 1.5/3 3746.2
											ZAP/TW ZIZA 1.5/4 3747.2
											ZAP/TW 1.5/3 3746.2
											ZAP/TW ZIZA 1.5/4 3747.2
Potential distribution strips							PE				End plates
ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZPL 1.5	ZBA 2	ZBA 2/Z	ZBA 2/Z/H	
Beige	Red-brown	Blue	Yellow	Green	Orange	Red	Yellow/green				
											ZAP/ZMP 3785.2

CAUTION! Because of their construction, the following must be observed for ZINI/ZAKTO:

Procedure for using the PE base terminals

If the open side of the PE base terminal faces the right, then this must be set as the "first". If the open side of the PE base terminal faces the left, then this must be set on the end.

- The PE-potential distribution strip must (when needed) be inserted into the first position on the base terminal (directly adjacent to the signal level).
- When working with mixed assemblies (both 3- and 4-pole base terminals), the 3-pole terminal must be placed before the 4-pole terminal.

Initiator terminals | Actuator terminals ZIZA

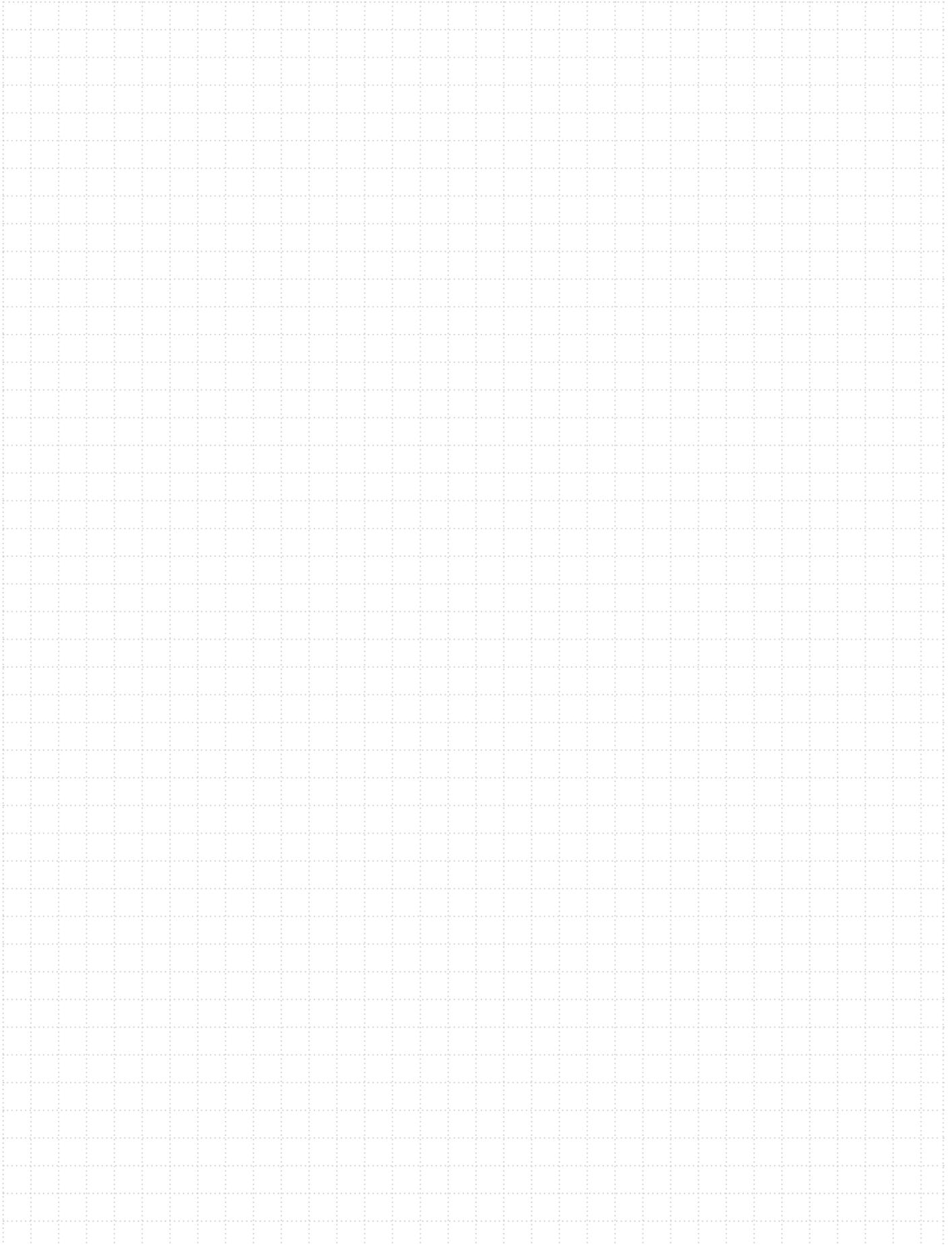
Tension-spring connection	ZIZA 1.5/3	ZIZA 1.5/3/LED	ZIZA 1.5/3/PE	ZIZA 1.5/3/E
<ul style="list-style-type: none"> Versatile installation on TS 35 Housing made of polyamide 6.6 UL 94 V-0 				
Connection diagram				
Description	Initiator / actuator terminals, 4 connections	Initiator / actuator terminals, 4 connections	Initiator / actuator terminals, 2 connections	Initiator / actuator terminals, 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35x 7.5 mm	68.7 x 5.1 x 40.5			
Type / colour	ZIZA 1.5/3 BG ●	ZIZA 1.5/3/LED (RD)/24 V BG ●	ZIZA 1.5/3/PE GNYE ●	ZIZA 1.5/3/E ●
Cat. no.	3528.2	3530.2	3532.2	3647.2
Qty.	100	100	20	20
Type / Colour	Block version/individual terminal	ZIZA 1.5/3/B BG ●		
Cat. no.	3529.2	3531.2		
Qty.	50	50		
Ratings	IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)	400 300 300	400 300 300		
Rated current (A)	17.5 12.5 12.5	17.5 12.5 12.5		
Rated wire cross-section, mm ² / AWG	1.5 / 26–14	1.5 / 26–14	1.5 / 26–14	1.5 / 26–14
Rated surge voltage kV / Contamination degree	4 / 3	4 / 3	4 / 3	4 / 3
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A1 / V-0	A1 / V-0	A1 / V-0	A1 / V-0
Connection data				
Single wire (solid) / stranded (flexible), mm ²	0.5–2.5 / -	0.5–2.5 / -	0.5–2.5 / -	0.5–2.5 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5–2.5 / 0.5–1.5	0.5–2.5 / 0.5–1.5	0.5–2.5 / 0.5–1.5	0.5–2.5 / 0.5–1.5
Clamping range, mm ²	0.08–2.5	0.08–2.5		
Stripping length, mm	8	8	8	8
Features				
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C			
Number of cross-connection channels / Test pick-off option	1 / -	1 / -		
Accessories				
ZAP end plate	ZAP/TW ZIZA 1.5/3 BG			
Cat. no.	3746.2	3746.2	3746.2	3746.2
Qty.	20	20	20	20
Label holder ZBA 2	ZBA 2 BG	ZBA 2 BG		
Cat. no.	3786.2	3786.2		
Qty.	50	50		
Label holder ZBA 2/Z	ZBA 2/Z BG	ZBA 2/Z BG		
Cat. no.	3787.2	3787.2		
Qty.	50	50		
Potential distribution strip ZPL	ZPL 1.5 BG	ZPL 1.5 BG		
Cat. no.	3738.2	3738.2		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 RB	ZPL 1.5 RB		
Cat. no.	3739.6	3739.6		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 RD	ZPL 1.5 RD		
Cat. no.	3739.9	3739.9		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 BU	ZPL 1.5 BU		
Cat. no.	3742.5	3742.5		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 PE GNYE			
Cat. no.	3743.2	3743.2	3743.2	3743.2
Qty.	100	100	100	100
Potential distribution strip ZPL	ZPL 1.5 OG	ZPL 1.5 OG		
Cat. no.	3793.3	3793.3		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 YE	ZPL 1.5 YE		
Cat. no.	3791.8	3791.8		
Qty.	100	100		
Potential distribution strip ZPL	ZPL 1.5 GN	ZPL 1.5 GN		
Cat. no.	3792.1	3792.1		
Qty.	100	100		
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE		
Cat. no.	3710.8	3710.8		
Qty.	50	50		
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE		
Cat. no.	3719.8	3719.8		
Qty.	1	1		
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2	3748.2
Qty.	50	50	50	50
Test adapter ZTA	ZTA 1.5	ZTA 1.5	ZTA 1.5	ZTA 1.5
Cat. no.	17034.2	17034.2	17034.2	17034.2
Qty.	10	10	10	10
Screwdriver SDB	SDB 0.5 x 3.0 mm			
Cat. no.	1085.0	1085.0	1085.0	1085.0
Qty.	1	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH			
Cat. no.	4600.7	4600.7	4600.7	4600.7
Qty.	500	500	500	500

ZIZA 1.5/4	ZIZA 1.5/4/LED	ZIZA 1.5/4/PE	ZIZA 1.5/4/E	ZMP 1.5	ZPL 1.5
Initiator / actuator terminals, 5 connections	Initiator / actuator terminals, 5 connections	Initiator / actuator terminals, 53 connections	Initiator / actuator terminals, 53 connections	Patch panel, 5 connections	Potential distribution strip
Tension-spring connection 82 x 5.1 x 40.5	Tension-spring connection 82 x 5.1 x 40.5	Tension-spring connection 82 x 5.1 x 40.5	Tension-spring connection 82 x 5.1 x 40.5	Tension-spring connection 68.7 x 5.1 x 40.5	Tension-spring connection 68.7 x 5.1 x 40.5
ZIZA 1.5/4 BG ●	ZIZA 1.5/4/LED (RD)/ 24 V BG ●	ZIZA 1.5/4/PE GNYE ●	ZIZA 1.5/4/E BG ●	ZMP 1.5 BG ●	ZPL 1.5 BG ●
3533.2 100	3536.2 100	3537.2 20	3648.2 20	3596.2 50	3738.2 100
ZIZA 1.5/4/B BG ●	ZIZA 1.5/4/B/LED (RD)/ 24 V BG ●				
3534.2 50	3535.2 50				
IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA	IEC UL CSA
400 300 300	400 300 300			400 300 300	400 300 300
17.5 12.5 12.5	17.5 12.5 12.5			17.5 12.5 12.5	17.5 12.5 12.5
1.5/26-14	1.5/26-14	1.5/26-14	1.5/26-14	1.5/26-14	1.5/26-14
4/3	4/3	4/3	4/3	4/3	4/3
A1/V-0	A1/V-0	A1/V-0	A1/V-0	A1/V-0	A1/V-0
0.5-2.5/-	0.5-2.5/-	0.5-2.5/-	0.5-2.5/-		0.5-2.5/-
0.5-2.5/ 0.5-1.5	0.5-2.5/ 0.5-1.5	0.5-2.5/ 0.5-1.5	0.5-2.5/ 0.5-1.5		0.5-2.5/ 0.5-1.5
0.08-2.5	0.08-2.5	0.08-2.5	0.08-2.5		0.08-2.5
8	8	8	8	8	8
PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C	PA6.6/-40 °C to +120 °C
1/-	1/-	-	-	-	-
ZAP/TW ZIZA 1.5/4 BG 3747.2 20	ZAP/TW ZIZA 1.5/4 BG 3747.2 20	ZAP/TW ZIZA 1.5/4 BG 3747.2 20	ZAP/TW ZIZA 1.5/4 BG 3747.2 20	ZAP ZMP BG 3785.2 20	ZBA 2 BG 3786.2 50
ZBA 2 BG 3786.2 50	ZBA 2 BG 3786.2 50			ZBA 2 BG 3786.2 50	ZBA 2 BG 3786.2 50
ZBA 2/Z BG 3787.2 50	ZBA 2/Z BG 3787.2 50			ZBA 2/Z BG 3787.2 50	ZBA 2/Z BG 3787.2 50
ZPL 1.5 BG 3738.2 100	ZPL 1.5 BG 3738.2 100			ZPL 1.5 BG 3738.2 100	
ZPL 1.5 RB 3739.6 100	ZPL 1.5 RB 3739.6 100			ZPL 1.5 RB 3739.6 100	
ZPL 1.5 RD 3739.9 100	ZPL 1.5 RD 3739.9 100	ZPL 1.5 RD 3739.9 100	ZPL 1.5 RD 3739.9 100	ZPL 1.5 RD 3739.9 100	
ZPL 1.5 BU 3742.5 100	ZPL 1.5 BU 3742.5 100			ZPL 1.5 BU 3742.5 100	
ZPL 1.5 PE GNYE 3743.2 100	ZPL 1.5 PE GNYE 3743.2 100	ZPL 1.5 PE GNYE 3743.2 100	ZPL 1.5 PE GNYE 3743.2 100		
ZPL 1.5 OG 3793.3 100	ZPL 1.5 OG 3793.3 100			ZPL 1.5 OG 3793.3 100	
ZPL 1.5 YE 3791.8 100	ZPL 1.5 YE 3791.8 100			ZPL 1.5 YE 3791.8 100	
ZPL 1.5 GN 3792.1 100	ZPL 1.5 GN 3792.1 100			ZPL 1.5 GN 3792.1 100	
ZQI 2.5/2 YE 3710.8 50	ZQI 2.5/2 YE 3710.8 50				
ZQI 2.5/0.5 w/99 poles YE 3719.8 1	ZQI 2.5/0.5 w/99 poles YE 3719.8 1				
ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50	
ZTA 1.5 17034.2 10	ZTA 1.5 17034.2 10	ZTA 1.5 17034.2 10	ZTA 1.5 17034.2 10	ZTA 1.5 17034.2 10	
SDB 0.5 x 3.0 mm 1085.0 1	SDB 0.5 x 3.0 mm 1085.0 1	SDB 0.5 x 3.0 mm 1085.0 1	SDB 0.5 x 3.0 mm 1085.0 1	SDB 0.5 x 3.0 mm 1085.0 1	SDB 0.5 x 3.0 mm 1085.0 1
PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	

Initiator terminals | Actuator terminals block version ZIZA

Tension-spring connection		ZIZA 1.5/3/.../POL	ZIZA 1.5/3/.../POL/PE	ZIZA 1.5/4/.../POL/PE
<ul style="list-style-type: none"> Foot base can be snapped on TS 35 DIN rail Housing made of polyamide 6.6 UL 94 V-0 				
Description		Terminal block 4 connections per signal	Terminal block 4 connections per signal	Terminal block 5 connections per signal
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) with TS 35 x 7.5 mm		68.7 x X x 40.5	68.7 x X x 40.5	82.5 x X x 40.5
Type / colour		ZIZA 1.5/3/9 POL BG ●	ZIZA 1.5/3/8 POL/PE BG ●	ZIZA 1.5/4/8 POL/PE BG ●
Cat. no.	Qty.	3641.2 5	3550.2 5	3556.2 5
Type / colour		ZIZA 1.5/3/9 POL/LED (RD)/24V BG ●	ZIZA 1.5/3/8 POL/LED (RD)/24V/PE BG ●	ZIZA 1.5/4/8 POL/LED (RD)/24V/PE BG ●
Cat. no.	Qty.	3642.2 5	3551.2 5	3557.2 5
Type / colour		ZIZA 1.5/3/17 POL BG ●	ZIZA 1.5/3/16 POL/PE BG ●	ZIZA 1.5/4/16 POL/PE BG ●
Cat. no.	Qty.	3643.2 1	3554.2 1	3560.2 1
Type / colour		ZIZA 1.5/3/17 POL/LED (RD)/24V BG ●	ZIZA 1.5/3/16 POL/LED (RD)/24V/PE BG ●	ZIZA 1.5/4/16 POL/LED (RD)/24V/PE BG ●
Cat. no.	Qty.	3644.2 1	3555.2 1	3561.2 1
Type / colour		ZIZA 1.5/3/8 POL BG ●	ZIZA 1.5/3/10 POL/PE BG ●	ZIZA 1.5/4/10 POL/PE BG ●
Cat. no.	Qty.	3544.2 5	3552.2 5	3558.2 5
Type / colour		ZIZA 1.5/3/8 POL/LED (RD)/24V BG ●	ZIZA 1.5/3/10 POL/LED (RD)/24V/PE BG ●	ZIZA 1.5/4/10 POL/LED (RD)/24V/PE BG ●
Cat. no.	Qty.	3545.2 5	3553.2 5	3559.2 5
Type / colour		ZIZA 1.5/3/10 POL BG ●		
Cat. no.	Qty.	3546.2 5		
Type / colour		ZIZA 1.5/3/10 POL/LED (RD)/24V BG ●		
Cat. no.	Qty.	3547.2 5		
Type / colour		ZIZA 1.5/3/16 POL BG ●		
Cat. no.	Qty.	3548.2 1		
Type / colour		ZIZA 1.5/3/16 POL/LED (RD)/24V BG ●		
Cat. no.	Qty.	3549.2 1		
Ratings		IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)		400 300 300	400 300 300	400 300 300
Rated current (A)		17.5 12.5 12.5	17.5 12.5 12.5	17.5 12.5 12.5
Rated wire cross-section, mm ² / AWG		1.5 / 26–14	1.5 / 26–14	1.5 / 26–14
Rated surge voltage kV / Contamination degree		4 / 3	4 / 3	4 / 3
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		A1 / V-0	A1 / V-0	A1 / V-0
Connection data				
Single wire (solid) / stranded (flexible), mm ²		0.5–2.5 / -	0.5–2.5 / -	0.5–2.5 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²		0.5–2.5 / 0.5–1.5	0.5–2.5 / 0.5–1.5	0.5–2.5 / 0.5–1.5
Clamping range, mm ²		0.08–2.5	0.08–2.5	0.08–2.5
Stripping length, mm		8	8	8
Features				
Material of insulated housing / Temperature range		PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option		2 / 0	2 / 0	2 / 0
Accessories				
Insulated cross-connector ZQI		ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	Qty.	3710.8 50	3710.8 50	3710.8 50
Insulated cross-connector ZQI		ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	Qty.	3719.8 1	3719.8 1	3719.8 1
End stop ZES		ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	Qty.	3748.2 50	3748.2 50	3748.2 50
Test adapter ZTA		ZTA 1.5	ZTA 1.5	ZTA 1.5
Cat. no.	Qty.	17034.2 10	17034.2 10	17034.2 10
Screwdriver SDB		SDB 0.5 x 3.5 mm	SDB 0.5 x 3.5 mm	SDB 0.5 x 3.5 mm
Cat. no.	Qty.	1085.0 1	1085.0 1	1085.0 1
Quick marking PMC SB		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

Notes



Compact terminal series for direct mounting

ZSRK | ZSLN



Tension-spring connection

The **ZSRK 2.5/2A/D/F** and **ZSRK 2.5/2A/RC** are direct-mount tension-spring terminals with interior cross-connection channels. They have a compact, modular design with a clamping range of 0.08 – 2.5 mm² and a rated voltage of 800 V. They allow you to mount a terminal block with the number of poles you need. This block can then be directly screwed on to the mounting plate (with the **ZSRK 2.5/2A/D/F**) or directly snapped on (with the **ZSRK 2.5/2A/RC**).

It is possible to label using the **SB** or **PMC** quick marking systems at each clamping point. If a cross-connection is not being used, that cross-connection channel can be used instead as a labelling channel. Clarity for wiring is ensured with a terminal width of only 5 mm and the tension-spring TOP connection.

These direct-mount terminals can be used for series production and for installations in cramped working conditions.

Individual connection groupings or circuits can be visually separated from one other by the different housing colours. Potentials can be multiplied via the interior cross-connection channel with the **ZQI 2.5** standard cross-connections (available in 2 – 10 poles and 99 poles).



The features in detail

Direct-mount snap-in clip

The **ZSRK 2.5/2A/D/RC** terminal is attached to the start and end of the terminal block. The **ZSRK 2.5/2A/D** (corresponding to the number of poles required) is positioned between these two terminals. For terminal blocks with more than six poles, we recommend mounting additional **ZSRK 2.5/2A/D/RC** poles between the **ZSRK 2.5/2A/D**s. This ensures proper mechanical support. The **ZAP-SR/RC** end plate is then snapped on to the end of this terminal block.



ZSRK 2.5 direct-mount with snap-in clip

Direct-mount screw flange

The **ZSRK 2.5/2A/D/F** terminal is mounted at the start of the terminal block and aligned with the **ZSRK 2.5/2A/D** terminals to the required number of poles. A **ZEH 1** end support is then snapped on to the end of this block. The starting terminal and the end support both have a screw flange so that the terminal block can be screwed directly on to the mounting plate/panel using an M3 screw.



ZSRK 2.5 direct-mount with screw flange



Your advantages

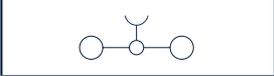
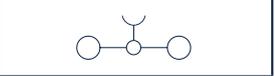
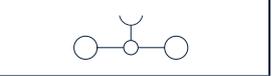
- Less wiring time
- More spacious connection space
- High rated voltage
- Test pick-off at each potential
- Many mounting options
- Comprehensive marking options



Features

- Tension-spring connection
- Direct-mount terminals 2.5 mm²
- Pluggable cross-connection system ZQI
- Material: PA 6.6 UL 94 V-0

Feed-through terminal ZSRK | PE terminals ZSLN for direct mounting

Tension-spring connection	ZSRK 2.5/2A/D	ZSLN 2.5/2A/D	ZSRK 2.5/2A-RC
<ul style="list-style-type: none"> Direct mounting / snap-in clip / screw flange Housing made of polyamide 6.6 UL 94 V-0 			
Connection diagram			
Description	Feed-through terminal 2 connections	Feed-through terminal RK 2 connections	Feed-through terminal with snap-in clip, 2 connections
Connection type	Tension-spring connection	Tension-spring connection	Tension-spring connection
Size (L x W x H) mm, direct mounting	40 x 5.1 x 24	40 x 5.1 x 24	40 x 5.1 x 24
Type / colour	ZSRK 2.5/2A-D BG 	ZSLN 2.5/2A-D BKYE 	ZSRK 2.5/2A-RC BG 
Cat. no.	3588.2	3638.2	3587.2
Qty.	100	100	100
Type / colour	ZSRK 2.5/2A-D BU 		ZSRK 2.5/2A-RC BU 
Cat. no.	3588.5		3587.5
Qty.	100		100
Type / colour	ZSRK 2.5/2A-D YE 		ZSRK 2.5/2A-RC OG 
Cat. no.	3588.8		3587.3
Qty.	100		100
Type / colour	ZSRK 2.5/2A-D RD 		
Cat. no.	3588.9		
Qty.	100		
Ratings	IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)	800 300 300		800 300 300
Rated current (A)	24 20 20		24 20 20
Rated wire cross-section, mm ² / AWG	2.5 / 20 – 12	2.5 / 20 – 12	2.5 / 20 – 12
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 ²	0.5 – 4 / -	0.5 – 4 / -	0.5 – 4 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5	0.5 – 4 / 0.5 – 2.5
Clamping range, mm ²	0.08 – 4	0.08 – 4	0.08 – 4
Stripping length, mm	10	10	10
Features			
Material of insulated housing / Temperature range	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C	PA6.6 / –40 °C to +120 °C
Number of cross-connection channels / Test pick-off option	1 / 2	1 / 2	1 / 2
Accessories			
ZAP end plate			ZAP SR/RC YE
Cat. no.			3758.8
Qty.			50
Insulated cross-connector ZQI	ZQI 2.5/2 YE	ZQI 2.5/2 YE	ZQI 2.5/2 YE
Cat. no.	3710.8	3710.8	3710.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE	ZQI 2.5/3 YE	ZQI 2.5/3 YE
Cat. no.	3711.8	3711.8	3711.8
Qty.	50	50	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE	ZQI 2.5/4 YE	ZQI 2.5/4 YE
Cat. no.	3712.8	3712.8	3712.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE	ZQI 2.5/5 YE	ZQI 2.5/5 YE
Cat. no.	3713.8	3713.8	3713.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE	ZQI 2.5/6 YE	ZQI 2.5/6 YE
Cat. no.	3714.8	3714.8	3714.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE	ZQI 2.5/7 YE	ZQI 2.5/7 YE
Cat. no.	3715.8	3715.8	3715.8
Qty.	20	20	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE	ZQI 2.5/8 YE	ZQI 2.5/8 YE
Cat. no.	3716.8	3716.8	3716.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE	ZQI 2.5/9 YE	ZQI 2.5/9 YE
Cat. no.	3717.8	3717.8	3717.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE	ZQI 2.5/10 YE	ZQI 2.5/10 YE
Cat. no.	3718.8	3718.8	3718.8
Qty.	10	10	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE	ZQI 2.5/0.5 w/99 poles YE
Cat. no.	3719.8	3719.8	3719.8
Qty.	1	1	1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	3706.0	3706.0	3706.0
Qty.	20	20	20
Metal actuating tool BWMA	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BWMA 1 (0.5 x 3.5 mm)
Cat. no.	3808.0	3808.0	3808.0
Qty.	1	1	1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7
Qty.	500	500	500
Test plug	ZTA 2.5	ZTA 2.5	ZTA 2.5
Cat. no.	3740.2	3740.2	3740.2
Qty.	10	10	10

Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

The standard **ZSRK 2.5**, **ZRK 2.5** and **ZRKD 2.5** tension-spring terminals from the CON-TA-CONNECT line can be retroactively converted to pluggable versions by using the **STL 950/.../5.08-G-L** male pin headers.

It is quick and easy to connect each connection level with the pin header.

The **BW** actuating tool (available in 1 to 10 poles) can be used to open up to ten springs simultaneously. This simplifies and accelerates the installation process.

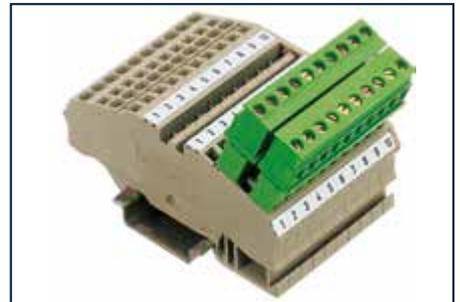
The combination of the **ZRK** pressure-spring technology and the **CONTA-CON** PCB connectors results in a dramatic reduction in expensive final-assembly overhead. It also enables quick replacements during maintenance and repair work. All combinations can be coded without loss of polarity.



ZRK 2.5/2A combined with STL 950/10/5.08-G-L



ZRK 2.5/3A combined with STL 950/10/5.08-G-L



ZRK 2.5/4A combined with STL 950/10/5.08-G-L



ZRKD 2.5/2A combined with STL 950/10/5.08-G-L



ZSRK 2.5/2A with STL 950/10/5.08-G-L



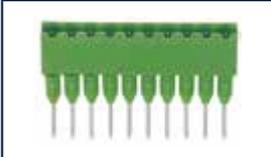
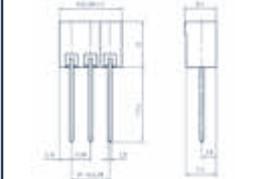
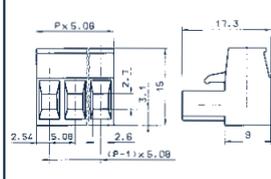
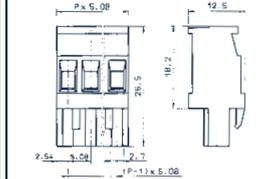
ZSRK 2.5/3A with the BW 10 actuating tool



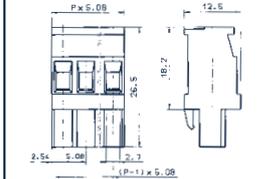
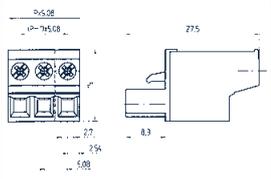
Notice

With voltage up to 42 V, connectors may only be plugged in or disconnected when under no load. If the outgoing side of the tension-spring terminals is configured with the male pin headers STL 950/.../5.08-G-L, then the rated voltage must not exceed 50 V, since the current-carrying male pin headers are not safe to touch when unplugged.

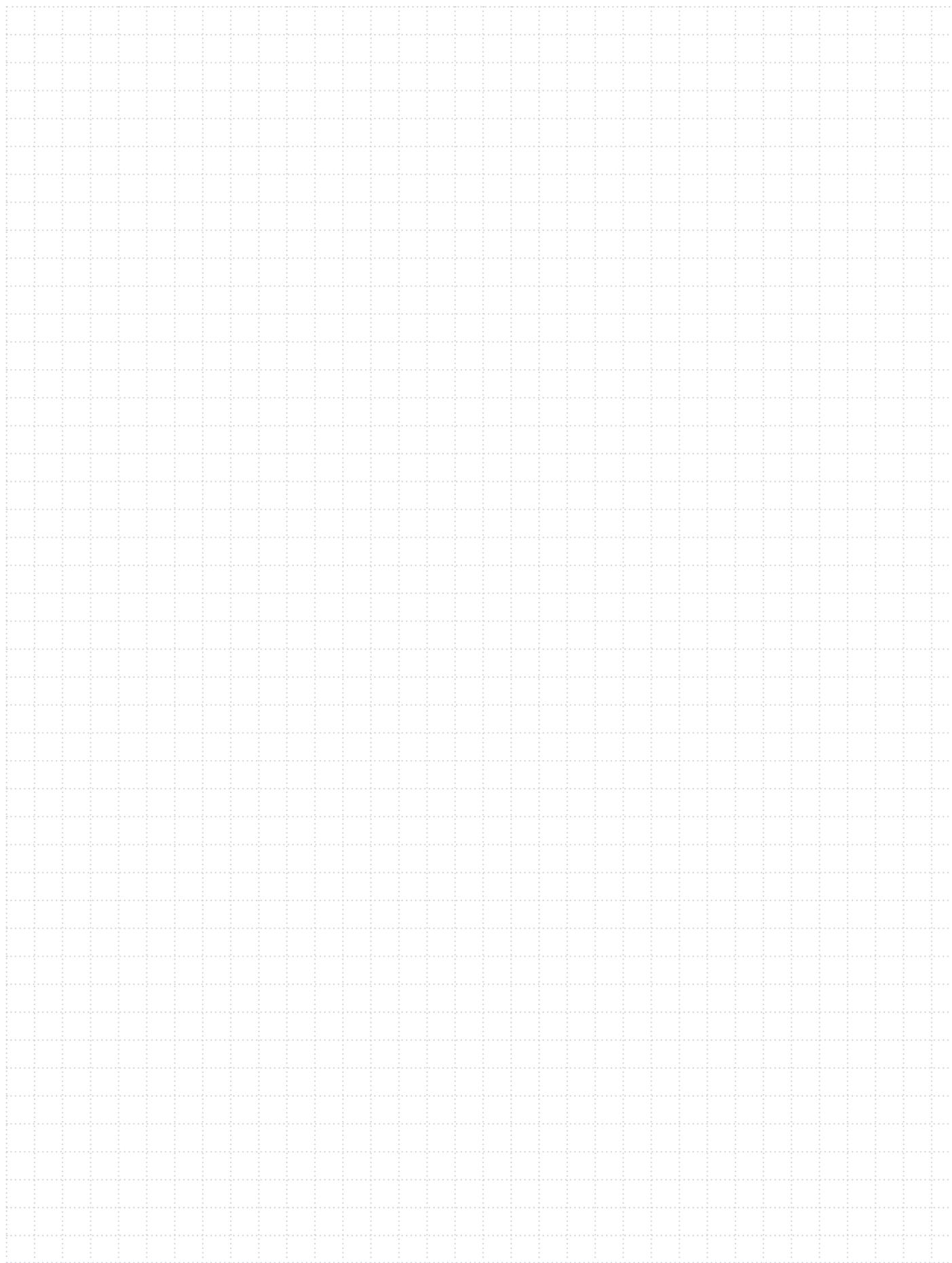
Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

Tension-spring connection		STL 950/.../5.08-G-L	PKB 950/.../5.08	PKB 1100/.../5.08
<ul style="list-style-type: none"> Colour: grey, RAL 6018 Housing made of polyamide 6.6 UL 94 V-0 				
Diagram				
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Dimensions		Pole count x 5.08 + 1.2	Pole count x 5.08	Pole count x 5.08
Type / Colour	2-pole	STL 950/2/5.08-G-L GN ●	PKB 950/2/5.08 GN ●	PKB 1100/2/5.08 GN ●
Cat. no.	Qty.	13154.1 50	11230.1 50	11305.1 50
Type / Colour	3-pole	STL 950/3/5.08-G-L GN ●	PKB 950/3/5.08 GN ●	PKB 1100/3/5.08 GN ●
Cat. no.	Qty.	13155.1 50	11231.1 50	11306.1 50
Type / Colour	4-pole	STL 950/4/5.08-G-L GN ●	PKB 950/4/5.08 GN ●	PKB 1100/4/5.08 GN ●
Cat. no.	Qty.	13156.1 50	11232.1 50	11307.1 50
Type / Colour	5-pole	STL 950/5/5.08-G-L GN ●	PKB 950/5/5.08 GN ●	PKB 1100/5/5.08 GN ●
Cat. no.	Qty.	13157.1 50	11233.1 50	11308.1 50
Type / Colour	6-pole	STL 950/6/5.08-G-L GN ●	PKB 950/6/5.08 GN ●	PKB 1100/6/5.08 GN ●
Cat. no.	Qty.	13158.1 50	11234.1 50	11309.1 50
Type / Colour	7-pole	STL 950/7/5.08-G-L GN ●	PKB 950/7/5.08 GN ●	PKB 1100/7/5.08 GN ●
Cat. no.	Qty.	13159.1 50	11235.1 50	11310.1 50
Type / Colour	8-pole	STL 950/8/5.08-G-L GN ●	PKB 950/8/5.08 GN ●	PKB 1100/8/5.08 GN ●
Cat. no.	Qty.	13160.1 50	11236.1 50	11311.1 50
Type / Colour	9-pole	STL 950/9/5.08-G-L GN ●	PKB 950/9/5.08 GN ●	PKB 1100/9/5.08 GN ●
Cat. no.	Qty.	13161.1 50	11237.1 50	11312.1 50
Type / Colour	10-pole	STL 950/10/5.08-G-L GN ●	PKB 950/10/5.08 GN ●	PKB 1100/10/5.08 GN ●
Cat. no.	Qty.	13162.1 50	11238.1 50	11313.1 50
Ratings		IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)		250 300 250	250 300 250	250 300 250
Rated current (A)		12 15 12 (T60)	12 15 12 (T60)	12 15 12 (T60)
Rated wire cross-section, mm ² / AWG			2.5 / 22-12	2.5 / 22-12
Rated surge voltage kV / Contamination degree		4 / 3	4 / 3	4 / 3
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		- / V-0	- / V-0	- / V-0
Connection data				
Single wire (solid) / stranded (flexible), mm ²			0.2-2.5 / -	0.2-2.5 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²			0.2-2.5 / 0.2-2.5	0.2-2.5 / 0.2-2.5
Clamping range, mm ²			0.08-2.5	0.08-2.5
Stripping length, mm			6	7
Torque, Nm / Screw			0.5 / Slotted M3	0.5 / Slotted M3
Special connection				
Features				
Material of insulated housing / Temperature range		PA6.6 / -30 to +105 °C	PA6.6 / -30 to +105 °C	PA6.6 / -30 to +105 °C
Number of cross-connection channels / Test pick-off option				
Accessories				
Coding K		K2 RD	K1 RD	K1 RD
Cat. no.	Qty.	12003.9 100	12002.9 100	12002.9 100
labelling card BK		BK 1-12/5.08	BK 1-12/5.08	BK 1-12/5.08
Cat. no.	Qty.	2960.0 10	2960.0 10	2960.0 10
labelling card BK		BK 13-24/5.08	BK 13-24/5.08	BK 13-24/5.08
Cat. no.	Qty.	2961.0 10	2961.0 10	2961.0 10
Dummy plug BLS		BLS-STL GN		
Cat. no.	Qty.	13284.1 100		
For terminal				
		ZSRK 2.5 ...		
		ZSLN 2.5 ...		
		ZRK 2.5 ...		
		ZSL 2.5 ...		
		ZRKD 2.5 ...		
		ZSLD 2.5 ...		
		ZIKD 2.5 ...		
		ZTRK 2.5 ...		
		ZVMAK 2.5 ...		

Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

Tension-spring connection		PKB 1110/.../5.08	PBT 1200/.../5.08	BW
<ul style="list-style-type: none"> • Colour: grey, RAL 6018 • Housing made of polyamide 6.6 UL 94 V-0 				
Diagram				
Connection type		Tension-spring connection	Tension-spring connection	
Dimensions		Pole count x 5.08	Pole count x 5.08	
Type / Colour	2-pole	PKB 1110/2/5.08 GN ●	PBT 1200/2/5.08 GN ●	BW 2 (ZRK)
Cat. no.	Qty.	11339.1 50	11354.1 50	3779.0 1
Type / Colour	3-pole	PKB 1110/3/5.08 GN ●	PBT 1200/3/5.08 GN ●	BW 3 (ZRK)
Cat. no.	Qty.	11340.1 50	11355.1 50	3780.0 1
Type / Colour	4-pole	PKB 1110/4/5.08 GN ●	PBT 1200/4/5.08 GN ●	BW 4 (ZRK)
Cat. no.	Qty.	11341.1 50	11356.1 50	3781.0 1
Type / Colour	5-pole	PKB 1110/5/5.08 GN ●	PBT 1200/5/5.08 GN ●	BW 5 (ZRK)
Cat. no.	Qty.	11342.1 50	11357.1 50	3782.0 1
Type / Colour	6-pole	PKB 1110/6/5.08 GN ●	PBT 1200/6/5.08 GN ●	BW 6 (ZRK)
Cat. no.	Qty.	11343.1 50	11358.1 50	3802.0 1
Type / Colour	7-pole	PKB 1110/7/5.08 GN ●	PBT 1200/7/5.08 GN ●	BW 7 (ZRK)
Cat. no.	Qty.	11344.1 50	11359.1 50	3803.0 1
Type / Colour	8-pole	PKB 1110/8/5.08 GN ●	PBT 1200/8/5.08 GN ●	BW 8 (ZRK)
Cat. no.	Qty.	11345.1 50	11360.1 50	3804.0 1
Type / Colour	9-pole	PKB 1110/9/5.08 GN ●	PBT 1200/9/5.08 GN ●	BW 9 (ZRK)
Cat. no.	Qty.	11346.1 50	11361.1 50	3805.0 1
Type / Colour	10-pole	PKB 1110/10/5.08 GN ●	PBT 1200/10/5.08 GN ●	BW 10 (ZRK)
Cat. no.	Qty.	11347.1 50	11362.1 50	3806.0 1
Ratings		IEC UL CSA	IEC UL CSA	IEC UL CSA
Rated voltage (V)		250 300 250	250 300 250	250 300 250
Rated current (A)		12 15 12 (T60)	12 15 12 (T60)	12 15 12 (T60)
Rated wire cross-section, mm ² / AWG		2.5 / 22–12	2.5 / 22–12	2.5 / 22–12
Rated surge voltage kV / Contamination degree		4 / 3	4 / 3	4 / 3
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94		- / V-0	- / V-0	- / V-0
Connection data				
Single wire (solid) / stranded (flexible), mm ²		0.2–2.5 / -	0.2–2.5 / -	0.2–2.5 / -
Finely-stranded / finely-stranded (w/ferrules acc. to DIN 46228/1), mm ²		0.2–2.5 / 0.2–2.5	0.2–2.5 / 0.2–2.5	0.2–2.5 / 0.2–2.5
Clamping range, mm ²		0.08–2.5	0.08–2.5	0.08–2.5
Stripping length, mm		7	6	7
Torque, Nm / Screw		0.5 / Slotted M3	0.5 / Slotted M3	0.5 / Slotted M3
Special connection				
Features				
Material of insulated housing / Temperature range		PA6.6 / -30 to +105 °C	PA6.6 / -30 to +105 °C	PA6.6 / -30 to +105 °C
Number of cross-connection channels / Test pick-off option				
Accessories				
Coding K		K2 RD	K1 RD	K1 RD
Cat. no.	Qty.	12003.9 100	12002.9 100	12002.9 100
labelling card BK		BK 1–12/5.08	BK 1–12/5.08	BK 1–12/5.08
Cat. no.	Qty.	2960.0 10	2960.0 10	2960.0 10
labelling card BK		BK 13–24/5.08	BK 13–24/5.08	BK 13–24/5.08
Cat. no.	Qty.	2961.0 10	2961.0 10	2961.0 10

Notes



Overview

End plates

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



Cross-connections

The cross-connectors are available from 2 to 10 poles and with 99 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 mm² and 4 mm². With tension-spring terminals of larger cross-sections, standard cross-connectors can connect to a single terminal of the next size up for the power feed-in.

The **ZQI** cross-connection system can carry the rated voltage and rated current.



Four-way covers

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



Labelling adapter

In addition to the standard holder in the terminal housing, you can also label the multi-level terminals. The **ZBA** labelling adapter can be attached to the middle of the terminal housing – even when the terminal is wired up.



Test adapter

The **ZTA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner. Wire with cross-sections from 0.5 mm² to 1 mm² can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.



Reducing sleeves

CONTA-CLIP offers reducing sleeves for cross-sections of 2.5 mm² and 4.0 mm². This ensures that small wires are properly positioned in their terminal points without any splicing off of individual strands. A professional and proper contact is ensured when the reducing sleeves are attached prior to the connection.



Fuse holders

The **ZS/.../.../ZTRK** plug-in fuse holders are available as models with or without a status display. When used together with the **FTRK 2.5** and **ZTRK 2.5** base terminals, they provide outstanding versatility and ease of use.



Actuating tools

The spring terminals with 2.5-mm² cross-section can be operated using the **BW 1 to BW 10** fully insulated tools and the **BWMA** metallic tool. The special **BW** tools enable you to open multiple terminal points simultaneously. The plastic actuating tool features improved safety when working on running facility sections.



End plates | Visual separation

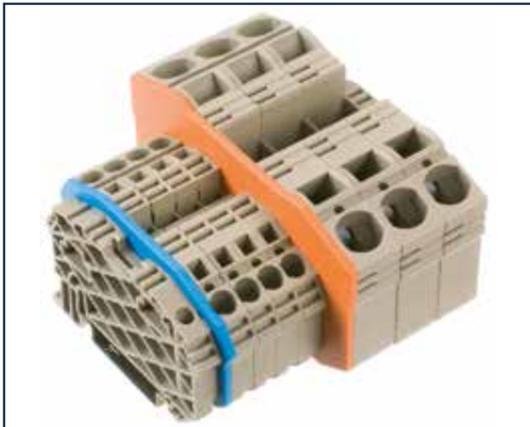


Tension-spring connection

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

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

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



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

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3758.2	ZAP SR/RC BG	Beige	50	5 mm	PA 6.6 V-0	ZSRK 2.5/2A/RC ZSLN 2.5/2A/RC
3758.1	ZAP SR/RC GN	Green	50	5 mm	PA 6.6 V-0	ZSRK 2.5/2A/RC ZSLN 2.5/2A/RC

End plates for standard compact terminal blocks ZSRK/ZSLN

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3757.2	ZAP SR BG	Beige	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/2A/RC ZSLN 2.5/2A/RC
3757.5	ZAP SR BU	Blue	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/2A/RC ZSLN 2.5/2A/RC
3757.3	ZAP SR OG	Orange	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/2A ZSLN 2.5/2A
3757.1	ZAP SR GN	Green	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/2A ZSLN 2.5/2A
3794.2	ZAP SR 3A/15 BG	Beige	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/15 ZSLN 2.5/3A/15
3794.3	ZAP SR 3A/15 OG	Orange	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/15 ZSLN 2.5/3A/15
3794.1	ZAP SR 3A/15 GN	Green	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/15 ZSLN 2.5/3A/15
3795.2	ZAP SR 3A/35 BG	Beige	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/35 ZSLN 2.5/3A/35
3795.5	ZAP SR 3A/35 BU	Blue	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/35 ZSLN 2.5/3A/35
3795.1	ZAP SR 3A/35 GN	Green	50	1.5 mm	PA 6.6 V-0	ZSRK 2.5/3A/35 ZSLN 2.5/3A/35

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3700.2	ZAP 2.5/2A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3700.5	ZAP 2.5/2A BU	Blue	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3700.3	ZAP 2.5/2A OG	Orange	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3700.1	ZAP 2.5/2A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3700.9	ZAP 2.5/2A RD	Red	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3700.8	ZAP 2.5/2A YE	Yellow	50	2 mm	PA 6.6 V-0	ZRK 2.5/2A ZSL 2.5/2A
3701.2	ZAP 2.5/3A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 2.5/3A ZSL 2.5/3A
3701.5	ZAP 2.5/3A BU	Blue	50	2 mm	PA 6.6 V-0	ZRK 2.5/3A ZSL 2.5/3A
3701.3	ZAP 2.5/3A OG	Orange	50	2 mm	PA 6.6 V-0	ZRK 2.5/3A ZSL 2.5/3A
3701.1	ZAP 2.5/3A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 2.5/3A ZSL 2.5/3A
3702.2	ZAP 2.5/4A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 2.5/4A ZSL 2.5/4A
3702.5	ZAP 2.5/4A BU	Blue	50	2 mm	PA 6.6 V-0	ZRK 2.5/4A ZSL 2.5/4A
3702.3	ZAP 2.5/4A OG	Orange	50	2 mm	PA 6.6 V-0	ZRK 2.5/4A ZSL 2.5/4A
3702.1	ZAP 2.5/4A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 2.5/4A ZSL 2.5/4A
3703.2	ZAP 4/2A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 4/2A ZSL 4/2A
3703.5	ZAP 4/2A BU	Blue	50	2 mm	PA 6.6 V-0	ZRK 4/2A ZSL 4/2A
3703.3	ZAP 4/2A OG	Orange	50	2 mm	PA 6.6 V-0	ZRK 4/2A ZSL 4/2A
3703.1	ZAP 4/2A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 4/2A ZSL 4/2A
3703.8	ZAP 4/2A YE	Yellow	50	2 mm	PA 6.6 V-0	ZRK 4/2A ZSL 4/2A
3704.2	ZAP 4/3A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 4/3A ZSL 4/3A
3704.1	ZAP 4/3A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 4/3A ZSL 4/3A
3705.2	ZAP 4/4A BG	Beige	50	2 mm	PA 6.6 V-0	ZRK 4/4A ZSL 4/4A
3705.5	ZAP 4/4A BU	Blue	50	2 mm	PA 6.6 V-0	ZRK 4/4A ZSL 4/4A
3705.3	ZAP 4/4A OG	Orange	50	2 mm	PA 6.6 V-0	ZRK 4/4A ZSL 4/4A
3705.1	ZAP 4/4A GN	Green	50	2 mm	PA 6.6 V-0	ZRK 4/4A ZSL 4/4A

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3760.2	ZAP 6/2A BG	Beige	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3760.5	ZAP 6/2A BU	Blue	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3760.3	ZAP 6/2A OG	Orange	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3760.1	ZAP 6/2A GN	Green	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3760.9	ZAP 6/2A RD	Red	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3760.8	ZAP 6/2A YE	Yellow	20	2 mm	PA 6.6 V-0	ZRK 6/2A ZSL 6/2A
3788.2	ZAP 10/2A BG	Beige	20	2 mm	PA 6.6 V-0	ZRK 10/2A ZSL 10/2A
3788.5	ZAP 10/2A BU	Blue	20	2 mm	PA 6.6 V-0	ZRK 10/2A ZSL 10/2A
3788.3	ZAP 10/2A OG	Orange	20	2 mm	PA 6.6 V-0	ZRK 10/2A ZSL 10/2A
3788.1	ZAP 10/2A GN	Green	20	2 mm	PA 6.6 V-0	ZRK 10/2A ZSL 10/2A
3799.2	ZAP 16/2A BG	Beige	20	2 mm	PA 6.6 V-0	ZRK 16/2A ZSL 16/2A
3799.5	ZAP 16/2A BU	Blue	20	2 mm	PA 6.6 V-0	ZRK 16/2A ZSL 16/2A
3799.3	ZAP 16/2A OG	Orange	20	2 mm	PA 6.6 V-0	ZRK 16/2A ZSL 16/2A
3799.1	ZAP 16/2A GN	Green	20	2 mm	PA 6.6 V-0	ZRK 16/2A ZSL 16/2A

End plates for double-level terminal blocks ZRKD/ZSLD

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3756.2	ZAPD 2.5 BG	Beige	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5
3756.5	ZAPD 2.5 BU	Blue	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5
3756.3	ZAPD 2.5 OG	Orange	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5
3756.1	ZAPD 2.5 GN	Green	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5
3756.9	ZAPD 2.5 RD	Red	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5
3756.8	ZAPD 2.5 YE	Yellow	20	2 mm	PA 6.6 V-0	ZRKD 2.5 ZSLD 2.5

End plates for initiator terminal blocks ZINI/ZAKTO/ZMP

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3746.2	ZAP/TW/ZIZA 1.5/3 BG	Beige	20	5 mm	PA 6.6 V-0	ZIZA 1.5/3 ZIZA 1.5/3/PE
3747.2	ZAP/TW/ZIZA 1.5/4 BG	Beige	20	5 mm	PA 6.6 V-0	ZIZA 1.5/4 ZIZA 1.5/4/PE
3785.2	ZAP ZMP BG	Beige	20	5 mm	PA 6.6 V-0	ZMP 1.5

End plates for multi-level terminal blocks ZIKD/ZVMAK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3761.2	ZAP 2.5/ID BG	Beige	20	1.5 mm	PA 6.6 V-0	ZIKD 2.5
3761.5	ZAP 2.5/ID BU	Blue	20	1.5 mm	PA 6.6 V-0	ZIKD 2.5
3762.2	ZAP MA BG	Beige	20	1.5 mm	PA 6.6 V-0	ZVMAK 2.5

End plates for disconnect and fused terminal blocks ZTRK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3796.2	ZAPT 2.5/2A BG	Beige	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/2A
3796.5	ZAPT 2.5/2A BU	Blue	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/2A
3796.3	ZAPT 2.5/2A OG	Orange	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/2A
3797.2	ZAPT 2.5/3A BG	Beige	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/3A
3797.3	ZAPT 2.5/3A OG	Orange	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/3A
3798.2	ZAPT 2.5/4A BG	Beige	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/4A
3798.5	ZAPT 2.5/4A BU	Blue	20	1.5 mm	PA 6.6 V-0	ZTRK 2.5/4A

Insulated cross-connections ZQI (potential distribution)



Tension-spring connection

The **ZQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges. The pluggable design of the **ZQI** offers the advantage that it can carry the rated current even while operating at the rated voltage. The **ZQI** is constructed to protect

against accidental touch. It is available in 2 – 10 poles and with up to 99 poles in the 2.5 mm² cross-section range.

Various potentials can be conducted in parallel for the cross-sectional range 2.5 mm² and 4 mm² without the loss of any poles.



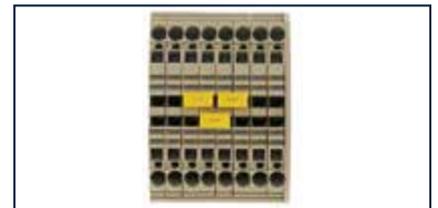
For the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact elements.



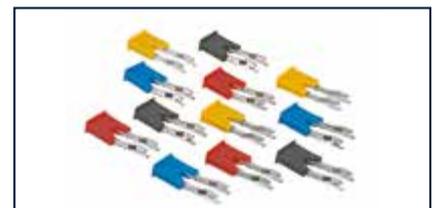
The cross-connection can be shorted using a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained. For standard terminal blocks in the cross-section range from 2.5 mm² to 4 mm², it is adequate to attach the **ZQIs** in an offset position (with two cross-connection channels).



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



In order to help distinguish between different potentials, other colour variants are available for the **ZQI 2.5** and **ZQI 4** cross-connectors.



Important note:

Do not change the shape of the **ZQIs** (do not take them apart or press together).



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

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

The cross-connections listed here can be used to connect up to twenty terminal blocks with each other. This flexible system helps you to save time during installation and thus also save money. The **ZQI 2.5/99** is a many-pole pluggable cross-connector for all tension-spring terminals with rated cross-sections of 2.5 mm². There is a captive connection between the insulation and the crest. The **ZQI 2.5/99** covers 99 poles. A suitable cutting tool can be used to shorten it to the required pole length. The **ZVQI 2.5** vertical cross-connector provides a pluggable electrical connection between the levels of the **ZRKD** and **ZIKD**. When a vertical connector is inserted, it is still possible to make a cross-connection to the neighbouring terminal blocks.

Insulated external cross-connector

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

Usage of ZQI



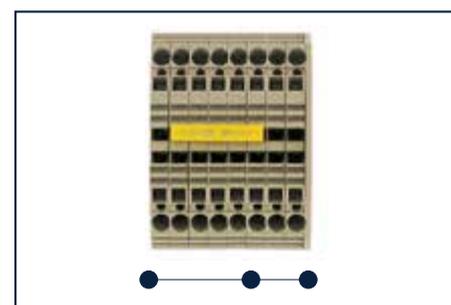
Cross-connection options



Individual



Side-by-side



Alternating



Parallel alternating



Parallel extended



Chain linked

Cross-connections ZQI (feeding potentials)



Tension-spring connection

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

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



Cross-connections ZQI (potential distribution)

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

Feed-in through	Outlet through	Feed-in at start left	Feed-in at end right
ZRK 2.5/2A (3500...)	ZRK 2.5/2A (3500...)	ZQI 2.5/...	not possible
	ZRK 2.5/3A (3501...)	ZQI 2.5/...	not possible
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	ZQI 2.5/2
	ZRK 4/2A (3515...)	ZQI 4/...	not possible
	ZRK 4/3A (3516...)	ZQI 4/...	not possible
	ZRK 4/4A (3517...)	ZQI 4/...	ZQI 4/2
ZRK 2.5/3A (3501...)	ZRK 6/2A (3581...)	ZQI 4/2	ZQI 2.5/...
	ZRK 2.5/2A (3500...)	not possible	ZQI 2.5/...
	ZRK 2.5/3A (3501...)	ZQI 2.5/...	not possible
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	ZQI 2.5/2
	ZRK 4/2A (3515...)	not possible	ZQI 2.5/2
	ZRK 4/3A (3516...)	ZQI 4/...	not possible
ZRK 2.5/4A (3502...)	ZRK 4/4A (3517...)	ZQI 4/...	ZQI 4/2
	ZRK 6/2A (3581...)	not possible	ZQI 2.5/...
	ZRK 2.5/2A (3500...)	not possible	ZQI 2.5/...
	ZRK 2.5/3A (3501...)	not possible	ZQI 2.5/...
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	ZQI 2.5/2
	ZRK 4/2A (3515...)	not possible	ZQI 2.5/2
ZRK 4/2A (3515...)	ZRK 4/3A (3516...)	not possible	ZQI 2.5/2
	ZRK 4/4A (3517...)	ZQI 4/...	ZQI 4/2
	ZRK 6/2A (3581...)	not possible	ZQI 4/2
	ZRK 2.5/2A (3500...)	ZQI 2.5/...	ZQI 4/2
	ZRK 2.5/3A (3501...)	ZQI 2.5/...	not possible
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	not possible
ZRK 4/3A (3516...)	ZRK 4/2A (3515...)	ZQI 4/...	ZQI 4/...
	ZRK 4/3A (3516...)	ZQI 4/...	not possible
	ZRK 4/4A (3517...)	ZQI 4/...	not possible
	ZRK 6/2A (3581...)	ZQI 4/2	ZQI 4/2
	ZRK 2.5/2A (3500...)	not possible	ZQI 4/2
	ZRK 2.5/3A (3501...)	ZQI 2.5/...	ZQI 4/2
ZRK 4/4A (3517...)	ZRK 2.5/4A (3502...)	ZQI 2.5/...	not possible
	ZRK 4/2A (3515...)	not possible	ZQI 4/...
	ZRK 4/3A (3516...)	ZQI 4/...	ZQI 4/...
	ZRK 4/4A (3517...)	ZQI 4/...	not possible
	ZRK 6/2A (3581...)	not possible	ZQI 4/2
	ZRK 2.5/2A (3500...)	not possible	ZQI 4/2
ZRK 6/2A (3581...)	ZRK 2.5/3A (3501...)	not possible	ZQI 4/2
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	ZQI 4/2
	ZRK 4/2A (3515...)	ZQI 4/...	ZQI 4/2
	ZRK 4/3A (3516...)	ZQI 4/...	ZQI 4/...
	ZRK 4/4A (3517...)	ZQI 4/...	ZQI 4/...
	ZRK 6/2A (3581...)	not possible	ZQI 4/2
ZRK 10/2A (3597...)	ZRK 2.5/2A (3500...)	ZQI 2.5/...	ZQI 4/2
	ZRK 2.5/3A (3501...)	ZQI 2.5/...	ZQI 4/2
	ZRK 2.5/4A (3502...)	ZQI 2.5/...	not possible
	ZRK 4/2A (3515...)	ZQI 2.5/...	not possible
	ZRK 4/3A (3516...)	ZQI 4/...	ZQI 4/...
	ZRK 4/4A (3517...)	ZQI 4/...	not possible
ZRK 16/2A (3636...)	ZRK 6/2A (3581...)	ZQI 6/...	ZQI 6.0/...
	ZRK 10/2A (3597...)	ZQI 10/2	ZQI 10/2
	ZRK 2.5/2A (3500...)	not possible	ZQI 2.5/...
	ZRK 2.5/3A (3501...)	not possible	ZQI 2.5/...
	ZRK 2.5/4A (3502...)	not possible	ZQI 2.5/...
	ZRK 4/2A (3515...)	not possible	ZQI 4/...
ZRK 16/2A (3636...)	ZRK 4/3A (3516...)	not possible	ZQI 4/...
	ZRK 4/4A (3517...)	not possible	ZQI 4/...
	ZRK 6/2A (3581...)	ZQI 6/...	ZQI 10/2
	ZRK 10/2A (3597...)	ZQI 10/2	ZQI 16/2
	ZRK 16/2A (3636...)	ZQI 16/2	ZQI 16/2

Insulated cross-connections ZQI | AQI | ZVQI

Cross-connections ZQI / AQI / ZVQI

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

ZQI 2.5...	ZQI 2.5/99	ZQI 4
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Description	ZQI 2.5...	ZQI 2.5/99	ZQI 4
Connection type	Cross-connection insulated Tension-spring connection	Cross-connection insulated Tension-spring connection	Cross-connection insulated Tension-spring connection
Type / Colour	2-pole ZQI 2.5/2 YE ●		ZQI 4/2 YE ●
<i>Cat. no.</i>	3710.8		3720.8
Qty.	50		50
Type / Colour	2-pole ZQI 2.5/2 RD ●		
<i>Cat. no.</i>	3710.9		
Qty.	50		
Type / Colour	2-pole ZQI 2.5/2 BK ●		
<i>Cat. no.</i>	3710.4		
Qty.	50		
Type / Colour	3-pole ZQI 2.5/3 YE ●		ZQI 4/3 YE ●
<i>Cat. no.</i>	3711.8		3721.8
Qty.	50		50
Type / Colour	3-pole ZQI 2.5/3 RD ●		
<i>Cat. no.</i>	3711.9		
Qty.	50		
Type / Colour	3-pole ZQI 2.5/3 BK ●		
<i>Cat. no.</i>	3711.4		
Qty.	50		
Type / Colour	4-pole ZQI 2.5/4 YE ●		ZQI 4/4 YE ●
<i>Cat. no.</i>	3712.8		3722.8
Qty.	20		20
Type / Colour	4-pole ZQI 2.5/4 RD ●		
<i>Cat. no.</i>	3712.9		
Qty.	20		
Type / Colour	4-pole ZQI 2.5/4 BK ●		
<i>Cat. no.</i>	3712.4		
Qty.	20		
Type / Colour	5-pole ZQI 2.5/5 YE ●		ZQI 4/5 YE ●
<i>Cat. no.</i>	3713.8		3723.8
Qty.	20		20
Type / Colour	5-pole ZQI 2.5/5 RD ●		
<i>Cat. no.</i>	3713.9		
Qty.	20		
Type / Colour	5-pole ZQI 2.5/5 BK ●		
<i>Cat. no.</i>	3713.4		
Qty.	20		
Type / Colour	6-pole ZQI 2.5/6 YE ●		ZQI 4/6 YE ●
<i>Cat. no.</i>	3714.8		3724.8
Qty.	20		20
Type / Colour	6-pole ZQI 2.5/6 RD ●		
<i>Cat. no.</i>	3714.9		
Qty.	20		
Type / Colour	6-pole ZQI 2.5/6 BK ●		
<i>Cat. no.</i>	3714.4		
Qty.	20		
Type / Colour	7-pole ZQI 2.5/7 YE ●		ZQI 4/7 YE ●
<i>Cat. no.</i>	3715.8		3725.8
Qty.	20		20
Type / Colour	7-pole ZQI 2.5/7 RD ●		
<i>Cat. no.</i>	3715.9		
Qty.	20		
Type / Colour	7-pole ZQI 2.5/7 BK ●		
<i>Cat. no.</i>	3715.4		
Qty.	20		
Type / Colour	8-pole ZQI 2.5/8 YE ●		ZQI 4/8 YE ●
<i>Cat. no.</i>	3716.8		3726.8
Qty.	10		10
Type / Colour	8-pole ZQI 2.5/8 RD ●		
<i>Cat. no.</i>	3716.9		
Qty.	10		
Type / Colour	8-pole ZQI 2.5/8 BK ●		
<i>Cat. no.</i>	3716.4		
Qty.	10		
Type / Colour	9-pole ZQI 2.5/9 YE ●		ZQI 4/9 YE ●
<i>Cat. no.</i>	3717.8		3727.8
Qty.	10		10
Type / Colour	9-pole ZQI 2.5/9 RD ●		
<i>Cat. no.</i>	3717.9		
Qty.	10		
Type / Colour	9-pole ZQI 2.5/9 BK ●		
<i>Cat. no.</i>	3717.4		
Qty.	10		
Type / Colour	10-pole ZQI 2.5/10 YE ●		ZQI 4/10 YE ●
<i>Cat. no.</i>	3718.8		3728.8
Qty.	10		10
Type / Colour	10-pole ZQI 2.5/10 RD ●		
<i>Cat. no.</i>	3718.9		
Qty.	10		
Type / Colour	10-pole ZQI 2.5/10 BK ●		
<i>Cat. no.</i>	3718.4		
Qty.	10		
Type / Colour	99-pole	ZQI 2.5/0.5 w/99 poles YE ●	
<i>Cat. no.</i>		3719.8	1
Qty.			
Type / Colour	99-pole	ZQI 2.5/0.5 w/99 poles RD ●	
<i>Cat. no.</i>		3719.9	1
Qty.			
Type / Colour	99-pole	ZQI 2.5/0.5 w/99 poles BK ●	
<i>Cat. no.</i>		3719.4	1
Qty.			
Type / Colour	99-pole	ZQI 2.5/0.5 w/99 poles BU ●	
<i>Cat. no.</i>		3719.5	1
Qty.			
Ratings			
Rated current (A)	24	24	32
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	800	800	800
Rated surge voltage kV/ Contamination degree	-/3	-/3	-/3
Pitch, mm	5	5	6
For terminal			
	ZSRK 2.5...	ZSRK 2.5...	ZRK 4...
	ZRK 2.5...	ZRK 2.5...	
	ZRKD 2.5	ZRKD 2.5	
	ZIKD 2.5	ZIKD 2.5	
	ZTRK 2.5	ZTRK 2.5	
	ZIZA 1.5	ZIZA 1.5	
	RK 2.5/35N 2Q	RK 2.5/35N 2Q	

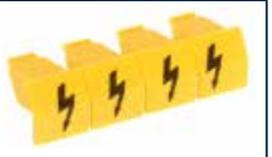
ZQI 6	ZQI 10	ZQI 16	AQI.../5/15	ZVQI 2.5
				
Cross-connection insulated Tension-spring connection ZQI 6/2 YE ● 3763.8 50	Cross-connection insulated Tension-spring connection ZQI 10/2 YE ● 3789.8 20	Cross-connection insulated Tension-spring connection ZQI 16/2 YE ● 3800.8 20	External cross-connection insulated Tension-spring connection AQI 2/5/15 YE ● 2023.0 50	Vertical connector insulated Tension-spring connection ZVQI 2.5 OG ● 3744.2 20
ZQI 6/3 YE ● 3764.8 50			AQI 2/5/15 YE ● 2024.0 50	
ZQI 6/4 YE ● 3765.8 20			AQI 4/5/15 YE ● 2028.0 10	
ZQI 6/5 YE ● 3766.8 20				
ZQI 6/6 YE ● 3767.8 20				
ZQI 6/7 YE ● 3768.8 20				
ZQI 6/8 YE ● 3769.8 10				
ZQI 6/9 YE ● 3770.8 10				
ZQI 6/10 YE ● 3771.8 10			AQI 10/15/5 YE ● 2029.0 10	
41	57	75	24	24
800	800	1000		800
800	800	1000		800
-/3	-/3	-/3	-/3	-/3
8	10	12	5	
ZRK 6...	ZRK 10...	ZRK 16...	ZSRK 2.5... ZRK 2.5... ZRKD 2.5 ZIKD 2.5 ZTRK 2.5 ZIZA 1.5	ZRKD 2.5 ZIKD 2.5

Four-way covers ZAD

Four-way covers ZAD		ZAD 2.5	ZAD 4	ZAD 6
<p>VDE regulations require that the mains terminals be covered. The yellow ZAD covers (labelled with a lightning flash) are used to cover the operational channel. Thus, they discourage operation of the terminal while live voltage is present.</p>				
				
Description		Four-way cover with lighting arrow	Four-way cover with lighting arrow	Four-way cover with lighting arrow
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Type / colour		ZAD 2.5/4/B YE ●	ZAD 4/4/B YE ●	ZAD 6/4/B YE ●
<i>Cat. no.</i>	Qty.	3706.0	3707.0	3708.0
20	20			20
Type / colour				
<i>Cat. no.</i>	Qty.			
Ratings				
Pitch, mm		5.1	6.1	8.1
Material		PA 6.6 V-0	PA 6.6 V-0	PA 6.6 V-0
For terminal		ZSRK 2.5...	ZRK 4...	ZRK 10...
		ZSLN 2.5...	ZSL 4...	ZSL 10...
		ZRK 2.5...		
		ZSL 2.5...		
		ZRKD 2.5...		
		ZSLD 2.5...		
		ZIKD 2.5...		
		ZTRK 2.5...		
		ZVMAK 2.5...		
		ZIZA 1.5...		

Labelling adapter ZBA

Labelling adapter ZBA		ZBA 1	ZBA 3	ZBA 2
<p>The ZBA labelling adapters enable additional marking to be applied to multi-level terminals or for potential distributions. They can easily be assembled together with the SB or BSTR terminal markers.</p>				
				
Description		Labelling adapter for double-level terminals	Labelling adapter for multi-level terminals	Labelling adapter for ZIZA / ZMP
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Type / colour		ZBA 1 BG ●	ZBA 3 BG ●	ZBA 2 BG ●
<i>Cat. no.</i>	Qty.	3745.2	3813.2	3786.2
20	50			50
Type / colour				
<i>Cat. no.</i>	Qty.			
Ratings				
Pitch, mm		5.1	5.1	5.1
Material		PA 6.6 V-0	PA 6.6 V-0	PA 6.6 V-0
Accessories				
Quick marking PMC SB		PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
<i>Cat. no.</i>	Qty.	4600.7	4600.7	4600.7
500	500			500
For terminal		ZRKD 2.5...	ZIKD 2.5...	ZIZA 1.5/...
				ZMP 1.5...

ZAD 10	ZAD 16
	
Four-way cover with lighting arrow Tension-spring connection ZAD 10/4/B YE ● 3709.0 20	Four-way cover with lighting arrow Tension-spring connection ZAD 16/4/B YE ● 3801.0 20
10.1 PA 6.6 V-0	12 PA 6.6 V-0
ZRK 10... ZSL 10...	ZRK 16... ZSL 16...

ZBA 2/Z	ZAD 6
	
Labelling adapter for ZIZA / ZMP Tension-spring connection ZBA 2/Z BG ● 3787.2 50	Labelling adapter for ZIZA / ZMP Tension-spring connection ZBA 2/Z/H BG ● 17036.2 50
5.1 PA 6.6 V-0	5.1 PA 6.6 V-0
PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500
ZIZA 1.5/... ZMP 1.5...	ZIZA 1.5/... ZMP 1.5...

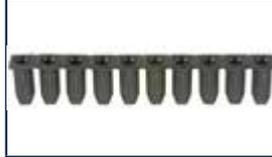
Test adapter ZTA

Test adapter ZTA		ZTA 1.5	ZTA 2.5	ZTA 4	
<p>The ZTA test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner. Wires with cross-sections from 0.5 mm² to 1.0 mm² can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.</p>					
Description		Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection	
Type / colour		ZTA 1.5 BG ●	ZTA 2.5 BG ●	ZTA 2.5 BG ●	
Cat. no.	Qty.	17034.2 10	3740.2 10	3741.2 10	
Ratings					
Pitch, mm		5.1	5.1	6.1	
Additional height for each terminal block, mm		31	31	31	
Length, mm		32.3	32.3	32.3	
Connection data					
Finely-stranded, mm ²		0.5–1	0.5–1	0.5–1	
Stripping length, mm		5	5	5	
Accessories					
Quick marking PMC SB		PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 6/50 WH	
Cat. no.	Qty.	4600.7 500	4600.7 500	4702.7 500	
For terminal		ZIZA 1.5...	ZSRK 2.5... ZSLN 2.5... ZRK 2.5... ZSL 2.5... ZRKD 2.5... ZSLD 2.5... ZIKD 2.5... ZTRK 2.5... ZVMAK 2.5...	ZRK 4... ZSL 4...	

Reducing sleeve ZRH

Reducing sleeves ZRH		ZRH 2.5	ZRH 2.5	ZRH 2.5
<p>CONTA-CLIP offers reducing sleeves for cross-sections of 2.5 mm² and 4.0 mm². This ensures that small wires are properly positioned in their terminal points without any splicing off of individual strands. A professional and proper contact is ensured when the reducing sleeves are attached prior to the connection.</p>				
Description		for 0.13 – 0.2 mm ² wires	for 0.25 – 0.5 mm ² wires	for 0.75 – 1.0 mm ² wires
Connection type		Tension-spring connection	Tension-spring connection	Tension-spring connection
Type / colour		ZRH 2.5/0.13–0.2 WH	ZRH 2.5/0.25–0.5 GR	ZRH 2.5/0.75–1.0 BK
Cat. no.	Qty.	3750.7 1000	3751.6 1000	3752.4 1000
Ratings				
Pitch, mm		5.1	5.1	5.1
Cross-section range, mm ²		0.13–0.2	0.25–0.5	0.75–1.0
For terminal		ZSRK 2.5... ZSLN 2.5... ZRK 2.5... ZSL 2.5... ZRKD 2.5... ZSLD 2.5... ZIKD 2.5... ZTRK 2.5... ZVMAK 2.5... ZIZA 1.5...	ZSRK 2.5... ZSLN 2.5... ZRK 2.5... ZSL 2.5... ZRKD 2.5... ZSLD 2.5... ZIKD 2.5... ZTRK 2.5... ZVMAK 2.5... ZIZA 1.5...	ZSRK 2.5... ZSLN 2.5... ZRK 2.5... ZSL 2.5... ZRKD 2.5... ZSLD 2.5... ZIKD 2.5... ZTRK 2.5... ZVMAK 2.5... ZIZA 1.5...

ZTA 6	ZTA 10	ZTA 16	Test plug PS	PS 2.3
			For both tension-spring terminals in the cross-section ranges 2.5 and 4.0 mm ² , the PS 2.3 test plug enables a direct measurement to be made at the test pick-off of the corresponding terminal. In contrast to the ZTA , the PS test plug does not snap in mechanically to the terminal.	
Test adapter, can be mounted side-by-side Tension-spring connection ZTA 6 BG ● 3772.2 10	Test adapter, can be mounted side-by-side Tension-spring connection ZTA 10 BG ● 3790.2 10	Test adapter, can be mounted side-by-side Tension-spring connection ZTA 16 BG ● 3810.2 10		Test plug Tension-spring connection PS 2.3 2007.0 20
8.1 31	10.1 31	12 31		5.2 22
32.3	32.3	32.3		32
0.5–1 5	0.5–1 5	0.5–1 5		0.5–1 5
PMC SB 6/50 WH 4702.7 500	PMC SB 6/50 WH 4702.7 500	PMC SB 6/50 WH 4702.7 500		PMC SB 6/50 WH 4702.7 500
ZRK 6... ZSL 6...	ZRK 10... ZSL 10...	ZRK 16... ZSL 16...		ZSRK 2.5... ZSLN 2.5... ZRK 2.5... ZSL 2.5... ZRKD 2.5... ZSLD 2.5... ZIKD 2.5... ZTRK 2.5... ZVMAK 2.5... ZIZA 1.5... ZRK 4... ZSL 4...

ZRH 4	ZRH 4	ZRH 4
		
for 0.13 – 0.2 mm ² wires Tension-spring connection ZRH 4/0.13–0.2 WH 3753.7 1000	for 0.25 – 0.5 mm ² wires Tension-spring connection ZRH 4/0.25–0.5 GR 3754.6 1000	for 0.75 – 1.0 mm ² wires Tension-spring connection ZRH 4/0.75–1.0 BK 3755.4 1000
6.1 0.13–0.2	6.1 0.25–0.5	6.1 0.75–1.0
ZRK 4... ZSL 4...	ZRK 4... ZSL 4...	ZRK 4... ZSL 4...

Fuse holder ZS

Fuse holder ZS/.../.../ZTRK		ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
<p>The ZS/.../.../ZTRK plug-in fuse holders are available as models with or without a status display. When used together with the FTRK 2.5 and ZTRK 2.5 base terminals, they provide outstanding versatility and ease of use.</p>				
Description		Fuse holder without status display	Fuse holder 10 – 36 V with status display	Fuse holder 35 – 70 V with status display
Connection type		Tension-spring connection Pressure-spring connection	Tension-spring connection Pressure-spring connection	Tension-spring connection Pressure-spring connection
Type / colour		ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
<i>Cat. no.</i>	Qty.	3635.2 20	3631.2 20	3632.2 20
Type / colour				
<i>Cat. no.</i>	Qty.			
Type / colour				
<i>Cat. no.</i>	Qty.			
Type / colour				
<i>Cat. no.</i>	Qty.			
Ratings				
Pitch, mm		5.1	5.1	5.1
Rated voltage (V)		0 – 400	10 – 36	35 – 70
Rated current (A)		6.3	6.3	6.3
Residual current via LED (mA)			< 5	< 5
Max. power loss on fuse (mA)		1.6	1.6	1.6
Connection data				
Fuse size		5 x 20	5 x 20	5 x 20
Accessories				
Quick marking PMC SB		PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
<i>Cat. no.</i>	Qty.	4600.7 500	4600.7 500	4600.7 500
For terminal		ZTRK 2.5...	ZTRK 2.5...	ZTRK 2.5...
		FTRK 2.5...	FTRK 2.5...	FTRK 2.5...

ZS/H3/ZTR/150	ZS/H4/ZTR/250	Disconnect plug	ZDS.../ZTR
		Our proven disconnect-plug system has a high-quality surface and thus minimal contact resistance. This ensures precise, unbiased measurement readings. A variety of components can easily be soldered onto an unpopulated test plug.	
Fuse holder 60 – 150 V with status display	Fuse holder 35 – 70 V with status display	Description	Disconnect plug
Tension-spring connection Pressure-spring connection	Tension-spring connection Pressure-spring connection	Connection type	Tension-spring connection Pressure-spring connection
ZS/H3/ZTR/150	ZS/H4/ZTR/250	Type / colour	ZDS 1/ZTR
3633.2	3634.2	<i>Cat. no.</i>	3612.2
20	20	<i>Qty.</i>	20
			Disconnect-plug with wire jumper 
		Type / colour	ZDS 2/ZTR
		<i>Cat. no.</i>	3613.2
		<i>Qty.</i>	20
			Disconnect plug with diode 
		Type / colour	ZDS 3/ZTR
5.1	5.1	<i>Cat. no.</i>	3614.2
60 – 150	140 – 250	<i>Qty.</i>	20
6.3	6.3		Disconnect plug with diode 
< 5	< 5	Type / colour	ZDS 4/ZTR
1.6	1.6	<i>Cat. no.</i>	3615.2
		<i>Qty.</i>	20
			Unpopulated disconnect plug 
5 x 20	5 x 20	Ratings	
PMC SB 5/50 WH	PMC SB 5/50 WH	Pitch, mm	5.1
4600.7	4600.7	Rated voltage (V)	400
500	500	Rated current (A)	15
ZTRK 2.5...	ZTRK 2.5...	Connection data	
FTRK 2.5...	FTRK 2.5...	Diode	Soldered diode 1N4007 Reverse voltage 1000 V / Current 1 A
		Accessories	
		Quick marking PMC SB	PMC SB 5/50 WH
		<i>Cat. no.</i>	4600.7
		<i>Qty.</i>	500
		For terminal	ZTRK 2.5...
			FTRK 2.5...

Actuating tools BWMA | BW

Actuating tool BWMA/BW		BWMA 1 (0.5 x 2.5)	BWMA 1 (0.5 x 3.5)	BW...(ZRK)
<p>The spring terminals with 2.5-mm² cross-section can be operated using the BW 1 to BW 10 fully insulated tools and the BWMA metallic tool. The special BW tools enable you to open multiple terminal points simultaneously. The plastic actuating tool features improved safety when working on running facility sections.</p>				
Description		Metal actuating tool	Metal actuating tool	Plastic actuating tool
Connection type		Tension-spring connection Pressure-spring connection	Tension-spring connection Pressure-spring connection	Tension-spring connection
Type / colour		BWMA 1 (0.5 x 2.5 mm)	BWMA 1 (0.5 x 3.5 mm)	BW 1 (ZRK)
<i>Cat. no.</i>	Qty.	3841.0	3808.0	1-pole 1
<i>Cat. no.</i>	Qty.			BW 2 (ZRK) 3-pole 1
<i>Cat. no.</i>	Qty.			BW 3 (ZRK) 3-pole 1
<i>Cat. no.</i>	Qty.			BW 4 (ZRK) 4-pole 1
<i>Cat. no.</i>	Qty.			BW 5 (ZRK) 5-pole 1
Ratings				
Blade size, mm		0.5	0.5	
Blade width, mm		2.5	3.5	3.0
Blade length, mm		85	85	22.5
For terminal				
		FRK 2.5...	ZSRK 2.5...	ZSRK 2.5...
		FDLIS 2.5-4	ZSLN 2.5...	ZSLN 2.5...
			ZRK 2.5...	ZRK 2.5...
			ZSL 2.5...	ZSL 2.5...
			ZRKD 2.5...	ZRKD 2.5...
			ZSLD 2.5...	ZSLD 2.5...
			ZIKD 2.5...	ZIKD 2.5...
			ZTRK 2.5...	ZTRK 2.5...
			ZVMAK 2.5...	ZVMAK 2.5...
			ZIZA 1.5...	ZIZA 1.5...
			ZRK 4...	
			ZSL 4...	

BW...(ZRK)



Plastic actuating tool

Tension-spring connection

BW 10 (ZRK)	10-pole
3806.0	1

3.0
22.5

- ZSRK 2.5...
- ZSLN 2.5...
- ZRK 2.5...
- ZSL 2.5...
- ZRKD 2.5...
- ZSLD 2.5...
- ZIKD 2.5...
- ZTRK 2.5...
- ZVMAK 2.5...
- ZIZA 1.5...

Overview

DIN rails

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



End stops | End supports

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



Group marker holders

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



Touch-safe protection TWMF | RK-Safe-Box

Several safety regulations require that the active parts of electrical equipment be protected against direct touch contact. For terminals using cross-connectors or test sockets, this protection must be provided using additional covers. Cover profiles with assigned **TWMF** support plates are used for this purpose. They can be used with the main terminal sizes. Especially when used in front of the electrical meter for power distribution applications, the **RK-Safe-Box** is very effective at preventing unauthorized re-wiring or access to converter terminals



Screwdrivers

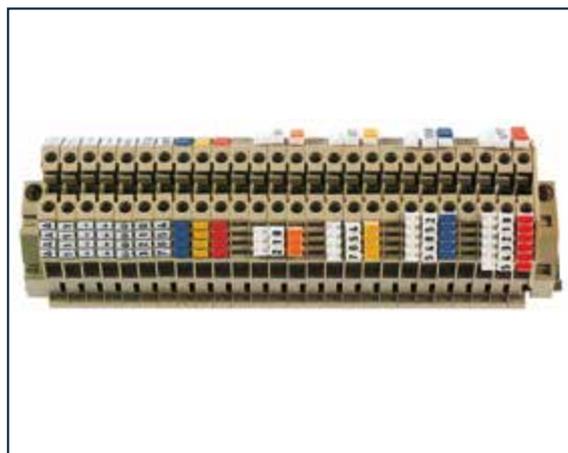
A wide variety of screwdrivers is available that has been customized to the CONTA-CONNECT range of products. They ensure that wires and cables are safely connected to CONTA-CLIP terminal blocks. These tools are available in insulated or uninsulated versions. They feature high-quality and long-lasting bits.



Terminal marker

Our extensive line of products feature ready-to-use markers with standard and customized print, unprinted markers in the classic MC Maxicard format for DIY printing with the **EMS** plotter, as well as marker holders and group label holders in a variety of designs. These tables provide an overview of which markers can be snapped onto which terminals.

The pitch dimension is decisive when making a selection. For a 5-mm wide terminal, the marker must have a width of 5 mm so that it can be applied to the terminal in strips. If the marker is to be attached to a terminal with a larger pitch, then the strips must be separated into individual markers.



List of terminal markers available for CONTA-CLIP terminal blocks, end supports and marker holders

Terminal type	Width, mm	Terminal marker										
		SB 4	SB 5	SB 6	SB 7.5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10	
BKA 2.5 ...	5	x	x									
BKA 4 ...	6	x	x	x								
BKA 10 ...	8	x	x	x		x						
DLI/DLIS...	6	x	x	x								
FF 1/15	6	x	x	x								
FF 2.5	6	x	x	x			x	x	x			
HSK...	13-50	x	x	x		x	x	x	x	x	x	
HSKG...	27-55	x	x	x		x	x	x	x	x	x	
IK ...	5	x	x									
IKD ...	5	x	x									
KBL 1.5-4	6	x	x	x								
KBL 2.5	50	x	x				x	x				
KBL 2.5-4	60	x	x	x			x	x	x			
KBL 6-10...	80	x	x	x		x	x	x	x			
KBLD 2.5	50	x	x									
KBLD 4	60	x	x	x								
MAG...	10	x	x	x		x						
NT 2.5-4 ...	6	x	x	x			x	x	x			
NT 6-10 ...	8	x	x	x		x	x	x	x			
PTK ...	8	x	x	x		x	x	x	x			
RK 1.5-4	6	x	x	x								
RK 2.5...	5	x	x				x	x				
RK 6-10..	8	x	x	x		x	x	x	x			
RK 16...	12	x	x	x		x	x	x	x	x		
RK 35...	16	x	x	x		x	x	x	x	x	x	
RK 50...	20	x	x	x		x	x	x	x	x	x	
RK 95...	25	x	x	x		x	x	x	x	x	x	
RK 150...	31	x	x	x		x	x	x	x	x	x	
RK 240...	36	x	x	x		x	x	x	x	x	x	
RK 2.5-4...	6	x	x	x			x	x	x			
RKB 4	6	x	x	x								
RKD 2.5 ...	5	x	x									
RKD 4 ...	6	x	x	x								
RKDG 4...	6	x	x	x			x	x	x			
SF 2.5-4	6	x	x	x			x	x	x			
SIK 10 ...	8	x	x	x		x	x	x	x			
SK 1	12.2	x	x	x								
SL 2.5...	6	x	x	x			x	x	x			
SL 4/15 ...	7	x	x	x								
SL 4/35 ...	8	x	x	x		x	x	x	x			
SL 10...	10	x	x	x		x	x	x	x	x		
SL 16...	12	x	x	x		x	x	x	x	x	x	
SL 35...	16	x	x	x		x	x	x	x	x	x	
SLN 2.5 ...	6	x	x	x								
SPTK 6...	8	x	x	x		x	x	x	x			
SRK 2.5	5	x	x									
SRK 2.5/15	5	x	x									
SRK 2.5/2A...	5	x	x				x	x				
SRK 4/2A...	6	x	x	x			x	x	x			
SRK 6/2A...	8	x	x	x		x	x	x	x			
SRK 10/2A...	10	x	x	x		x	x	x	x		x	
SRK 16/2A...	12.1	x	x	x		x	x	x	x		x	
SRK 35/2A...	16.1	x	x	x		x	x	x	x		x	
SRK 50/2A	18.5	x	x	x		x	x	x	x		x	
SRK 70/2A	20.5	x	x	x		x	x	x	x		x	
SRK 120/2A	27	x	x	x		x	x	x	x		x	
SRKD 2.5...	5.1	x	x				x	x				
SRKD 4...	6.1	x	x	x			x	x	x	x		
SRKD 10...	10.1	x	x	x		x	x	x	x	x		
SSIK 4/2A...	6.1	x	x	x		x	x	x	x			
SSIK 6/2A...	8.1	x	x	x		x	x	x	x			
SSL 2.5/2A	5	x	x				x	x				
SSL 4/2A	6	x	x	x			x	x	x			
SSL 6/2A	8	x	x	x		x	x	x	x			
SSL 10/2A	10	x	x	x		x	x	x	x		x	
SSL 16/2A...	12.1	x	x	x		x	x	x	x		x	
SSL 35/2A...	16.1	x	x	x		x	x	x	x		x	
SSL 50/2A	18.5	x	x	x		x	x	x	x		x	
SSL 70/2A	20.5	x	x	x		x	x	x	x		x	
SSLD 2.5	5.1	x	x				x	x				
SSLD 4	6.1	x	x	x		x	x	x	x			
SSLD 10	10.1	x	x	x		x	x	x	x		x	
STKD 1...	8	x	x	x				x				
STK 2	8	x	x	x				x				
STK 1	8	x	x	x				x				
TK 2...	8	x	x	x								
TK 4...	7.5				x							
TK 4/SL...	12.5				x							
TK 10...	9				x							
TKS 4...	7.5				x							
TKS 4/SL...	12.5				x							
TKS 10	11.25				x							
TRK 1.5 ...	6	x	x	x			x	x	x			
TSK 2.5...	10	x	x	x			x	x	x			
VMAK 2.5	6	x	x	x								

Terminal type		Terminal marker									
Tension-spring terminals	Width, mm	SB 4	SB 5	SB 6	SB 7.5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10
ZIKD 2.5...	5	x	x					x			
ZIZA	5	x	x					x			
ZMP 1.5	5	x	x					x			
ZRK 2.5...	5	x	x								
ZRK 4...	6	x	x	x				x			
ZRK 6...	8	x	x	x		x		x			
ZRK 10	10	x	x	x		x		x			
ZRK 16	12	x	x	x		x		x			
ZRKD 2.5...	5	x	x								
ZSL 2.5	5	x	x								
ZSL 4	6	x	x	x				x			
ZSL 6	8	x	x	x		x		x			
ZSL 10	10	x	x	x		x		x			
ZSL 16	12	x	x	x		x		x			
ZSLD 2.5...	5	x	x								
ZSLN 2.5...	5	x	x								
ZSRK 2.5...	5	x	x								
ZTRK 2.5...	5	x	x								
ZVMAK 2.5	5	x	x								
ZRKS 2.5...	5.1	x	x								
ZSLS 2.5...	5.1	x	x								
ZST 2.5	5.1	x	x								
ZSTK 2.5...	5.1	x	x								

List of terminal markers available for CONTA-CLIP terminal blocks, end supports and marker holders

Terminal type		Terminal marker									
Push-in terminals	Width, mm	SB 4	SB 5	SB 6	SB 7.5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10
FDLIS	5	x	x								
FDLI 2.5-4...	5.1	x	x								
FIK 2.5...	5.1	x	x								
FNT 2.5-4	5.1	x	x								
FNT 6-10	8.1	x	x	x		x					
FRK 1.5...	4	x									
FRK 2.5...	5	x	x					x	x		
FRK 4...	6	x	x	x							
FRKD 2.5...	5	x	x								
FRKI 2.5-4	5.1	x	x								
FRKI 6-10/3A	8.1	x	x	x		x					
FSL 1.5...	4	x									
FSL 2.5...	5	x	x								
FSL 4	6	x	x	x							
FSLD 2.5	5	x	x								
FSLI 2.5-4	5.1	x	x								
FSLI 6-10/3A	8.1	x	x	x		x					
FSIK 4/2A...	6.1	x	x	x							
FTRK 2.5	5	x	x								
PIKD 2.5...	5.1	x	x					x			
PRK 1.5...	3.5										
PRK 2.5...	5.1	x	x								
PRK 4...	6.1	x	x	x							
PRK 6...	8.1	x	x	x		x					
PRK 10...	10.1	x	x	x		x					
PRK 16...	12.1	x	x	x		x					
PRKD 2.5...	5.1	x	x					x			
PVMAK 2.5...	5.1	x	x					x			
End stops	Width, mm	SB 4	SB 5	SB 6	SB 7.5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10
EH 1	7	x	x	x							
EH 2-Z	5	x	x								
EH 4	8	x	x	x		x		x	x	x	
ES 15	7.5	x	x	x							
ES 32/35 Combi	9.5	x	x	x		x		x	x	x	
ES 35	7.5	x	x	x				x	x	x	
ES 35/2/K	8	x	x	x		x		x	x	x	
ES 35/K/ST	9.5	x	x	x		x		x	x	x	
ES 32	7.5	x	x	x				x			
ES 32/2/K	8	x	x	x		x		x	x	x	
ES 32/K/ST	9.5	x	x	x		x		x	x	x	
SES 35	8	x	x	x		x		x	x	x	
SHES 35	13.4	x	x	x		x		x	x	x	
SH/SAB	9.5	x	x	x		x		x	x	x	
ZEH 1	11.1	x	x					x	x		
ZES 15	5	x	x					x	x		
ZES 35	6	x	x	x							
ZES35/2	5	x	x					x	x		
Marker holder	Width, mm	SB 4	SB 5	SB 6	SB 7.5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10
SchT 4/8	5	x	x					x	x		
SchT 6/12	5	x	x					x	x		
SchT 12	6	x	x	x				x	x	x	
SchT 11	5	x	x					x	x		
ZBA 1	5	x	x					x	x		
ZBA 2	5	x	x						x		
ZBA 2/Z	5	x	x						x		
ZBA 2/Z/H	5	x	x						x		
ZBA 3	5	x	x					x	x		

Marker holders for end stops

End stop	Marker holder											
	ZSchT 1	ZSchT 2	ZSchT 2	ZSchT 4	ZSchT 5	ZSchT 6	SchT 4/8 SchT 6/12	SchT 7 long SchT 7 short	SchT 2	SchT 9	SchT 10	SchT 11
ES 15	x	x						x				
ES 32/35 Combi	x	x						x				
ES 35	x	x						x				
ES 35/2/K	x	x	x	x	x	x		x	x	x		x
ES 35/K/ST	x	x	x	x	x	x		x	x	x	x	x
ES 32	x	x						x				
ES 32/2/K	x	x	x	x	x	x		x	x	x		x
ES 32/K/ST	x	x	x	x	x	x		x	x	x	x	x
SES 35	x	x	x	x	x	x		x	x	x	x	x
ZES 15	x	x						x	x			
ZES 35	x	x	x	x	x	x		x	x			

DIN rails TS

DIN rails TS 32/TS 35

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

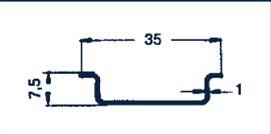
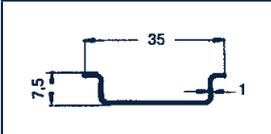
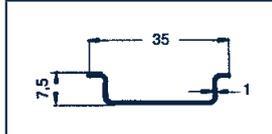
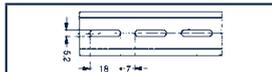
- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

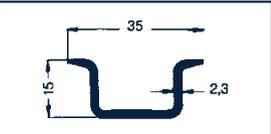
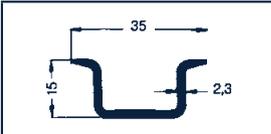
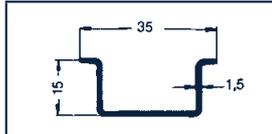
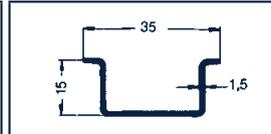
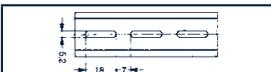
The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

Type / colour	TS 35	TS 35	TS 35
Cat. no.	2026.0	2094.0	2704.0
Qty.	2 m	2 m	2 m
Features			
Material	Steel	Steel	Steel
Processing	Solid	Slotted: 5.2 mm x 18 mm	Slotted: 6.2 mm x 18 mm
Coating	Galvanized, thick-film passivated	Galvanized, thick-film passivated	Galvanized, thick-film passivated
Accessories			
Cat. no.			
Qty.			

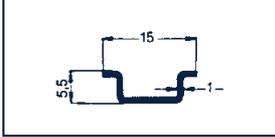
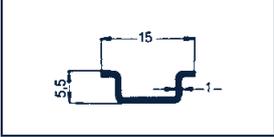
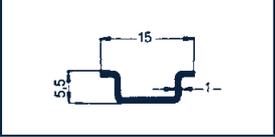
DIN rails TS 35

Type / colour	TS 35	TS 35	TS 35
Cat. no.	2027.0	2095.0	4566.0
Qty.	2 m	2 m	2 m
Features			
Material	Steel	Steel	Steel
Processing	Solid	Slotted: 5.2 mm x 18 mm	Slotted: 6.2 mm x 18 mm
Coating	Galvanized, thick-film passivated	Galvanized, thick-film passivated	Galvanized, thick-film passivated
Accessories			
Cat. no.			
Qty.			

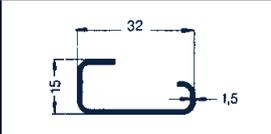
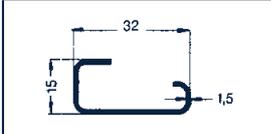
TS 35	TS 35	TS 35
		
		
		
TS 35 x 7.5 ALU 2710.0 2 m	TS 35 x 15 galvanized 4562.0 2 m	TS 35 x 1.5 galvanized 4563.0 2 m
Aluminium Solid	Steel Solid galvanized	Steel Slotted: 5.2 mm x 18 mm galvanized

TS 35	TS 35	TS 35	TS 35
			
			
			
TS 35 x 15/2.3 2038.0 2 m	TS 35 x 15/2.3 2039.0 2 m	TS 35 x 15 galvanized 4561.0 2 m	TS 35 x 15 galvanized 4564.0 2 m
Steel Solid Galvanized, thick-film passivated	Steel Slotted: 5.2 mm x 18 mm Galvanized, thick-film passivated	Galvanized steel Solid galvanized	Steel Slotted: 5.2 mm x 18 mm galvanized

DIN rails TS | DIN rail brackets TSTW/TST

DIN rails TS 15		TS 15	TS 15	TS 15
<p>The design of the TS DIN rail complies with the European norm DIN EN 60715. The steel DIN rails are galvanized and have a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:</p> <ul style="list-style-type: none"> • Only one E-Cu rail should be used. • The short-circuit currents and the rated thermal currents must be observed. <p>The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.</p>				
				
				
Type / colour		TS 15 unslotted	TS 15 slotted	TS 15 ALU unslotted
<i>Cat. no.</i>	Qty.	2091.0	2092.0	2711.0
Features				
Material		Steel	Steel	Aluminium
Processing		Solid	Slotted: 4.2 mm x 12 mm	Solid
Coating		Galvanized, thick-film passivated	Galvanized, thick-film passivated	
Accessories				
<i>Cat. no.</i>	Qty.			

DIN rail brackets TSTW/TST		TSTW/M6	TSTW/M6	TSTW/F/M6
				
		DIN rail bracket M6	DIN rail bracket M5	DIN rail bracket M6
Type / colour		TSTW/M6	TSTW/M6	TSTW/F/M6
<i>Cat. no.</i>	Qty.	2303.0	2414.0	2563.0
Features				
Material		Steel	Steel	Steel
Drill hole		M 6	M 5	M 6
Height, mm		48 mm	48 mm	32 mm
Coating		Galvanized, thick-film passivated	Galvanized, thick-film passivated	Galvanized, thick-film passivated
Accessories				
Screw		BS M 6 x 12/15	BS M 5 x 8/15	BS M 6 x 12/15
<i>Cat. no.</i>	Qty.	2304.0	2415.0	2304.0

TS 32		TS 32	
			
			
			
TS 32 2025.0	2 m	TS 32 2093.0	2 m
Steel		Steel	
Solid		Slotted: 5.2 mm x 18 mm	
Galvanized, thick-film passivated		Galvanized, thick-film passivated	

TSTW/F/M5		TST/M6		TST/M5	
					
DIN rail bracket M5		DIN rail bracket M6		DIN rail bracket M5	
TSTW/F/M5 4566.0	10	TST/M6 2737.0	10	TST/M5 2736.0	10
Steel		Steel		Steel	
M 5		M 6		M 5	
32 mm		20 mm		20 mm	
Galvanized, thick-film passivated		Galvanized, thick-film passivated		Galvanized, thick-film passivated	
BS M 5 x 8/15 2415.0	50	BS M 6 x 12/15 2304.0	50	BS M 5 x 8/15 2415.0	50

End stops | End supports

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

End stops TS 32		ES 32	ES 32/2/K	ES 32/2K/ST
				
		Screw end stop	Screw end stop	Screw end stop
Size (L x W x H), mm		27 mm x 7.5 mm x 44 mm	48 mm x 8 mm x 49 mm	50 mm x 9.5 mm x 44 mm
Type / colour		ES 32 BG	ES 32/2/K BG	ES 32/2K/ST BG
Cat. no.	Qty.	2004.2 50	2825.2 50	2827.0 50
Type / colour	Qty.			
Features				
Material		PA 6.6 V-2	PA 6.6 V-2	PA 6.6 V-2
DIN rail		TS 35	TS 35	TS 35
Terminal width, mm		7.5 mm	8 mm	9.5 mm

HES 35 ST	SHES 35	ZES 35	ZES 35/2	SES 35
				
Screw end stop	Screw end stop	No-screw end stop	No-screw end stop	No-screw end stop
49 mm x 11 mm x 69 mm HES 35/ST BG 2761.0	66 mm x 13.4 mm x 60.5 mm SHES 35 BG 17259.2	59 mm x 6 mm x 39 mm ZES 35 BG 3748.2	49 mm x 5 mm x 34 mm ZES 35/2 BG 3811.2	48 mm x 8 mm x 47.1 mm SES 35 BG ● 17250.2 SES 35 BK ● 17250.4
50	20	50	50	50
Steel	Steel PA 6.6 V-2	PA 6.6 V-2	PA 6.6 V-2	PA 6.6 V-2
TS 35	TS 35	TS 35	TS 35	TS 35
11 mm	13.4 mm	6 mm	5 mm	8 mm

ES 32/35	End stops TS 15	ES 15	ZES 15	
				
Screw end stop		Screw end stop	No-screw end stop	
52 mm x 9.5 mm x 47 mm ES 32/35 BG 1424.2	Size (L x W x H), mm Type / colour Cat. no. Qty.	26 mm x 7.5 mm x 22 mm ES 15 BG 2074.2	27 mm x 5 mm x 24 mm ZES 15 BG 3812.2	
50		50	50	
PA 6.6 V-2	Material	PA 6.6 V-2	PA 6.6 V-2	
TS 35 / TS 32	DIN rail	TS 15	TS 15	
9.5 mm	Terminal width, mm	7.5	5 mm	

Marker holders for terminal blocks and end stops

Marker holders for terminal blocks and end stops

These marker holders provide a solution for marking a group of terminals or devices on the DIN rail. The marker holders are available for attaching to terminal blocks and end stops. The **GT1 and GT2** group marker holders can be attached directly to the DIN rail. Depending on the type, they can be marked with SB and AS terminal markers. Custom marking is possible using the **BS-1 pen or EMS-2** plotter. Material: polyamide 6.6 V-2, halogen-free

	SchT 4/8 - SchT 6/12	SchT 7	ZSchT 1
			
	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop
Size (L x W x H), mm	5 mm	8.5 mm	8.5 mm
Type / colour	SchT 4/8 ^{*1} ●	SchT 7, short joint ●	ZSchT 1
<i>Cat. no.</i>	2528.0	2504.0	3773.0
Qty.	100	100	100
Type / colour	SchT 6/12 ^{*2} ●	SchT 7, long joint ●	
<i>Cat. no.</i>	2529.0	2361.0	
Qty.	100	100	
Features			
Material	PA 6.6, halogen-free	PA 6.6, halogen-free	PA 6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V-2	V-2	V-2
Application			
Terminal blocks	≥ 5 mm	≥ 5 mm	≥ 5 mm
End stop	All types	All types	All types
Accessories			
Terminal marker PMC	PMC SB 5/50 WH		
<i>Cat. no.</i>	4600.7		
Qty.	500		
Terminal marker MC	MC SB 5/200		
<i>Cat. no.</i>	3300.7		
Qty.	1000		
Terminal marker AS3	AS 3/10 WH		
<i>Cat. no.</i>	2571.0		
Qty.	500		
Insert marker		ESO	ESO
<i>Cat. no.</i>		2584.0	2584.0
Qty.		1 sheet of 120 pcs.	1 sheet of 120 pcs.
Adhesive device labels GKE		GKE 30/6 WH	GKE 30/6 WH
<i>Cat. no.</i>		3917.7	3917.7
Qty.		1 sheet of 10,000 pcs.	1 sheet of 10,000 pcs.
Protective strips		STR 1	STR 1
<i>Cat. no.</i>		2506.0	2506.0
Qty.		100	100
Shield cap SK			
<i>Cat. no.</i>			
Qty.			

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

Marker holders for terminal blocks and end stops

	SchT 9	SchT 10	ZSchT 3
			
	Marker holders for end stops	Marker holders for end stops	Hinged marker holders for end stops
Size (L x W x H), mm	8 mm	9.5 mm	8.5 mm
Type / colour	SchT 9 ●	SchT 10 ●	ZSchT 3 ●
<i>Cat. no.</i>	3749.0	3809.0	3775.0
Qty.	100	100	100
Features			
Material	PA 6.6, halogen-free	PA 6.6, halogen-free	PA 6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V-2	V-2	V-2
Application			
Terminal blocks			
End stop	ES../2/K ES../K/ST	ES../K/ST	ES/.. ZES 35
Printed			
Plotter	EMS-2	EMS-2	
Plotter inlay	CCI-11	CCI-11	
Labelling pen	BS-1	BS-1	
Accessories			
Insert marker			ESO
<i>Cat. no.</i>			2584.0
Qty.			1 sheet of 120 pcs.
Adhesive device labels GKE			GKE 30/6 WH
<i>Cat. no.</i>			3917.7
Qty.			1 sheet of 10,000 pcs.
Protective strips			STR 1
<i>Cat. no.</i>			2506.0
Qty.			100

ZSchT 2	SchT 12	SchT 2	SchT 11
			
Hinged marker holder for terminal block and end stop	Label holder for Terminal blocks	Label holder for Terminal blocks	Label holder for Terminal blocks
8.5 mm ZSchT 2 ● 3774.0 100	6 mm SchT 12 *1 ● 2531.0 100	9.5 mm SchT 2 ● 2888.0 100	5 mm SchT 11 *1 ● 2530.0 100
PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2
≥ 5 mm All types	RK2.5-4 RK6-10	ES../2/K ES../K/S	ES../2/K ES../K/ST ZES35/2
	PMC SB 5/50 WH 4600.7 500 MC SB 5/200 3300.7 1000 AS 3/10 WH 2571.0 500		PMC SB 5/50 WH 4600.7 500 MC SB 5/200 3300.7 1000 AS 3/10 WH 2571.0 500
ESO 2584.0 1 sheet of 120 pcs. GKE 30/6 WH 3917.7 1 sheet of 10,000 pcs. STR 1 2506.0 100		ESO 2 2877.0 1 sheet of 120 pcs. GKE 30/6 WH 3917.7 1 sheet of 10,000 pcs. STR 2 2878.0 100	

ZSchT 4	ZSchT 5	ZSchT 6	GT 1	GT 2
				
Hinged marker holders for end stops	Hinged marker holders for end stops	Marker holder for end stops	Group label holder for DIN rail TS 35/32	Group label holder for DIN rail TS 35/32
8.5 mm ZSchT 4 ● 3776.0 100	6 mm ZSchT 5 ● 3777.0 100	6 mm ZSchT 6 ● 3807.0 100	9.5 mm GT 1 3783.2 20	19.5 mm GT 2 ● 3784.2 20
PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2	PA 6.6, halogen-free -40°C to +105°C V-2
ES/.. ZES 35	ES../2/K ES../K/ST ZES 35	ES../2/K ES../K/ST ZES 35 EMS-2 CCI-11 BS-1		
ESO 2584.0 1 sheet of 120 pcs. GKE 30/6 WH 3917.7 1 sheet of 10,000 pcs. STR 1 2506.0 100	ESO 3 2585.0 1 sheet of 124 pcs. STR 3 2579.0 100		ESO GT 1 2580.0 1 sheet of 140 pcs. GKE 30/6 WH 3917.7 1 sheet of 10,000 pcs. STR GT 1 2582.0 20	ESO GT 2 25801.0 1 sheet of 60 pcs. GKE 30/6 WH 3917.7 1 sheet of 10,000 pcs. STR GT 2 2583.0 20

Partitions TWMF / TW | Cover profile AD

Cover profile AD combined with partition plates TWMF

Many safety requirements (for example, the "Electrical facilities and operating devices" accident prevention regulations (DGUV 3), or VDE 0106 part 100/3.83) require that the active components of equipment are protected against direct touch. For terminals using cross-connectors or test sockets, this protection must be provided using additional covers. Cover profiles with assigned support plates are used for this purpose. They can be

used with the main terminal sizes. The support plates can be positioned at the end or between groups of terminals. They can be attached to **TS 32** or **TS 35** DIN rails.

Partition with foot TWMF							
Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height, including TS 35 x 7.5 mm
2957.2	TWMF BG	Beige	20	2 mm	PA 6.6 V-2	88 mm	70 mm
2957.5	TWMF BU	Blue	20	2 mm	PA 6.6 V-2	88 mm	70 mm
2957.3	TWMF OG	Orange	20	2 mm	PA 6.6 V-2	88 mm	70 mm



AD cover profile							
Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height, including TS 35 x 7.5 mm
2958.2	AD 3/1000 mm	Transparent	1	1 m	Polycarbonate	90 mm	70 mm



Terminal block enclosure RK-Safe-Box

CONTA-CLIP's innovative **RK-Safe-Box** terminal block enclosure is a quick, simple way to protect the terminal blocks that you've installed on DIN rails (such as converter circuits) from being tampered with.



Especially when used in front of the electrical meter for power distribution applications, the **RK-Safe-Box** is very effective at preventing unauthorized re-wiring or access to converter terminals

The side walls border the mounting plate directly. They thus completely surround the protected components. Feed-through guides lead wires through the walls of the **RK-Safe-Box**. This simplifies wiring and makes it impossible to manipulate the terminals after the RK-Safe-Box is closed.

When the transparent lid is removed, the integrated slide mechanism permits you to extend the interior of the **RK-Safe-Box** by 16 mm. This makes it easy to perform maintenance and to replace terminals or components.



Features

- Easy and fast mounting to the TS 35 DIN rail
- Optimal mechanical attachment to the DIN rail
- Cannot be unlocked or snapped out of the DIN rail after it is mounted
- Triple seal option
- Transparent lid
- Tampering is immediately recognizable
- Slide mechanism on the two enclosure halves provides improved access for internal component maintenance.

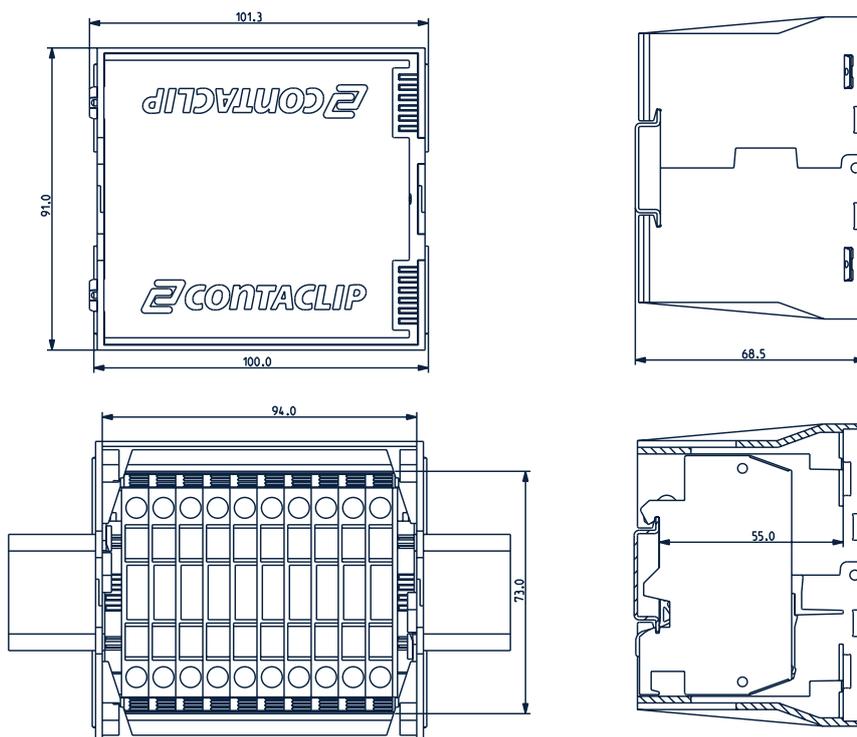
Terminal block enclosure

- Mounts on TS 35 rail
- Housing made of polyamide 6.6 UL 94 V-0
- Material lid: polycarbonate UL 94 V-2
- 3-way sealing options
- Slide mechanism for maintenance

RK-Safe-Box TS 35/100



Type / colour	RK-Safe-Box TS 35/100 BK ●	
Cat. no.	17690.4	1
Size (L x W x H), mm		
Outer size (L x W x H) with TS 35 x 7.5 mm	91 mm x 101.3 mm x 68.5 mm	
Outer size (L x W x H) with TS 35 x 15 mm	91 mm x 101.3 mm x 76 mm	
Max. installation size (L x W x H) with TS 35	73 mm x 94 mm x 55 mm	
Weight	77 g	
Features	Housing	Cover
Material	Polyamide 6.6	Polycarbonate
Temperature range	V-0	V-2
Flamm. class acc. to UL 94	-40 °C to +120 °C	-40 °C to +120 °C
Colour	Black	Transparent
General		
Protection	IP 20	
Rail assembly	TS 35	
Sealing options	3	
Accessories		
End stop ES	ES 35/K/ST BG	
Cat. no.	2828.0	50
ZES end support for Box, interior mount	ZES 35/2 BG	
Cat. no.	3811.2	50
Quick marking PMC BSTR	PMC BSTR 6/30 WH	
Cat. no.	9106.7	300
Dimensional drawings		

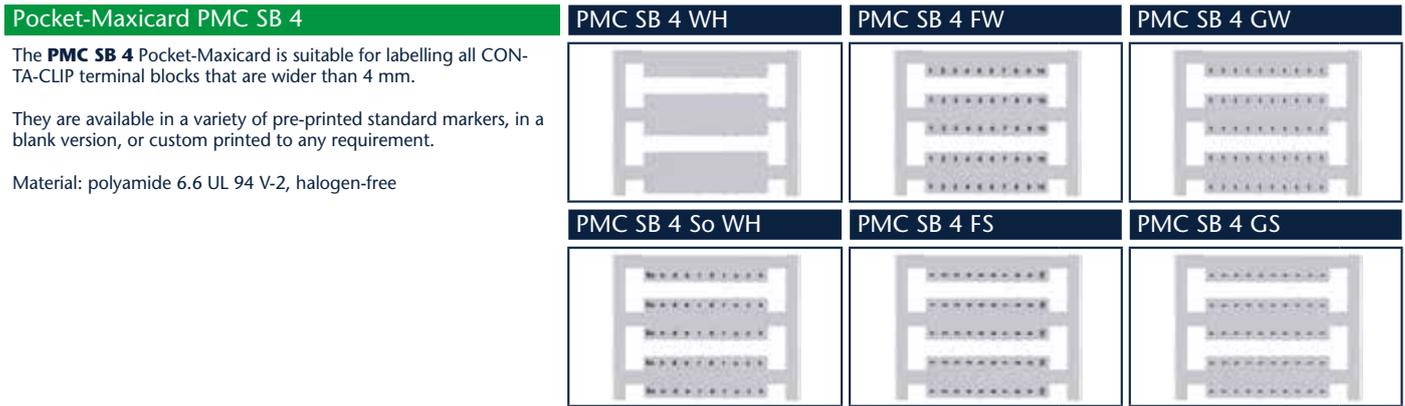


Screwdrivers

Screwdrivers		SDI	SDB	SDIK	SDK
					
		Screwdriver with insulated bit	Screwdriver	Screwdriver with insulated bit	Screwdriver
Type / colour		SDI 0.4 x 2.5	SDB 0.4 x 2.0	SDIK 1.0 x80	SDK 1.0 x 80
<i>Cat. no.</i>	<i>Qty.</i>	1081.0	3164.0	2278.0	2289.0
		1	1	1	1
Features					
Total length / Blade length, mm		160/75	150/75	165/80	170/80
Weight, g		29	26	58	58
Type / colour		SDI 0.6 x 3.5	SDB 0.4 x 2.5	SDIK 2.0 x 100	SDK 2.0 x 100
<i>Cat. no.</i>	<i>Qty.</i>	1082.0	3169.0	2279.0	2290.0
		1	1	1	1
Features					
Total length / Blade length, mm		185/100	150/75	205/100	205/100
Weight, g		42	26	79	93
Type / colour		SDI 1.0 x 5.5	SDB 0.5x3.0		
<i>Cat. no.</i>	<i>Qty.</i>	1083.0	1085.0		
		1	1		
Features					
Total length / Blade length, mm		230/125	160/75		
Weight, g		79	30		
Type / colour		SDI 1.2 x 6,5	SDB 0.6x3.5		
<i>Cat. no.</i>	<i>Qty.</i>	1084.0	1086.0		
		1	1		
Features					
Total length / Blade length, mm		250/150	185/100		
Weight, g		100	34		
Type / colour			SDB 0.8x4.0		
<i>Cat. no.</i>	<i>Qty.</i>		1087.0		
			1		
Features					
Total length / Blade length, mm			220/125		
Weight, g			52		
Type / colour			SDB 1.2x6.5		
<i>Cat. no.</i>	<i>Qty.</i>		1088.0		
			1		
Features					
Total length / Blade length, mm			250/150		
Weight, g			104		
Description					
		Screwdriver with insulated bit shaft (according to VDE 0680 part 2)	With bare bit	Screwdriver with insulated bit shaft (according to DIN 7438/VDE 0680/2)	With bare bit

Screwdrivers		ISKS	
			
Allen key socket wrench			
Type / colour		ISKS 5	
<i>Cat. no.</i>	Qty.	2818.0	1
Features			
Total length / Blade length, mm		130/100	
Weight, g		57	
Type / colour		ISKS 6	
<i>Cat. no.</i>	Qty.	2772.0	1
Features			
Total length / Blade length, mm		130/100	
Weight, g		66	
Type / colour		ISKS 8	
<i>Cat. no.</i>	Qty.	2773.0	1
Features			
Total length / Blade length, mm		130/100	
Weight, g		90	
Description			
		With bare bit	

Terminal markers | Pocket-Maxicard PMC SB



Pocket-Maxicard PMC SB 4

The **PMC SB 4** Pocket-Maxicard is suitable for labelling all CON-TA-CLIP terminal blocks that are wider than 4 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free

		PMC SB 4 WH	PMC SB 4 FW	PMC SB 4 GW
		PMC SB 4 So WH	PMC SB 4 FS	PMC SB 4 GS
		PMC SB 4/50 WH	PMC SB 4/...WH	PMC SB 4/...WH
		Pre-printed as shown	Pre-printed as shown	Pre-printed as shown
Type / colour		PMC SB 4/50 WH	PMC SB 4/50 FW 1-10	PMC SB 4/50 FS 401-450
<i>Cat. no.</i>	Qty.	4820.7	4822.7	4877.7
Type / Colour	Custom print	500	PMC SB 4/50 FW 11-20	4878.7
<i>Cat. no.</i>	Qty.	4821.7	4823.7	4879.7
Dimensions		PMC SB 4/50 So WH	500	PMC SB 4/50 FS 501-550
Length x width (mm)		5 x 4	PMC SB 4/50 FW 21-30	4880.7
Number of markers per row		10	4824.7	PMC SB 4/50 FS 551-600
Number of markers per card		50	PMC SB 4/50 FW 31-40	4881.7
Material			4825.7	PMC SB 4/50 FS 601-650
Material		PA 6.6, halogen-free	PMC SB 4/50 FW 41-50	4882.7
Temperature range		-40°C to +105°C	4826.7	PMC SB 4/50 FS 651-700
Flamm. class acc. to UL 94		V-2	PMC SB 4/50 FW 51-60	4883.7
Printed			4827.7	PMC SB 4/50 FS 701-750
Printing process		Thermal transfer	PMC SB 4/50 FW 61-70	4884.7
Labelling pen		BS-1	4828.7	PMC SB 4/50 FS 751-800
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal		2 / 2	PMC SB 4/50 FW 71-80	4885.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical		3 / 1	4829.7	PMC SB 4/50 FS 801-850
Application			PMC SB 4/50 FW 81-90	4886.7
Terminal width, mm		≥ 4.1	4830.7	PMC SB 4/50 FS 851-900
			PMC SB 4/50 FW 91-100	4887.7
			4831.7	PMC SB 4/50 FS 901-950
			PMC SB 4/50 FW 1-50	4888.7
			4832.7	PMC SB 4/50 FS L1 L2,L3,N,PE
			PMC SB 4/50 FW 51-100	4889.7
			4833.7	PMC SB 4/50 FS U1,V1,W1,N,PE
			PMC SB 4/50 FW 101-150	4890.7
			4834.7	PMC SB 4/50 FS U2,V-2,W2,N,PE
			PMC SB 4/50 FW 151-200	4891.7
			4835.7	PMC SB 4/50 FS X1-X10
			PMC SB 4/50 FW 201-250	4892.7
			4836.7	PMC SB 4/50 FS 1,3, 5-19
			PMC SB 4/50 FW 251-300	4893.7
			4837.7	PMC SB 4/50 FS 2,4,6-20
			PMC SB 4/50 FW 301-350	4894.7
			4838.7	
			PMC SB 4/50 FW 351-400	4895.7
			4839.7	PMC SB 4/50 GW 1
			PMC SB 4/50 FW 401-450	4896.7
			4840.7	PMC SB 4/50 GW 2
			PMC SB 4/50 FW 451-500	4897.7
			4841.7	PMC SB 4/50 GW 3
			PMC SB 4/50 FW 501-550	4898.7
			4842.7	PMC SB 4/50 GW 4
			PMC SB 4/50 FW 551-600	4899.7
			4843.7	PMC SB 4/50 GW 5
			PMC SB 4/50 FW 601-650	4916.7
			4844.7	PMC SB 4/50 GW 6
			PMC SB 4/50 FW 651-700	4917.7
			4845.7	PMC SB 4/50 GW 7
			PMC SB 4/50 FW 701-750	4918.7
			4846.7	PMC SB 4/50 GW 8
			PMC SB 4/50 FW 751-800	4919.7
			4847.7	PMC SB 4/50 GW 9
			PMC SB 4/50 FW 801-850	4920.7
			4848.7	PMC SB 4/50 GW X
			PMC SB 4/50 FW 851-900	4921.7
			4849.7	PMC SB 4/50 GW PE
			PMC SB 4/50 FW 901-950	4922.7
			4850.7	PMC SB 4/50 GW L1
			PMC SB 4/50 FW L1,L2,L3,N,PE	4923.7
			4851.7	PMC SB 4/50 GW L2
			PMC SB 4/50 FW U1,V1,W1,N,PE	4924.7
			4852.7	PMC SB 4/50 GW L3
			PMC SB 4/50 FW U1,V1,W1,N,PE	4925.7
			4853.7	PMC SB 4/50 GW N
			PMC SB 4/50 FW U2,V-2,W2,N,PE	4926.7
			4854.7	PMC SB 4/50 GW +
			PMC SB 4/50 FW U2,V-2,W2,N,PE	4927.7
			4855.7	PMC SB 4/50 GW -
			PMC SB 4/50 FW U2,V-2,W2,N,PE	
			4856.7	PMC SB 4/50 GS 1
			PMC SB 4/50 FW X1-X10	4929.7
			4857.7	PMC SB 4/50 GS 2
			PMC SB 4/50 FW 1,3, 5-19	4930.7
			4858.7	PMC SB 4/50 GS 3
			PMC SB 4/50 FW 2,4,6-20	4931.7
				PMC SB 4/50 GS 4
			PMC SB 4/50 FS 1-10	4932.7
			4859.7	PMC SB 4/50 GS 5
			PMC SB 4/50 FS 11-20	4933.7
			4860.7	PMC SB 4/50 GS 6
			PMC SB 4/50 FS 21-30	4934.7
			4861.7	PMC SB 4/50 GS 7
			PMC SB 4/50 FS 31-40	4935.7
			4862.7	PMC SB 4/50 GS 8
			PMC SB 4/50 FS 41-50	4936.7
			4863.7	PMC SB 4/50 GS 9
			PMC SB 4/50 FS 51-60	4937.7
			4864.7	PMC SB 4/50 GS 0
			PMC SB 4/50 FS 61-70	4938.7
			4865.7	PMC SB 4/50 GS X
			PMC SB 4/50 FS 71-80	4939.7
			4866.7	PMC SB 4/50 GS PE
			PMC SB 4/50 FS 81-90	4940.7
			4867.7	PMC SB 4/50 GS L1
			PMC SB 4/50 FS 91-100	4941.7
			4868.7	PMC SB 4/50 GS L2
			PMC SB 4/50 FS 1-50	4942.7
			4869.7	PMC SB 4/50 GS L3
			PMC SB 4/50 FS 51-100	4943.7
			4870.7	PMC SB 4/50 GS N
			PMC SB 4/50 FS 101-150	4944.7
			4871.7	PMC SB 4/50 GS -
			PMC SB 4/50 FS 151-200	
			4872.7	
			PMC SB 4/50 FS 201-250	
			4873.7	
			PMC SB 4/50 FS 251-300	
			4874.7	
			PMC SB 4/50 FS 301-350	
			4875.7	
			PMC SB 4/50 FS 351-400	
			4876.7	

Pocket-Maxicard PMC SB 5

The **PMC SB 5** Pocket-Maxicard is suitable for labelling all CONTA-CLIP terminal blocks that are wider than 5 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free

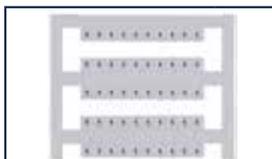
PMC SB 5 WH



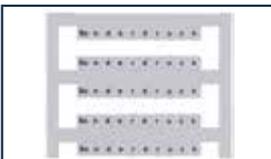
PMC SB 5 FW



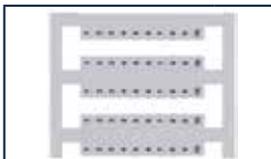
PMC SB 5 GW



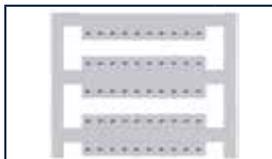
PMC SB 5 So WH



PMC SB 5 FS

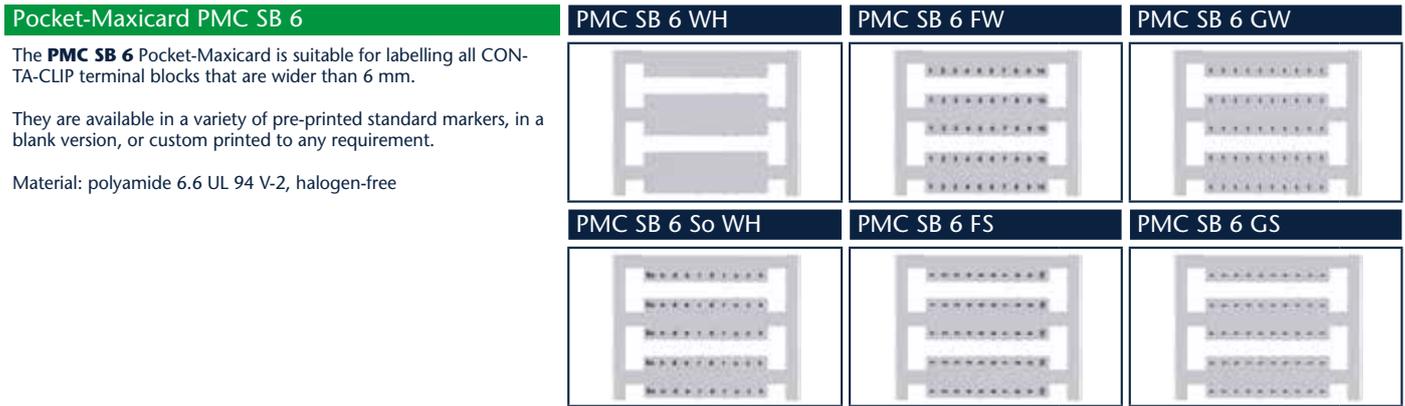


PMC SB 5 GS



	PMC SB 5/50 WH	PMC SB 5/...WH Pre-printed as shown	<i>Cat. no.</i>	PMC SB 5/50 FS	PMC SB 5/...WH Pre-printed as shown	<i>Cat. no.</i>
Type / colour	PMC SB 5/50 WH	PMC SB 5/50 FW 1-10	4601.7	PMC SB 5/50 FS 401-450	4654.7	
<i>Cat. no.</i>	4600.7	PMC SB 5/50 FW 11-20	4602.7	PMC SB 5/50 FS 451-500	4655.7	
Type / Colour	PMC SB 5/50 So WH	PMC SB 5/50 FW 21-30	4603.7	PMC SB 5/50 FS 501-550	4656.7	
Qty.	500	PMC SB 5/50 FW 31-40	4604.7	PMC SB 5/50 FS 551-600	4657.7	
Custom print		PMC SB 5/50 FW 41-50	4605.7	PMC SB 5/50 FS 601-650	4658.7	
<i>Cat. no.</i>	4819.7	PMC SB 5/50 FW 51-60	4606.7	PMC SB 5/50 FS 651-700	4659.7	
Dimensions		PMC SB 5/50 FW 61-70	4607.7	PMC SB 5/50 FS 701-750	4660.7	
Length x width (mm)	5 x 5	PMC SB 5/50 FW 71-80	4608.7	PMC SB 5/50 FS 751-800	4661.7	
Number of markers per row	10	PMC SB 5/50 FW 81-90	4609.7	PMC SB 5/50 FS 801-850	4662.7	
Number of markers per card	50	PMC SB 5/50 FW 91-100	4610.7	PMC SB 5/50 FS 851-900	4663.7	
Material		PMC SB 5/50 FW 1-50	4611.7	PMC SB 5/50 FS 2,4,6-20	4815.7	
Material	PA 6.6, halogen-free	PMC SB 5/50 FW 51-100	4612.7	PMC SB 5/50 FS 1,3,5-19	4816.7	
Temperature range	-40 °C to +105 °C	PMC SB 5/50 FW 101-150	4613.7	PMC SB 5/50 FS	4664.7	L1,L2,L3,N,PE
Flamm. class acc. to UL 94	V-2	PMC SB 5/50 FW 151-200	4614.7	PMC SB 5/50 FS	4665.7	U1,V1,W1,N,PE
Printed		PMC SB 5/50 FW 201-250	4615.7	PMC SB 5/50 FS U1,V1,W1	4666.7	
Printing process	Thermal transfer	PMC SB 5/50 FW 251-300	4616.7	PMC SB 5/50 FS U2,V-	4667.7	2,W2,N,PE
Labelling pen	BS-1	PMC SB 5/50 FW 301-350	4617.7	PMC SB 5/50 FS U2,V-2,W2	4668.7	
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal	3 / 2	PMC SB 5/50 FW 351-400	4618.7	PMC SB 5/50 FS X1-X10	4669.7	
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical	3 / 2	PMC SB 5/50 FW 401-450	4619.7			
Application		PMC SB 5/50 FW 451-500	4620.7			
Terminal width, mm	≥ 5.1	PMC SB 5/50 FW 501-550	4621.7			
		PMC SB 5/50 FW 551-600	4622.7			
		PMC SB 5/50 FW 601-650	4623.7	PMC SB 5/50 GW 1	4670.7	
		PMC SB 5/50 FW 651-700	4624.7	PMC SB 5/50 GW 2	4671.7	
		PMC SB 5/50 FW 701-750	4625.7	PMC SB 5/50 GW 3	4672.7	
		PMC SB 5/50 FW 751-800	4626.7	PMC SB 5/50 GW 4	4673.7	
		PMC SB 5/50 FW 801-850	4627.7	PMC SB 5/50 GW 5	4674.7	
		PMC SB 5/50 FW 851-900	4628.7	PMC SB 5/50 GW 6	4675.7	
		PMC SB 5/50 FW 901-950	4629.7	PMC SB 5/50 GW 7	4676.7	
		PMC SB 5/50 FW 2,4,6-20	4817.7	PMC SB 5/50 GW 8	4677.7	
		PMC SB 5/50 FW 1,3,5-19	4818.7	PMC SB 5/50 GW 9	4678.7	
		PMC SB 5/50 FW U1,V1,W1,N,PE	4631.7	PMC SB 5/50 GW 0	4679.7	
		PMC SB 5/50 FW U1,V1,W1	4632.7	PMC SB 5/50 GW X	4680.7	
		PMC SB 5/50 FW U2,V-2,W2	4634.7	PMC SB 5/50 GW PE	4681.7	
		PMC SB 5/50 FW X1-X10	4635.7	PMC SB 5/50 GW L1	4682.7	
				PMC SB 5/50 GW L2	4683.7	
				PMC SB 5/50 GW L3	4684.7	
		PMC SB 5/50 FS 1-10	4636.7	PMC SB 5/50 GW N	4685.7	
		PMC SB 5/50 FS 11-20	4637.7	PMC SB 5/50 GW -	4813.7	
		PMC SB 5/50 FS 21-30	4638.7	PMC SB 5/50 GW +	4814.7	
		PMC SB 5/50 FS 31-40	4639.7			
		PMC SB 5/50 FS 41-50	4640.7	PMC SB 5/50 GS 1	4686.7	
		PMC SB 5/50 FS 51-60	4641.7	PMC SB 5/50 GS 2	4687.7	
		PMC SB 5/50 FS 61-70	4642.7	PMC SB 5/50 GS 3	4688.7	
		PMC SB 5/50 FS 71-80	4643.7	PMC SB 5/50 GS 4	4689.7	
		PMC SB 5/50 FS 81-90	4644.7	PMC SB 5/50 GS 5	4690.7	
		PMC SB 5/50 FS 91-100	4645.7	PMC SB 5/50 GS 6	4691.7	
		PMC SB 5/50 FS 1-50	4646.7	PMC SB 5/50 GS 7	4692.7	
		PMC SB 5/50 FS 51-100	4647.7	PMC SB 5/50 GS 8	4693.7	
		PMC SB 5/50 FS 101-150	4648.7	PMC SB 5/50 GS 9	4694.7	
		PMC SB 5/50 FS 151-200	4649.7	PMC SB 5/50 GS 0	4695.7	
		PMC SB 5/50 FS 201-250	4650.7	PMC SB 5/50 GS X	4696.7	
		PMC SB 5/50 FS 251-300	4651.7	PMC SB 5/50 GS PE	4697.7	
		PMC SB 5/50 FS 301-350	4652.7	PMC SB 5/50 GS L1	4698.7	
		PMC SB 5/50 FS 351-400	4653.7	PMC SB 5/50 GS L2	4699.7	
				PMC SB 5/50 GS L3	4700.7	
				PMC SB 5/50 GS N	4701.7	
				PMC SB 5/50 GS -	4712.7	

Terminal markers | Pocket-Maxicard PMC SB



Pocket-Maxicard PMC SB 6

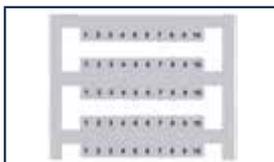
The **PMC SB 6** Pocket-Maxicard is suitable for labelling all CON-TA-CLIP terminal blocks that are wider than 6 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

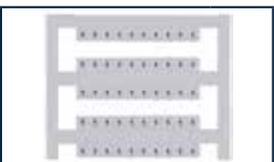
Material: polyamide 6.6 UL 94 V-2, halogen-free

		PMC SB 6 WH	PMC SB 6 FW	PMC SB 6 GW
		PMC SB 6 So WH	PMC SB 6 FS	PMC SB 6 GS
		PMC SB 6/50 WH	PMC SB 6/...WH Pre-printed as shown	PMC SB 6/...WH Pre-printed as shown
Type / colour		PMC SB 6/50 WH	Cat. no.	Cat. no.
Cat. no.	Qty.	4702.7	500	500
Type / Colour	Custom print	PMC SB 4/50 So WH		
Cat. no.	Qty.	4811.7		
Dimensions				
Length x width (mm)		5 x 6	PMC SB 6/50 FW 1-10	4703.7
Number of markers per row		10	PMC SB 6/50 FW 11-20	4704.7
Number of markers per card		50	PMC SB 6/50 FW 21-30	4705.7
Material				
Material		PA 6.6, halogen-free	PMC SB 6/50 FW 31-40	4706.7
Temperature range		-40°C to +105°C	PMC SB 6/50 FW 41-50	4707.7
Flamm. class acc. to UL 94		V-2	PMC SB 6/50 FW 51-60	4708.7
Printed				
Printing process		Thermal transfer	PMC SB 6/50 FW 61-70	4709.7
Labelling pen		BS-1	PMC SB 6/50 FW 71-80	4710.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal		3 / 2	PMC SB 6/50 FW 81-90	4711.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical		3 / 2	PMC SB 6/50 FW 91-100	4712.7
Application				
Terminal width, mm		≥ 6	PMC SB 6/50 FW 101-110	4712.7
			PMC SB 6/50 FW 111-120	9213.7
			PMC SB 6/50 FW 121-130	9214.7
			PMC SB 6/50 FW 131-140	9215.7
			PMC SB 6/50 FW 141-150	9216.7
			PMC SB 6/50 FW 151-160	9217.7
			PMC SB 6/50 FW 161-170	9218.7
			PMC SB 6/50 FW 171-180	9219.7
			PMC SB 6/50 FW 181-190	9220.7
			PMC SB 6/50 FW 191-200	9221.7
			PMC SB 6/50 FW 201-210	9222.7
			PMC SB 6/50 FW 211-220	9223.7
			PMC SB 6/50 FW 221-230	9224.7
			PMC SB 6/50 FW 231-240	9225.7
			PMC SB 6/50 FW 241-250	9226.7
			PMC SB 6/50 FW 251-260	9227.7
			PMC SB 6/50 FW 261-270	9228.7
			PMC SB 6/50 FW 271-280	9229.7
			PMC SB 6/50 FW 281-290	9230.7
			PMC SB 6/50 FW 291-300	9231.7
			PMC SB 6/50 FW 311-320	9233.7
			PMC SB 6/50 FW 331-340	9235.7
			PMC SB 6/50 FW 341-350	9236.7
			PMC SB 6/50 FW 361-370	9238.7
			PMC SB 6/50 FW 371-380	9239.7
			PMC SB 6/50 FW 381-390	9240.7
			PMC SB 6/50 FW 391-400	9241.7
			PMC SB 6/50 FW 401-410	9242.7
			PMC SB 6/50 FW 411-420	9243.7
			PMC SB 6/50 FW 421-430	9244.7
			PMC SB 6/50 FW 431-440	9245.7
			PMC SB 6/50 FW 441-450	9246.7
			PMC SB 6/50 FW 451-460	9247.7
			PMC SB 6/50 FW 461-470	9248.7
			PMC SB 6/50 FW 471-480	9249.7
			PMC SB 6/50 FW 481-490	9250.7
			PMC SB 6/50 FW 491-500	9251.7
			PMC SB 6/50 FW 501-510	9252.7
			PMC SB 6/50 FW 511-520	9253.7
			PMC SB 6/50 FW 521-530	9254.7
			PMC SB 6/50 FW 531-540	9255.7
			PMC SB 6/50 FW 541-550	9256.7
			PMC SB 6/50 FW 551-560	9257.7
			PMC SB 6/50 FW 561-570	9258.7
			PMC SB 6/50 FW 571-580	9259.7
			PMC SB 6/50 FW 581-590	9260.7
			PMC SB 6/50 FW 591-600	9261.7
			PMC SB 6/50 FW 1-50	4713.7
			PMC SB 6/50 FW 51-100	4714.7
			PMC SB 6/50 FW 101-150	4715.7
			PMC SB 6/50 FW 151-200	4716.7
			PMC SB 6/50 FW 201-250	4717.7
			PMC SB 6/50 FW 251-300	4718.7
			PMC SB 6/50 FW 301-350	4719.7
			PMC SB 6/50 FW 351-400	4720.7
			PMC SB 6/50 FW 401-450	4721.7
			PMC SB 6/50 FW 451-500	4722.7
			PMC SB 6/50 FW 501-550	4723.7
			PMC SB 6/50 FW 551-600	4724.7
			PMC SB 6/50 FW 601-650	4725.7
			PMC SB 6/50 FW 651-700	4726.7
			PMC SB 6/50 FW 701-750	4727.7
			PMC SB 6/50 FW 751-800	4728.7
			PMC SB 6/50 FW 801-850	4729.7
			PMC SB 6/50 FW 851-900	4730.7
			PMC SB 6/50 FW 901-950	4731.7
			PMC SB 6/50 FW 2,4,6-20	4809.7
			PMC SB 6/50 FW 1,3,5-19	4810.7
			PMC SB 6/50 FW L1,L2,L3,N,PE	4732.7
			PMC SB 6/50 FW U1,V1,W1,N,PE	4733.7
			PMC SB 6/50 FW U1,V1,W1	4734.7
			PMC SB 6/50 FW U2,V-2,W2,N,PE	4735.7
			PMC SB 6/50 FW U2,V-2,W2	4736.7
			PMC SB 6/50 FW X1-X10	4737.7
			PMC SB 6/50 FS 1-10	4738.7
			PMC SB 6/50 FS 11-20	4739.7
			PMC SB 6/50 FS 21-30	4740.7
			PMC SB 6/50 FS 31-40	4741.7
			PMC SB 6/50 FS 41-50	4742.7
			PMC SB 6/50 FS 51-60	4743.7
			PMC SB 6/50 FS 61-70	4744.7
			PMC SB 6/50 FS 71-80	4745.7
			PMC SB 6/50 FS 81-90	4746.7
			PMC SB 6/50 FS 91-100	4747.7
			PMC SB 6/50 FS 101-110	9262.7
			PMC SB 6/50 FS 111-120	9263.7
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			PMC SB 6/50 FS 151-160	9267.7
			PMC SB 6/50 FS 161-170	9268.7
			PMC SB 6/50 FS 171-180	9269.7
			PMC SB 6/50 FS 181-190	9270.7
			PMC SB 6/50 FS 191-200	9271.7
			PMC SB 6/50 FS 201-210	9272.7
			PMC SB 6/50 FS 211-220	9273.7

PMC SB 6 FW



PMC SB 6 GW

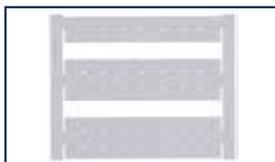


Pocket-Maxicard PMC SB 7.5

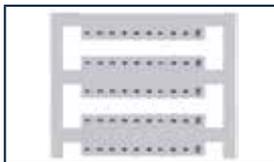
The **PMC SB 7.5** Pocket-Maxicard is suitable for labelling all transformer terminals from the **TK** and **TKS** series. They can also be used with transformer terminals from other manufacturers (such as PHOENIX CONTACT, Wago or Adels). They are available blank or with custom printing.

Material: polyamide 6.6 UL 94 V-2, halogen-free

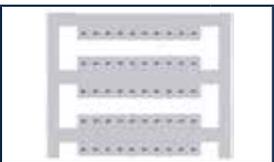
PMC SB 7.5 WH



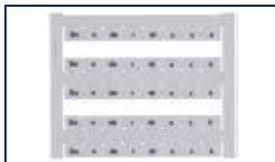
PMC SB 6 FS



PMC SB 6 GS



PMC SB 7.5 So WH



PMC SB 6/...WH Pre-printed as shown	Cat. no.
PMC SB 6/50 FS 221-230	9274.7
PMC SB 6/50 FS 231-240	9275.7
PMC SB 6/50 FS 241-250	9276.7
PMC SB 6/50 FS 251-260	9277.7
PMC SB 6/50 FS 261-270	9278.7
PMC SB 6/50 FS 271-280	9279.7
PMC SB 6/50 FS 281-290	9280.7
PMC SB 6/50 FS 291-300	9281.7
PMC SB 6/50 FS 1-50	4748.7
PMC SB 6/50 FS 51-100	4749.7
PMC SB 6/50 FS 101-150	4750.7
PMC SB 6/50 FS 151-200	4751.7
PMC SB 6/50 FS 201-250	4752.7
PMC SB 6/50 FS 251-300	4753.7
PMC SB 6/50 FS 301-350	4754.7
PMC SB 6/50 FS 351-400	4755.7
PMC SB 6/50 FS 401-450	4756.7
PMC SB 6/50 FS 451-500	4757.7
PMC SB 6/50 FS 501-550	4758.7
PMC SB 6/50 FS 551-600	4759.7
PMC SB 6/50 FS 601-650	4760.7
PMC SB 6/50 FS 651-700	4761.7
PMC SB 6/50 FS 701-750	4762.7
PMC SB 6/50 FS 751-800	4763.7
PMC SB 6/50 FS 801-850	4764.7
PMC SB 6/50 FS 851-900	4765.7
PMC SB 6/50 FS 2,4,6-20	4807.7
PMC SB 6/50 FS 1,3,5-19	4808.7
PMC SB 6/50 FS L1,L2,L3,N,PE	4766.7
PMC SB 6/50 FS U1,V1,W1,N,PE	4767.7
PMC SB 6/50 FS U1,V1,W1	4768.7
PMC SB 6/50 FS U2,V-2,W2,N,PE	4769.7
PMC SB 6/50 FS X1-X10	4771.7
PMC SB 6/50 GW 1	4772.7
PMC SB 6/50 GW 2	4773.7
PMC SB 6/50 GW 3	4774.7
PMC SB 6/50 GW 4	4775.7
PMC SB 6/50 GW 5	4776.7
PMC SB 6/50 GW 6	4777.7
PMC SB 6/50 GW 7	4778.7
PMC SB 6/50 GW 8	4779.7
PMC SB 6/50 GW 9	4780.7
PMC SB 6/50 GW 0	4781.7
PMC SB 6/50 GW X	4782.7
PMC SB 6/50 GW PE	4783.7
PMC SB 6/50 GW L1	4784.7
PMC SB 6/50 GW L2	4785.7
PMC SB 6/50 GW L3	4786.7
PMC SB 6/50 GW N	4787.7
PMC SB 6/50 GW -	4805.7
PMC SB 6/50 GW +	4806.7

PMC SB 6/...WH Pre-printed as shown	Cat. no.
PMC SB 6/50 GS 1	4788.7
PMC SB 6/50 GS 2	4789.7
PMC SB 6/50 GS 3	4790.7
PMC SB 6/50 GS 4	4791.7
PMC SB 6/50 GS 5	4792.7
PMC SB 6/50 GS 6	4793.7
PMC SB 6/50 GS 7	4794.7
PMC SB 6/50 GS 8	4795.7
PMC SB 6/50 GS 9	4796.7
PMC SB 6/50 GS 0	4797.7
PMC SB 6/50 GS X	4798.7
PMC SB 6/50 GS PE	4799.7
PMC SB 6/50 GS L1	4800.7
PMC SB 6/50 GS L2	4801.7
PMC SB 6/50 GS L3	4802.7
PMC SB 6/50 GS N	4803.7
PMC SB 6/50 GS -	4804.7

Type / colour	Cat. no.	Qty.
Type / Colour	Custom print	Qty.
Dimensions		
Length x width (mm)		
Number of markers per row		
Number of markers per card		
Material		
Material		
Temperature range		
Flamm. class acc. to UL 94		
Printed		
Printing process		
Labelling pen		
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal		
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical		
Application		
Terminal width, mm		

PMC SB 7.5/40 WH	9326.7	400
PMC SB 7.5/40 So WH	3327.7	400
5 x 7.5		
8		
40		
PA 6.6, halogen-free		
-40°C to +105°C		
V-2		
Thermal transfer		
BS-1		
4 / 1		
2 / 3		
≥ 7.5		

Terminal markers | Pocket-Maxicard PMC SB

Pocket-Maxicard PMC SB 8

The **PMC SB 8** Pocket-Maxicard is suitable for labelling all CONTA-CLIP terminal blocks that are wider than 8 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free



		PMC SB 8/50 WH	PMC SB 8/50 So WH	PMC SB 6/...WH Pre-printed as shown	Cat. no.
Type / colour		PMC SB 8/50 WH	PMC SB 8/50 So WH	PMC SB 8/40 FW 1-8	9292.7
Cat. no.	Qty.	9323.7	400	PMC SB 8/40 FW 9-16	9293.7
Type / Colour	Custom print	PMC SB 8/50 So WH		PMC SB 8/40 FW 17-24	9294.7
Cat. no.	Qty.	9322.7	400	PMC SB 8/40 FW 25-32	9295.7
Dimensions				PMC SB 8/40 FW 33-40	9296.7
Length x width (mm)		5 x 8		PMC SB 8/40 FW 41-48	9297.7
Number of markers per row		8		PMC SB 8/40 FW 57-64	9298.7
Number of markers per card		40		PMC SB 8/40 FW 65-72	9299.7
Material				PMC SB 8/40 FW 73-80	9300.7
Material		PA 6.6, halogen-free		PMC SB 8/40 FW 81-88	9301.7
Temperature range		-40°C to +105°C		PMC SB 8/40 FW 89-96	9302.7
Flamm. class acc. to UL 94		V-2		PMC SB 8/40 FW 97-104	9303.7
Printed				PMC SB 8/40 FW 105-112	9304.7
Printing process		Thermal transfer		PMC SB 8/40 FW 49-56	9305.7
Labelling pen		BS-1		PMC SB 8/40 FW 113-120	9306.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal		5 / 2		PMC SB 8/40 FW 1-40	9289.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical		3 / 3		PMC SB 8/40 FW 41-80	9290.7
Application				PMC SB 8/40 FW 81-120	9291.7
Terminal width, mm		≥ 8		PMC SB 8/40 FS 1-8	9307.7
				PMC SB 8/40 FS 9-16	9308.7
				PMC SB 8/40 FS 17-24	9309.7
				PMC SB 8/40 FS 25-32	9310.7
				PMC SB 8/40 FS 33-40	9311.7
				PMC SB 8/40 FS 41-48	9312.7
				PMC SB 8/40 FS 49-56	9313.7
				PMC SB 8/40 FS 57-64	9314.7
				PMC SB 8/40 FS 65-72	9315.7
				PMC SB 8/40 FS 73-80	9316.7
				PMC SB 8/40 FS 81-88	9317.7
				PMC SB 8/40 FS 89-96	9318.7
				PMC SB 8/40 FS 97-104	9319.7
				PMC SB 8/40 FS 105-112	9320.7
				PMC SB 8/40 FS 113-120	9321.7
				PMC SB 8/40 FS 1-40	9286.7
				PMC SB 8/40 FS 41-80	9287.7
				PMC SB 8/40 FS 81-120	9288.7

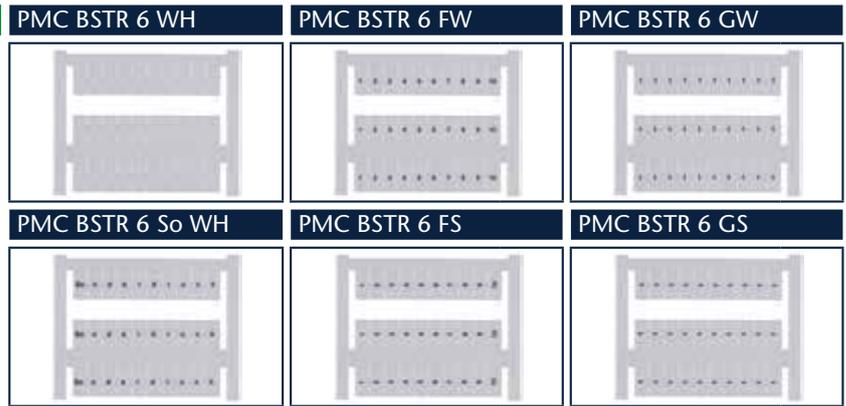
Terminal markers | Pocket-Maxicard PMC BSTR

Pocket-Maxicard PMC BSTR 6

The **BSTR 6** Pocket-Maxicard is suitable for labelling all CON-TA-CLIP terminal blocks that are wider than 6 mm. These are particularly suitable for longer sequences of characters.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free



		PMC BSTR 6 WH	PMC BSTR 6 FW	PMC BSTR 6 GW
		PMC BSTR 6 So WH	PMC BSTR 6 FS	PMC BSTR 6 GS
		PMC BSTR 6/...WH	PMC BSTR 6/...WH	PMC BSTR 6/...WH
		Pre-printed as shown	Pre-printed as shown	Pre-printed as shown
Type / colour		PMC BSTR 6/30 WH	PMC BSTR 6/30 FW 1-10	PMC BSTR 6/30 FS 271-300
Cat. no.		9106.7	9108.7	9162.7
Type / Colour	Qty.	PMC BSTR 6/30 WH	PMC BSTR 6/30 FW 11-20	PMC BSTR 6/30 FS 301-330
	Custom print	300	9109.7	9163.7
Cat. no.	Qty.	PMC BSTR 6/30 So WH	PMC BSTR 6/30 FW 21-30	PMC BSTR 6/30 FS 331-360
		300	9110.7	9164.7
			PMC BSTR 6/30 FW 31-40	PMC BSTR 6/30 FS 361-390
			9111.7	9165.7
			PMC BSTR 6/30 FW 41-50	PMC BSTR 6/30 FS 391-420
			9112.7	9166.7
			PMC BSTR 6/30 FW 51-60	PMC BSTR 6/30 FS 421-450
			9113.7	9167.7
			PMC BSTR 6/30 FW 61-70	PMC BSTR 6/30 FS 451-480
			9114.7	9168.7
			PMC BSTR 6/30 FW 71-80	PMC BSTR 6/30 FS 481-510
			9115.7	9169.7
			PMC BSTR 6/30 FW 81-90	PMC BSTR 6/30 FS 511-540
			9116.7	9170.7
			PMC BSTR 6/30 FW 91-100	PMC BSTR 6/30 FS
			9117.7	L1,L2,L3,N,PE
				9171.7
			PMC BSTR 6/30 FW 1-30	PMC BSTR 6/30 FS
			9118.7	U1,V1,W1,N,PE
				9172.7
			PMC BSTR 6/30 FW 31-60	PMC BSTR 6/30 FS U1,V1,W1
			9119.7	9173.7
			PMC BSTR 6/30 FW 61-90	PMC BSTR 6/30 FS
			9120.7	U2,V-2,W2,N,PE
				9174.7
			PMC BSTR 6/30 FW 91-120	PMC BSTR 6/30 FS U2,V-2,W2
			9121.7	9175.7
			PMC BSTR 6/30 FW 121-150	PMC BSTR 6/30 FS X1-X10
			9122.7	9176.7
			PMC BSTR 6/30 FW 151-180	
			9123.7	
			PMC BSTR 6/30 FW 181-210	PMC BSTR 6/30 GW 1
			9124.7	9177.7
			PMC BSTR 6/30 FW 211-240	PMC BSTR 6/30 GW 2
			9125.7	9178.7
			PMC BSTR 6/30 FW 241-270	PMC BSTR 6/30 GW 3
			9126.7	9179.7
			PMC BSTR 6/30 FW 271-300	PMC BSTR 6/30 GW 4
			9127.7	9180.7
			PMC BSTR 6/30 FW 301-330	PMC BSTR 6/30 GW 5
			9128.7	9181.7
			PMC BSTR 6/30 FW 331-360	PMC BSTR 6/30 GW 6
			9129.7	9182.7
			PMC BSTR 6/30 FW 361-390	PMC BSTR 6/30 GW 7
			9130.7	9183.7
			PMC BSTR 6/30 FW 391-420	PMC BSTR 6/30 GW 8
			9131.7	9184.7
			PMC BSTR 6/30 FW 421-450	PMC BSTR 6/30 GW 9
			9132.7	9185.7
			PMC BSTR 6/30 FW 451-480	PMC BSTR 6/30 GW 0
			9133.7	9186.7
			PMC BSTR 6/30 FW 481-510	PMC BSTR 6/30 GW X
			9134.7	9187.7
			PMC BSTR 6/30 FW 511-540	PMC BSTR 6/30 GW PE
			9135.7	9188.7
			PMC BSTR 6/30 FW 541-570	PMC BSTR 6/30 GW L1
			9136.7	9189.7
			PMC BSTR 6/30 FW	PMC BSTR 6/30 GW L2
			9137.7	9190.7
			L1,L2,L3,N,PE	
			PMC BSTR 6/30 FW	PMC BSTR 6/30 GW L3
			9138.7	9191.7
			U1,V1,W1,N,PE	
			PMC BSTR 6/30 FW U1,V1,W1	PMC BSTR 6/30 GW N
			9139.7	9192.7
			PMC BSTR 6/30 FW	PMC BSTR 6/30 GW +
			9140.7	9193.7
			U2,V-2,W2,N,PE	
			PMC BSTR 6/30 FW U2,V-	PMC BSTR 6/30 GW -
			9141.7	9194.7
			2,W2	
			PMC BSTR 6/30 FW X1-X10	
			9142.7	
			PMC BSTR 6/30 FS 1-10	PMC BSTR 6/30 GS 1
			9143.7	9195.7
			PMC BSTR 6/30 FS 11-20	PMC BSTR 6/30 GS 2
			9144.7	9196.7
			PMC BSTR 6/30 FS 21-30	PMC BSTR 6/30 GS 3
			9145.7	9197.7
			PMC BSTR 6/30 FS 31-40	PMC BSTR 6/30 GS 4
			9146.7	9198.7
			PMC BSTR 6/30 FS 41-50	PMC BSTR 6/30 GS 5
			9147.7	9199.7
			PMC BSTR 6/30 FS 51-60	PMC BSTR 6/30 GS 6
			9148.7	9200.7
			PMC BSTR 6/30 FS 61-70	PMC BSTR 6/30 GS 7
			9149.7	9201.7
			PMC BSTR 6/30 FS 71-80	PMC BSTR 6/30 GS 8
			9150.7	9202.7
			PMC BSTR 6/30 FS 81-90	PMC BSTR 6/30 GS 9
			9151.7	9203.7
			PMC BSTR 6/30 FS 91-100	PMC BSTR 6/30 GS 0
			9152.7	9204.7
			PMC BSTR 6/30 FS 1-30	PMC BSTR 6/30 GS X
			9153.7	9205.7
			PMC BSTR 6/30 FS 31-60	PMC BSTR 6/30 GS PE
			9154.7	9206.7
			PMC BSTR 6/30 FS 61-90	PMC BSTR 6/30 GS L1
			9155.7	9207.7
			PMC BSTR 6/30 FS 91-120	PMC BSTR 6/30 GS L2
			9156.7	9208.7
			PMC BSTR 6/30 FS 121-150	PMC BSTR 6/30 GS L3
			9157.7	9209.7
			PMC BSTR 6/30 FS 151-180	PMC BSTR 6/30 GS N
			9158.7	9210.7
			PMC BSTR 6/30 FS 181-210	PMC BSTR 6/30 GS -
			9159.7	9211.7
			PMC BSTR 6/30 FS 211-240	
			9160.7	
			PMC BSTR 6/30 FS 241-270	
			9161.7	

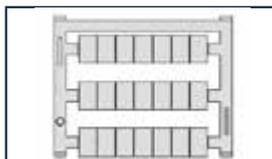
Pocket-Maxicard PMC BSTR 8

The **BSTR 8** Pocket-Maxicard is suitable for labelling all CON-TA-CLIP terminal blocks that are wider than 8 mm. These are particularly suitable for longer sequences of characters.

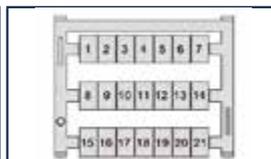
They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free

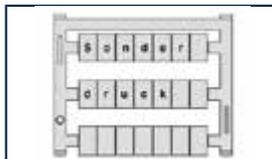
PMC BSTR 8 x 12 WH



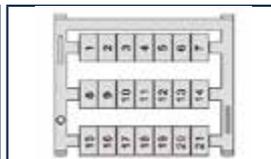
PMC BSTR 8 x 12 FW



PMC BSTR 8 x 12 So WH



PMC BSTR 8 x 12 FS



	PMC BSTR 8 x 12/21 WH	PMC BSTR 8 x 12/...WH Pre-printed as shown	<i>Cat. no.</i>
Type / colour			
<i>Cat. no.</i>	9410.7	PMC BSTR 8 x 12/21 FW 1-21	9413.7
Type / Colour	Qty.	PMC BSTR 8 x 12/21 FW 22-42	9414.7
<i>Cat. no.</i>	Custom print	PMC BSTR 8 x 12/21 FW 43-63	9415.7
Dimensions	PMC BSTR 8 x 12/21 So WH	PMC BSTR 8 x 12/21 FW 64-84	9416.7
Length x width (mm)	Qty.	PMC BSTR 8 x 12/21 FW 84-105	9417.7
Number of markers per row	9411.7	PMC BSTR 8 x 12/21 FW 1-42	9418.7
Number of markers per card	210	PMC BSTR 8 x 12/21 FW 43-84	9419.7
Material		PMC BSTR 8 x 12/21 FW 1-105	9420.7
Material	PA 6.6, halogen-free	PMC BSTR 8 x 12/21 FW 106-210	9421.7
Temperature range	-40 °C to +105 °C	PMC BSTR 8 x 12/21 FW L1,L2,L3,N,PE	9422.7
Flamm. class acc. to UL 94	V-2	PMC BSTR 8 x 12/21 FS 1-21	9423.7
Printed		PMC BSTR 8 x 12/21 FS 22-42	9424.7
Printing process	Thermal transfer	PMC BSTR 8 x 12/21 FS 43-63	9425.7
Labelling pen	BS-1	PMC BSTR 8 x 12/21 FS 64-84	9426.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal	6 / 5	PMC BSTR 8 x 12/21 FS 84-105	9427.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical	9 / 4	PMC BSTR 8 x 12/21 FS 1-42	9428.7
Application		PMC BSTR 8 x 12/21 FS 43-84	9429.7
Terminal width, mm	≥ 8	PMC BSTR 8 x 12/21 FS 1-105	9430.7
		PMC BSTR 8 x 12/21 FS 106-210	9431.7
		PMC BSTR 8 x 12/21 FS L1,L2,L3,N,PE	9432.7

Terminal markers | Pocket-Maxicard PMC BSTR

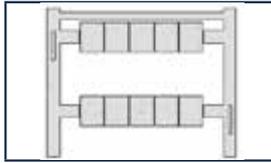
Pocket-Maxicard PMC BSTR 10

The **BSTR 10** Pocket-Maxicard is suitable for labelling all CON-TA-CLIP terminal blocks that are wider than 10 mm. These are particularly suitable for longer sequences of characters.

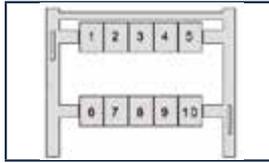
They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

Material: polyamide 6.6 UL 94 V-2, halogen-free

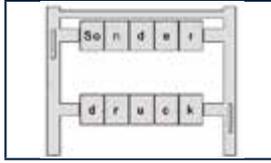
PMC BSTR 10 x 12 WH



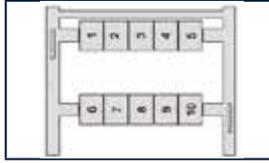
PMC BSTR 10 x 12 FW



PMC BSTR 10 x 12 So WH

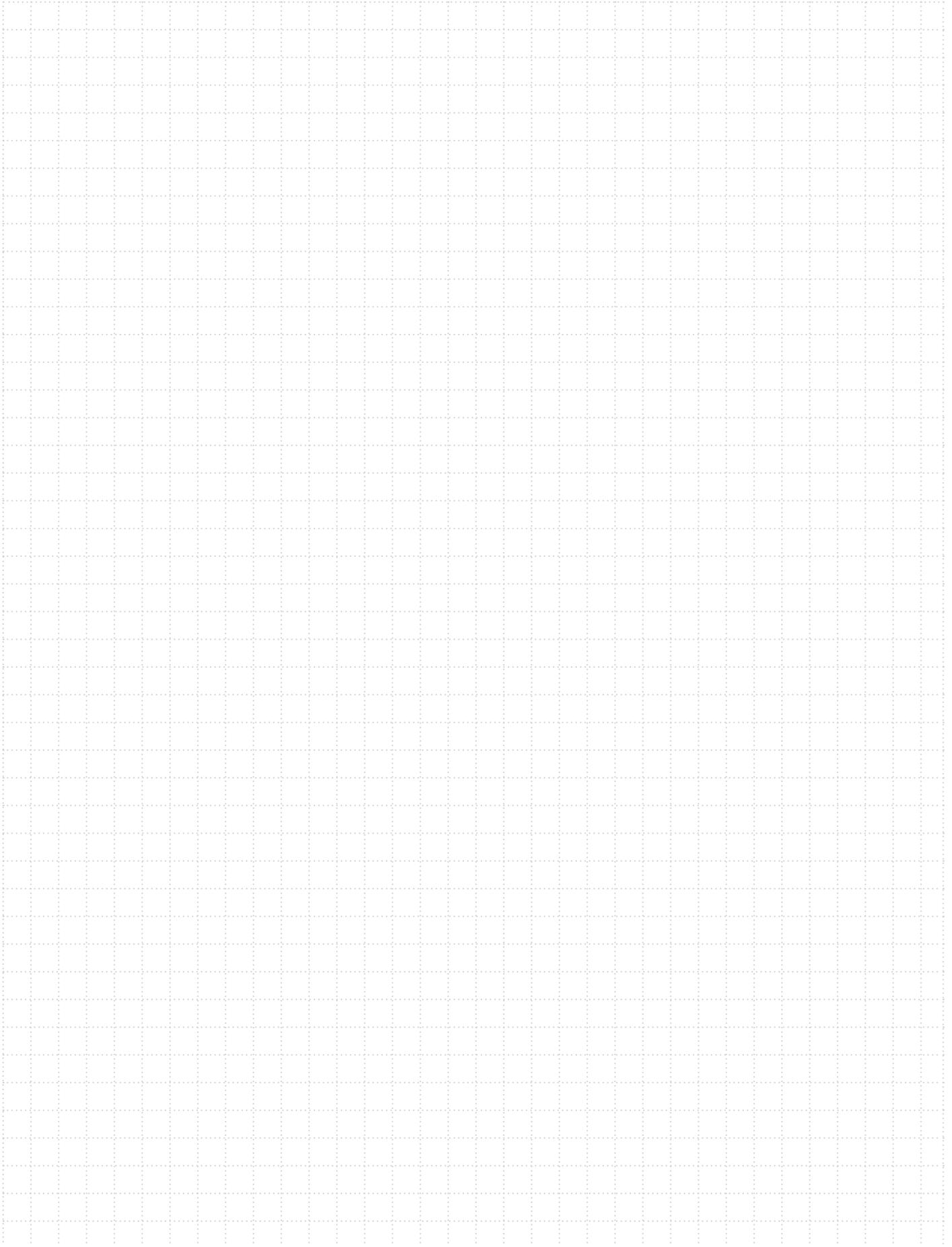


PMC BSTR 10 x 12 FS



		PMC BSTR 10 x 12/21 WH	PMC BSTR 10 x 12/...WH Pre-printed as shown	Cat. no.
Type / colour			PMC BSTR 10x12/10 FW 1-10	9436.7
Cat. no.	Qty.	9433.7 100	PMC BSTR 10x12/10 FW 11-20	9437.7
Type / Colour	Custom print	PMC BSTR 10 x 12/21 So WH	PMC BSTR 10x12/10 FW 22-30	9438.7
Cat. no.	Qty.	9434.7 100	PMC BSTR 10x12/10 FW 31-40	9439.7
Dimensions			PMC BSTR 10x12/10 FW 41-50	9440.7
Length x width (mm)		12 x 10	PMC BSTR 10x12/10 FW 1-40	9441.7
Number of markers per row		5	PMC BSTR 10x12/10 FW 41-80	9442.7
Number of markers per card		10	PMC BSTR 10x12/10 FW 81-120	9443.7
Material			PMC BSTR 10x12/10 FW 1-100	9444.7
Material		PA 6.6, halogen-free	PMC BSTR 10x12/10 FW L1,L2,L3,N,PE	9445.7
Temperature range		-40°C to +105°C		
Flamm. class acc. to UL 94		V-2	PMC BSTR 10x12/10 FS 1-10	9446.7
Printed			PMC BSTR 10x12/10 FS 11-20	9447.7
Printing process		Thermal transfer	PMC BSTR 10x12/10 FS 22-30	9448.7
Labelling pen		BS-1	PMC BSTR 10x12/10 FS 31-40	9449.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: horizontal		8 / 5	PMC BSTR 10x12/10 FS 41-50	9450.7
Number of characters / rows when using font size 1.6 and plotter pen 0.25: vertical		9 / 5	PMC BSTR 10x12/10 FS 1-40	9451.7
Application			PMC BSTR 10x12/10 FS 41-80	9452.7
Terminal width, mm		≥ 10	PMC BSTR 10x12/10 FS 81-120	9453.7
			PMC BSTR 10x12/10 FS 1-100	9454.7
			PMC BSTR 10x12/10 FS L1,L2,L3,N,PE	9455.7

Notes



Terminal markers | Quick marking system SB

Quick marking system SB 5

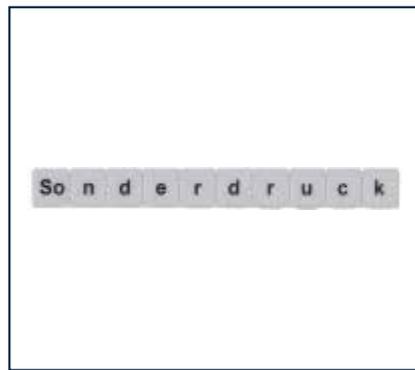
The **SB 5** quick marking system is suitable for labelling all CONTA-CLIP terminals that are wider than 5 mm. They are available in a variety of standard, prefabricated markers or with custom labelling.

The **SB 5** blank markers are available as **MC SB 5/200 WH**. They can easily be printed on using the **EMS** plotter system.

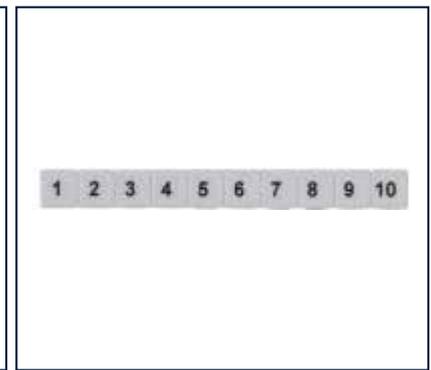
Material: polyamide 6.6 UL 94 V-2, halogen-free



SB 5 So WH



SB 5 FW



		SB 5/...WH Pre-printed as shown		Cat. no.	SB 5/...WH Pre-printed as shown		Cat. no.
Type / colour		SB 5/10 WH		SB 5/10 FW 1-10	2431.0001	SB 5/10 FS X1; Y1; Z1	2472.0001
Cat. no.	Qty.	2430.0	250	SB 5/10 FW 11-20	2431.0002	SB 5/10 FS X2; Y2; Z2	2472.0002
Type / Colour	Custom print	SB 5/10 So WH		SB 5/10 FW 21-30	2431.0003	SB 5/10 FS X3; Y3; Z3	2472.0003
Cat. no.	Qty.	2431.7	250	SB 5/10 FW 31-40	2431.0004	SB 5/10 FS X4; Y4; Z4	2472.0004
Dimensions				SB 5/10 FW 41-50	2431.0005	SB 5/10 FS X5; Y5; Z5	2472.0005
Length x width (mm)		5 x 5		SB 5/10 FW 51-60	2431.0006	SB 5/10 FS X6; Y6; Z6	2472.0006
Number of markers per row		10		SB 5/10 FW 61-70	2431.0007	SB 5/10 FS X7; Y7; Z7	2472.0007
Number of markers per card		-		SB 5/10 FW 71-80	2431.0008	SB 5/10 FS X8; Y8; Z8	2472.0008
Material				SB 5/10 FW 81-90	2431.0009	SB 5/10 FS X9; Y9; Z9	2472.0009
Material		PA 6.6, halogen-free		SB 5/10 FW 91-100	2431.0010	SB 5/10 FS X10; Y10; Z10	2472.0010
Temperature range		-40°C to +105°C		SB 5/10 FW X1; Y1; Z1	2404.0001	SB 5/10 FS R1; S1; T1	2472.0011
Flamm. class acc. to UL 94		V-2		SB 5/10 FW X2; Y2; Z2	2404.0002	SB 5/10 FS R2; S2; T2	2472.0012
Printed				SB 5/10 FW X3; Y3; Z3	2404.0003	SB 5/10 FS R3; S3; T3	2472.0013
Printing process		Thermal transfer		SB 5/10 FW X4; Y4; Z4	2404.0004	SB 5/10 FS R4; S4; T4	2472.0014
Labelling pen		BS-1		SB 5/10 FW X5; Y5; Z5	2404.0005	SB 5/10 FS R5; S5; T5	2472.0015
Plotter		EMS-2		SB 5/10 FW X6; Y6; Z6	2404.0006	SB 5/10 FS R6; S6; T6	2472.0016
Application				SB 5/10 FW X7; Y7; Z7	2404.0007	SB 5/10 FS R7; S7; T7	2472.0017
Terminal width, mm		≥ 5		SB 5/10 FW X8; Y8; Z8	2404.0008	SB 5/10 FS R8; S8; T8	2472.0018
				SB 5/10 FW X9; Y9; Z9	2404.0009	SB 5/10 FS R9; S9; T9	2472.0019
				SB 5/10 FW X10; Y10; Z10	2404.0010	SB 5/10 FS R10; S10; T10	2472.0020
				SB 5/10 FW R1; S1; T1	2404.0011	SB 5/10 FS U1; V1; W1	2472.0021
				SB 5/10 FW R2; S2; T2	2404.0012	SB 5/10 FS U2; V2; W2	2472.0022
				SB 5/10 FW R3; S3; T3	2404.0013	SB 5/10 FS U3; V3; W3	2472.0023
				SB 5/10 FW R4; S4; T4	2404.0014	SB 5/10 FS U4; V4; W4	2472.0024
				SB 5/10 FW R5; S5; T5	2404.0015	SB 5/10 FS U5; V5; W5	2472.0025
				SB 5/10 FW R6; S6; T6	2404.0016	SB 5/10 FS U6; V6; W6	2472.0026
				SB 5/10 FW R7; S7; T7	2404.0017	SB 5/10 FS U7; V7; W7	2472.0027
				SB 5/10 FW R8; S8; T8	2404.0018	SB 5/10 FS U8; V8; W8	2472.0028
				SB 5/10 FW R9; S9; T9	2404.0019	SB 5/10 FS U9; V9; W9	2472.0029
				SB 5/10 FW R10; S10; T10	2404.0020	SB 5/10 FS U10; V10; W10	2472.0030
				SB 5/10 FW U1; V1; W1	2404.0021	SB 5/10 FS U; V; W; N; PE	2473.0001
				SB 5/10 FW U2; V2; W2	2404.0022	SB 5/10 FS R; S; T; N;	2473.0002
						Earth with circle	
				SB 5/10 FW U3; V3; W3	2404.0023	SB 5/10 FS L1; L2; L3; N; PE	2473.0003
				SB 5/10 FW U4; V4; W4	2404.0024	SB 5/10FWL1; L2; L3; N;	2473.0004
						Earth with circle	
				SB 5/10 FW U5; V5; W5	2404.0025		
				SB 5/10 FW U6; V6; W6	2404.0026	SB 5/10 GW 1	2432.0001
				SB 5/10 FW U7; V7; W7	2404.0027	SB 5/10 GW 2	2432.0002
				SB 5/10 FW U8; V8; W8	2404.0028	SB 5/10 GW 3	2432.0003
				SB 5/10 FW U9; V9; W9	2404.0029	SB 5/10 GW 4	2432.0004
				SB 5/10 FW U10; V10; W10	2404.0030	SB 5/10 GW 5	2432.0005
				SB 5/10 FW U; V; W; N; PE	2471.0001	SB 5/10 GW 6	2432.0006
				SB 5/10 FW R; S; T; N;	2471.0002	SB 5/10 GW 7	2432.0007
				Earth with circle			
				SB 5/10 FW L1; L2; L3;	2471.0003	SB 5/10 GW 8	2432.0008
				N; PE			
				SB 5/10FWL1; L2; L3; N;	2471.0004	SB 5/10 GW 9	2432.0009
				Earth with circle			
						SB 5/10 GW 10	2432.0010
				SB 5/10 FS 1-10	2433.0001	SB 5/10 GW 11	2432.0011
				SB 5/10 FS 11-20	2433.0002	SB 5/10 GW 12	2432.0012
				SB 5/10 FS 21-30	2433.0003	SB 5/10 GW 13	2432.0013
				SB 5/10 FS 31-40	2433.0004	SB 5/10 GW 14	2432.0014
				SB 5/10 FS 41-50	2433.0005	SB 5/10 GW 15	2432.0015
				SB 5/10 FS 51-60	2433.0006	SB 5/10 GW 16	2432.0016
				SB 5/10 FS 61-70	2433.0007	SB 5/10 GW 17	2432.0017
				SB 5/10 FS 71-80	2433.0008	SB 5/10 GW 18	2432.0018
				SB 5/10 FS 81-90	2433.0009	SB 5/10 GW 19	2432.0019
				SB 5/10 FS 91-100	2433.0010	SB 5/10 GW 20	2432.0020

Terminal markers | Quick marking system SB

Quick marking system SB 6

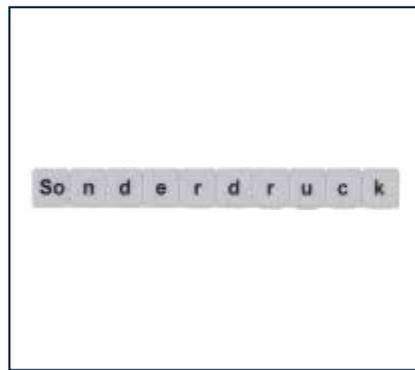
The **SB 6** quick marking system is suitable for labelling all CONTA-CLIP terminals that are wider than 6 mm. They are available in a variety of standard, prefabricated markers or with custom labelling.

The **SB 6** blank markers are available as **MC SB 6/200 WH**. They can easily be printed on using the **EMS** plotter system.

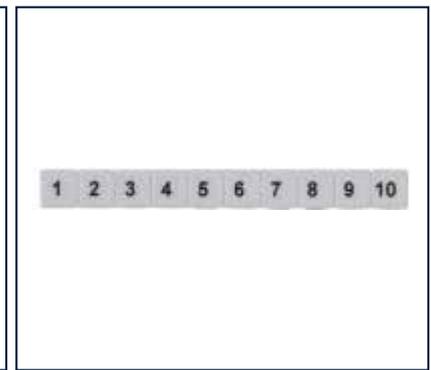
Material: polyamide 6.6 UL 94 V-2, halogen-free



SB 6 So WH



SB 6 FW



	SB 6/10 WH	SB 6/...WH Pre-printed as shown	Cat. no.	SB 6/...WH Pre-printed as shown	Cat. no.
Type / colour	SB 6/10 WH	SB 6/10 FW 1-10	2036.0001	SB 6/10 FS X1; Y1; Z1	2990.0001
Cat. no.	2035.0	SB 6/10 FW 11-20	2036.0002	SB 6/10 FS X2; Y2; Z2	2990.0002
Type / Colour	SB 6/10 So WH	SB 6/10 FW 21-30	2036.0003	SB 6/10 FS X3; Y3; Z3	2990.0003
Qty.	250	SB 6/10 FW 31-40	2036.0004	SB 6/10 FS X4; Y4; Z4	2990.0004
Custom print		SB 6/10 FW 41-50	2036.0005	SB 6/10 FS X5; Y5; Z5	2990.0005
Cat. no.	2431.7	SB 6/10 FW 51-60	2036.0006	SB 6/10 FS X6; Y6; Z6	2990.0006
Qty.	250	SB 6/10 FW 61-70	2036.0007	SB 6/10 FS X7; Y7; Z7	2990.0007
Dimensions		SB 6/10 FW 71-80	2036.0008	SB 6/10 FS X8; Y8; Z8	2990.0008
Length x width (mm)	5 x 6	SB 6/10 FW 81-90	2036.0009	SB 6/10 FS X9; Y9; Z9	2990.0009
Number of markers per row	10	SB 6/10 FW 91-100	2036.0010	SB 6/10 FS X10; Y10; Z10	2990.0010
Number of markers per card	-	SB 6/10 FW X1; Y1; Z1	2989.0001	SB 6/10 FS R1; S1; T1	2990.0011
Material		SB 6/10 FW X2; Y2; Z2	2989.0002	SB 6/10 FS R2; S2; T2	2990.0012
Material	PA 6.6, halogen-free	SB 6/10 FW X3; Y3; Z3	2989.0003	SB 6/10 FS R3; S3; T3	2990.0013
Temperature range	-40 °C to +105 °C	SB 6/10 FW X4; Y4; Z4	2989.0004	SB 6/10 FS R4; S4; T4	2990.0014
Flamm. class acc. to UL 94	V-2	SB 6/10 FW X5; Y5; Z5	2989.0005	SB 6/10 FS R5; S5; T5	2990.0015
Printed		SB 6/10 FW X6; Y6; Z6	2989.0006	SB 6/10 FS R6; S6; T6	2990.0016
Printing process	Thermal transfer	SB 6/10 FW X7; Y7; Z7	2989.0007	SB 6/10 FS R7; S7; T7	2990.0017
Labelling pen	BS-1	SB 6/10 FW X8; Y8; Z8	2989.0008	SB 6/10 FS R8; S8; T8	2990.0018
Plotter	EMS-2	SB 6/10 FW X9; Y9; Z9	2989.0009	SB 6/10 FS R9; S9; T9	2990.0019
Application		SB 5/10 FW X10; Y10; Z10	2989.0010	SB 6/10 FS R10; S10; T10	2990.0020
Terminal width, mm	≥ 6	SB 6/10 FW R1; S1; T1	2989.0011	SB 6/10 FS U1; V1; W1	2990.0021
		SB 6/10 FW R2; S2; T2	2989.0012	SB 6/10 FS U2; V2; W2	2990.0022
		SB 6/10 FW R3; S3; T3	2989.0013	SB 6/10 FS U3; V3; W3	2990.0023
		SB 6/10 FW R4; S4; T4	2989.0014	SB 6/10 FS U4; V4; W4	2990.0024
		SB 6/10 FW R5; S5; T5	2989.0015	SB 6/10 FS U5; V5; W5	2990.0025
		SB 6/10 FW R6; S6; T6	2989.0016	SB 6/10 FS U6; V6; W6	2990.0026
		SB 6/10 FW R7; S7; T7	2989.0017	SB 6/10 FS U7; V7; W7	2990.0027
		SB 6/10 FW R8; S8; T8	2989.0018	SB 6/10 FS U8; V8; W8	2990.0028
		SB 6/10 FW R9; S9; T9	2989.0019	SB 6/10 FS U9; V9; W9	2990.0029
		SB 6/10 FW R10; S10; T10	2989.0020	SB 6/10 FS U10; V10; W10	2990.0030
		SB 6/10 FW U1; V1; W1	2989.0021	SB 6/10 FS U; V; W; N; PE	2149.0001
		SB 6/10 FW U2; V2; W2	2989.0022	SB 6/10 FS R; S; T; N;	2149.0002
				Earth with circle	
		SB 6/10 FW U3; V3; W3	2989.0023	SB 6/10 FS L1; L2; L3; N; PE	2149.0003
		SB 6/10 FW U4; V4; W4	2989.0024	SB 6/10 FWL1; L2; L3; N;	2149.0004
				Earth with circle	
		SB 6/10 FW U5; V5; W5	2989.0025		
		SB 6/10 FW U6; V6; W6	2989.0026	SB 6/10 GW 1	2102.0001
		SB 6/10 FW U7; V7; W7	2989.0027	SB 6/10 GW 2	2102.0002
		SB 6/10 FW U8; V8; W8	2989.0028	SB 6/10 GW 3	2102.0003
		SB 6/10 FW U9; V9; W9	2989.0029	SB 6/10 GW 4	2102.0004
		SB 6/10 FW U10; V10; W10	2989.0030	SB 6/10 GW 5	2102.0005
		SB 6/10 FW U; V; W; N; PE	2040.0001	SB 6/10 GW 6	2102.0006
		SB 6/10 FW R; S; T; N;	2040.0002	SB 6/10 GW 7	2102.0007
		Earth with circle			
		SB 6/10 FW	2040.0003	SB 6/10 GW 8	2102.0008
		L1; L2; L3; N; PE			
		SB 6/10 FW L1; L2; L3;	2040.0004	SB 6/10 GW 9	2102.0009
		N; Earth with circle			
				SB 6/10 GW 10	2102.0010
		SB 6/10 FS 1-10	2037.0001	SB 6/10 GW 11	2102.0011
		SB 6/10 FS 11-20	2037.0002	SB 6/10 GW 12	2102.0012
		SB 6/10 FS 21-30	2037.0003	SB 6/10 GW 13	2102.0013
		SB 6/10 FS 31-40	2037.0004	SB 6/10 GW 14	2102.0014
		SB 6/10 FS 41-50	2037.0005	SB 6/10 GW 15	2102.0015
		SB 6/10 FS 51-60	2037.0006	SB 6/10 GW 16	2102.0016
		SB 6/10 FS 61-70	2037.0007	SB 6/10 GW 17	2102.0017
		SB 6/10 FS 71-80	2037.0008	SB 6/10 GW 18	2102.0018
		SB 6/10 FS 81-90	2037.0009	SB 6/10 GW 19	2102.0019
		SB 6/10 FS 91-100	2037.0010	SB 6/10 GW 20	2102.0020
				SB 6/10 GW 21	2102.0021
				SB 6/10 GW 22	2102.0022
				SB 6/10 GW 23	2102.0023
				SB 6/10 GW 24	2102.0024

Terminal markers | Quick marking system SB

Quick marking system SB 8

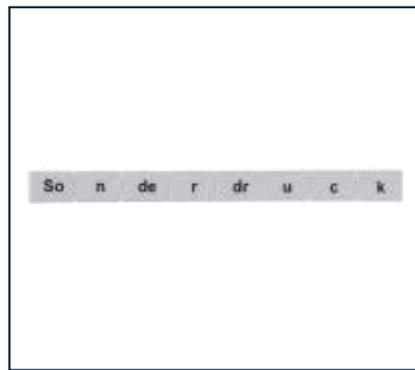
The **SB 8** quick marking system is suitable for labelling all CONTA-CLIP terminals that are wider than 8 mm. They are available in a variety of standard, prefabricated markers or with custom labelling.

The **SB 8** blank markers are available as **MC SB 8/160 WH**. They can easily be printed on using the **EMS** plotter system.

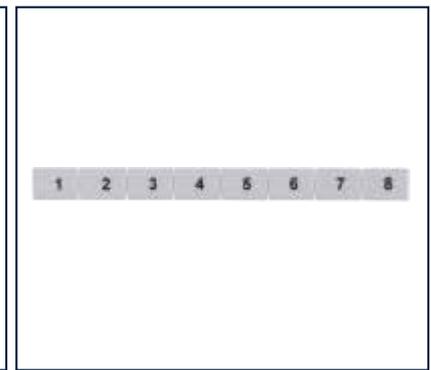
Material: polyamide 6.6 UL 94 V-2, halogen-free



SB 8 So WH

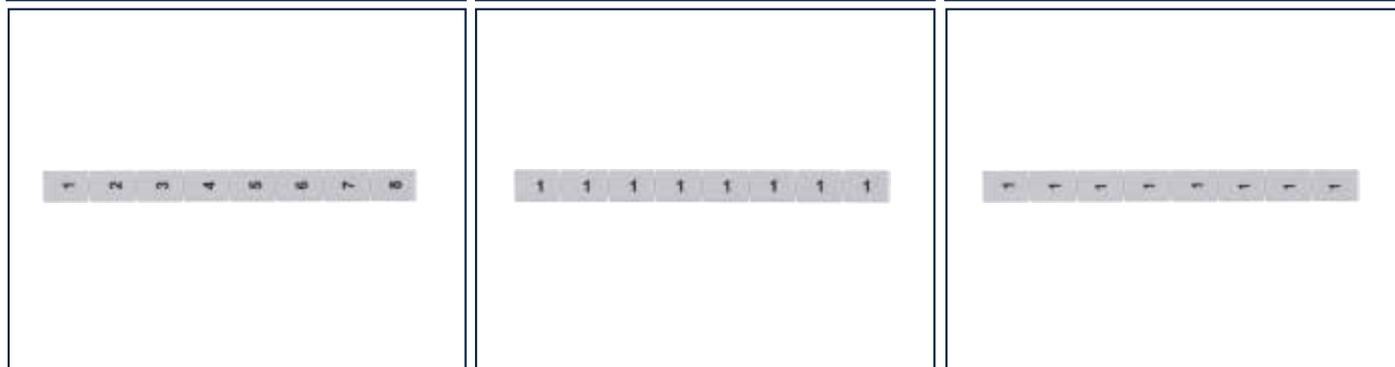


SB 6 FW



	SB 8/8 WH	SB 8/...WH Pre-printed as shown	Cat. no.	SB 8/...WH Pre-printed as shown	Cat. no.
Type / colour	SB 8/8 WH	SB 8/8 FW 1-8	9476.0001	SB 8/8 FS 73-80	9477.0010
Cat. no.	2940.0	SB 8/8 FW 9-16	9476.0002	SB 8/8 FS 81-88	9477.0011
Type / Colour	Custom print	SB 8/8 FW 17-24	9476.0003	SB 8/8 FS 89-96	9477.0012
Cat. no.	Qty.	SB 8/8 FW 25-32	9476.0004	SB 8/8 FS 97-104	9477.0013
Dimensions		SB 8/8 FW 33-40	9476.0005	SB 8/8 FS 105-112	9477.0014
Length x width (mm)	5 x 8	SB 8/8 FW 41-48	9476.0006	SB 8/8 FS 113-120	9477.0015
Number of markers per row	8	SB 8/8 FW 49-56	9476.0007	SB 8/8 FS X1; Y1; Z1	9482.0001
Number of markers per card	-	SB 8/8 FW 57-64	9476.0008	SB 8/8 FS X2; Y2; Z2	9482.0002
Material		SB 8/8 FW 65-72	9476.0009	SB 8/8 FS X3; Y3; Z3	9482.0003
Material	PA 6.6, halogen-free	SB 8/8 FW 73-80	9476.0010	SB 8/8 FS X4; Y4; Z4	9482.0004
Temperature range	-40 °C to +105 °C	SB 8/8 FW 81-88	9476.0011	SB 8/8 FS X5; Y5; Z5	9482.0005
Flamm. class acc. to UL 94	V-2	SB 8/8 FW 89-96	9476.0012	SB 8/8 FS X6; Y6; Z6	9482.0006
Printed		SB 8/8 FW 97-104	9476.0013	SB 8/8 FS X7; Y7; Z7	9482.0007
Printing process	Thermal transfer	SB 8/8 FW 105-112	9476.0014	SB 8/8 FS X8; Y8; Z8	9482.0008
Labelling pen	BS-1	SB 8/8 FW 113-120	9476.0015	SB 8/8 FS X9; Y9; Z9	9482.0009
Plotter	EMS-2	SB 8/8 FW X1; Y1; Z1	9480.0001	SB 5/10 FS X10; Y10; Z10	9482.0010
Application		SB 8/8 FW X2; Y2; Z2	9480.0002	SB 8/8 FS R1; S1; T1	9482.0011
Terminal width, mm	≥ 8	SB 8/8 FW X3; Y3; Z3	9480.0003	SB 8/8 FS R2; S2; T2	9482.0012
		SB 8/8 FW X4; Y4; Z4	9480.0004	SB 8/8 FS R3; S3; T3	9482.0013
		SB 8/8 FW X5; Y5; Z5	9480.0005	SB 8/8 FS R4; S4; T4	9482.0014
		SB 8/8 FW X6; Y6; Z6	9480.0006	SB 8/8 FS R5; S5; T5	9482.0015
		SB 8/8 FW X7; Y7; Z7	9480.0007	SB 8/8 FS R6; S6; T6	9482.0016
		SB 8/8 FW X8; Y8; Z8	9480.0008	SB 8/8 FS R7; S7; T7	9482.0017
		SB 8/8 FW X9; Y9; Z9	9480.0009	SB 8/8 FS R8; S8; T8	9482.0018
		SB 5/10 FW X10; Y10; Z10	9480.0010	SB 8/8 FS R9; S9; T9	9482.0019
		SB 8/8 FW R1; S1; T1	9480.0011	SB 8/8 FS R10; S10; T10	9482.0020
		SB 8/8 FW R2; S2; T2	9480.0012	SB 8/8 FS U1; V1; W1	9482.0021
		SB 8/8 FW R3; S3; T3	9480.0013	SB 8/8 FS U2; V-2; W2	9482.0022
		SB 8/8 FW R4; S4; T4	9480.0014	SB 8/8 FS U3; V3; W3	9482.0023
		SB 8/8 FW R5; S5; T5	9480.0015	SB 8/8 FS U4; V4; W4	9482.0024
		SB 8/8 FW R6; S6; T6	9480.0016	SB 8/8 FS U5; V5; W5	9482.0025
		SB 8/8 FW R7; S7; T7	9480.0017	SB 8/8 FS U6; V6; W6	9482.0026
		SB 8/8 FW R8; S8; T8	9480.0018	SB 8/8 FS U7; V7; W7	9482.0027
		SB 8/8 FW R9; S9; T9	9480.0019	SB 8/8 FS U8; V8; W8	9482.0028
		SB 8/8 FW R10; S10; T10	9480.0020	SB 8/8 FS U9; V9; W9	9482.0029
		SB 8/8 FW U1; V1; W1	9480.0021	SB 8/8 FS U10; V10; W10	9482.0030
		SB 8/8 FW U2; V-2; W2	9480.0022	SB 8/8 FS U; V; W; N; PE	9483.0001
		SB 8/8 FW U3; V3; W3	9480.0023	SB 8/8 FS R; S; T; N;	9483.0002
		SB 8/8 FW U4; V4; W4	9480.0024	Earth with circle	
		SB 8/8 FW U5; V5; W5	9480.0025	SB 8/8 FS L1; L2; L3;	9483.0003
		SB 8/8 FW U6; V6; W6	9480.0026	N; PE	
		SB 8/8 FW U7; V7; W7	9480.0027	SB 8/8 FS L1; L2; L3; N;	9483.0004
		SB 8/8 FW U8; V8; W8	9480.0028	Earth with circle	
		SB 8/8 FW U9; V9; W9	9480.0029	SB 8/8 GW 0	9478.0000
		SB 8/8 FW U10; V10; W10	9480.0030	SB 8/8 GW 1	9478.0001
		SB 8/8 FW U; V; W; N; PE	9481.0001	SB 8/8 GW 2	9478.0002
		SB 8/8 FW R; S; T; N;	9481.0002	SB 8/8 GW 3	9478.0003
		Earth with circle		SB 8/8 GW 4	9478.0004
		SB 8/8 FW L1; L2; L3;	9481.0003	SB 8/8 GW 5	9478.0005
		N; PE		SB 8/8 GW 6	9478.0006
		SB 8/8 FW L1; L2; L3; N;	9481.0004	SB 8/8 GW 7	9478.0007
		Earth with circle		SB 8/8 GW 8	9478.0008
		SB 8/8 FS 1-8	9477.0001	SB 8/8 GW 9	9478.0009
		SB 8/8 FS 9-16	9477.0002	SB 8/8 GW X	9478.0010
		SB 8/8 FS 17-24	9477.0003	SB 8/8 GW PE	9478.0011
		SB 8/8 FS 25-32	9477.0004	SB 8/8 GW L1	9478.0012
		SB 8/8 FS 33-40	9477.0005	SB 8/8 GW L2	9478.0013
		SB 8/8 FS 41-48	9477.0006	SB 8/8 GW L3	9478.0014
		SB 8/8 FS 49-56	9477.0007	SB 8/8 GW N	9478.0015
		SB 8/8 FS 57-64	9477.0008	SB 8/8 GW +	9478.0016
		SB 8/8 FS 65-72	9477.0009	SB 8/8 GW -	9478.0017

SB 8 FS	SB 8 GW	SB 8 GS
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SB 8/...WH Pre-printed as shown	Cat. no.	SB 8/...WH Pre-printed as shown	Cat. no.	SB 8/...WH Pre-printed as shown	Cat. no.	SB 8/...WH Pre-printed as shown	Cat. no.
SB 8/8 GW A	9484.0001	SB 8/8 GS A	9485.0001				
SB 8/8 GW B	9484.0002	SB 8/8 GS B	9485.0002				
SB 8/8 GW C	9484.0003	SB 8/8 GS C	9485.0003				
SB 8/8 GW D	9484.0004	SB 8/8 GS D	9485.0004				
SB 8/8 GW E	9484.0005	SB 8/8 GS E	9485.0005				
SB 8/8 GW F	9484.0006	SB 8/8 GS F	9485.0006				
SB 8/8 GW G	9484.0007	SB 8/8 GS G	9485.0007				
SB 8/8 GW H	9484.0008	SB 8/8 GS H	9485.0008				
SB 8/8 GW I	9484.0009	SB 8/8 GS I	9485.0009				
SB 8/8 GW J	9484.0010	SB 8/8 GS J	9485.0010				
SB 8/8 GW K	9484.0011	SB 8/8 GS K	9485.0011				
SB 8/8 GW L	9484.0012	SB 8/8 GS L	9485.0012				
SB 8/8 GW M	9484.0013	SB 8/8 GS M	9485.0013				
SB 8/8 GW N	9484.0014	SB 8/8 GS N	9485.0014				
SB 8/8 GW O	9484.0015	SB 8/8 GS O	9485.0015				
SB 8/8 GW P	9484.0016	SB 8/8 GS P	9485.0016				
SB 8/8 GW Q	9484.0017	SB 8/8 GS Q	9485.0017				
SB 8/8 GW R	9484.0018	SB 8/8 GS R	9485.0018				
SB 8/8 GW S	9484.0019	SB 8/8 GS S	9485.0019				
SB 8/8 GW T	9484.0020	SB 8/8 GS T	9485.0020				
SB 8/8 GW U	9484.0021	SB 8/8 GS U	9485.0021				
SB 8/8 GW V	9484.0022	SB 8/8 GS V	9485.0022				
SB 8/8 GW W	9484.0023	SB 8/8 GS W	9485.0023				
SB 8/8 GW X	9484.0024	SB 8/8 GS X	9485.0024				
SB 8/8 GW Y	9484.0025	SB 8/8 GS Y	9485.0025				
SB 8/8 GW Z	9484.0026	SB 8/8 GS Z	9485.0026				
SB 8/8 GW PE	9484.0027	SB 8/8 GS PE	9485.0027				
SB 8/8 GW PEN	9484.0028	SB 8/8 GS PEN	9485.0028				
SB 8/8 GW MP	9484.0029	SB 8/8 GS MP	9485.0029				
SB 8/8 GW SL	9484.0030	SB 8/8 GS SL	9485.0030				
SB 8/8 GW T1	9484.0031	SB 8/8 GS T1	9485.0031				
SB 8/8 GW T2	9484.0032	SB 8/8 GS T2	9485.0032				
SB 8/8 GW T3	9484.0033	SB 8/8 GS T3	9485.0033				
SB 8/8 GW +	9484.0034	SB 8/8 GS +	9485.0034				
SB 8/8 GW -	9484.0035	SB 8/8 GS -	9485.0035				
SB 8/8 GW ~	9484.0036	SB 8/8 GS ~	9485.0036				
SB 8/8 GW Earth	9484.0037	SB 8/8 GS Earth	9485.0037				
SB 8/8 GW Earth with circuit	9484.0038	SB 8/8 GS Earth with circle	9485.0038				
SB 8/8 GS 0	9479.0000						
SB 8/8 GS 1	9479.0001						
SB 8/8 GS 2	9479.0002						
SB 8/8 GS 3	9479.0003						
SB 8/8 GS 4	9479.0004						
SB 8/8 GS 5	9479.0005						
SB 8/8 GS 6	9479.0006						
SB 8/8 GS 7	9479.0007						
SB 8/8 GS 8	9479.0008						
SB 8/8 GS 9	9479.0009						
SB 8/8 GS X	9479.0010						
SB 8/8 GS PE	9479.0011						
SB 8/8 GS L1	9479.0012						
SB 8/8 GS L2	9479.0013						
SB 8/8 GS L3	9479.0014						
SB 8/8 GS N	9479.0015						
SB 8/8 GS +	9479.0016						
SB 8/8 GS -	9479.0017						

Types and catalogue numbers, alphabetic

Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
A			K			P		
AD 3/1000 mm transparent	2958.2	98	K1 RD	12002.9	65–66	PMC BSTR 5/36 FS 109-144 WH	9050.7	107
AQI 10/5/15 YE	2029.0	77	K2 RD	12003.9	65–66	PMC BSTR 5/36 FS 13-24 WH	9038.7	107
AQI 2/5/15 YE	2023.0	31	M			PMC BSTR 5/36 FS 145-180 WH	9051.7	107
		77	MC SB 5/200 WH	3300.7	96–97	PMC BSTR 5/36 FS 181-216 WH	9052.7	107
AQI 3/5/15 YE	2024.0	31	P			PMC BSTR 5/36 FS 217-252 WH	9053.7	107
		77	PBT 1200/10/5 08 GN	11362.1	66	PMC BSTR 5/36 FS 25-36 WH	9039.7	107
AQI 4/5/15 YE	2028.0	77	PBT 1200/2/5 08 GN	11354.1	66	PMC BSTR 5/36 FS 253-288 WH	9054.7	107
AS 3/10 WH	2571.0	96–97	PBT 1200/3/5 08 GN	11355.1	66	PMC BSTR 5/36 FS 289-324 WH	9055.7	107
B			PBT 1200/4/5 08 GN	11356.1	66	PMC BSTR 5/36 FS 325-360 WH	9056.7	107
BK 1-12/5 08	2960.0	65–66	PBT 1200/5/5 08 GN	11357.1	66	PMC BSTR 5/36 FS 361-396 WH	9057.7	107
BK 13-24/5 08	2961.0	65–66	PBT 1200/6/5 08 GN	11358.1	66	PMC BSTR 5/36 FS 37–48 WH	9040.7	107
BLS-STL GN	13284.1	65	PBT 1200/7/5 08 GN	11359.1	66	PMC BSTR 5/36 FS 37-72 WH	9048.7	107
BS M 5x8/IS	2415.0	92–93	PBT 1200/8/5 08 GN	11360.1	66	PMC BSTR 5/36 FS 397–432 WH	9058.7	107
BS M 6x12/IS	2304.0	92–93	PBT 1200/9/5 08 GN	11361.1	66	PMC BSTR 5/36 FS 433–468 WH	9059.7	107
BW 1 (ZRK)	3778.0	84	PBT 1200/10/5 08 GN	11362.1	66	PMC BSTR 5/36 FS 469-504 WH	9060.7	107
BW 10 (ZRK)	3806.0	66	PKB 1100/10/5 08 GN	11313.1	65	PMC BSTR 5/36 FS 49-60 WH	9041.7	107
		85	PKB 1100/2/5 08 GN	11305.1	65	PMC BSTR 5/36 FS 505-540 WH	9061.7	107
BW 2 (ZRK)	3779.0	66	PKB 1100/3/5 08 GN	11306.1	65	PMC BSTR 5/36 FS 541-576 WH	9062.7	107
		84	PKB 1100/4/5 08 GN	11307.1	65	PMC BSTR 5/36 FS 577-612 WH	9063.7	107
BW 3 (ZRK)	3780.0	66	PKB 1100/5/5 08 GN	11308.1	65	PMC BSTR 5/36 FS 61-72 WH	9042.7	107
		84	PKB 1100/6/5 08 GN	11309.1	65	PMC BSTR 5/36 FS 613-648 WH	9064.7	107
BW 4 (ZRK)	3781.0	66	PKB 1100/7/5 08 GN	11310.1	65	PMC BSTR 5/36 FS 73-108 WH	9049.7	107
		84	PKB 1100/8/5 08 GN	11311.1	65	PMC BSTR 5/36 FS 73-84 WH	9043.7	107
BW 5 (ZRK)	3782.0	66	PKB 1100/9/5 08 GN	11312.1	65	PMC BSTR 5/36 FS 73-84 WH	9043.7	107
		84	PKB 1110/10/5 08 GN	11347.1	66	PMC BSTR 5/36 FS 85-96 WH	9044.7	107
BW 6 (ZRK)	3802.0	66	PKB 1110/2/5 08 GN	11339.1	66	PMC BSTR 5/36 FS 97-108 WH	9045.7	107
BW 7 (ZRK)	3803.0	66	PKB 1110/3/5 08 GN	11340.1	66	PMC BSTR 5/36 FS L1 L2 L3 N PE WH	9065.7	107
BW 8 (ZRK)	3804.0	66	PKB 1110/4/5 08 GN	11341.1	66	PMC BSTR 5/36 FS U1 V1 W1 WH	9067.7	107
BW 9 (ZRK)	3805.0	66	PKB 1110/5/5 08 GN	11342.1	66	PMC BSTR 5/36 FS U1 V1 W1 N	9066.7	107
BWMA 1 (0.5 x 2.5 mm)	3841.0	84	PKB 1110/6/5 08 GN	11343.1	66	PE WH		
BWMA 1 (0.5 x 3.5 mm)	3808.0	12–17	PKB 1110/7/5 08 GN	11344.1	66	PMC BSTR 5/36 FS U2 V2 W2 WH	9069.7	107
		24–27	PKB 1110/8/5 08 GN	11345.1	66	PMC BSTR 5/36 FS U2 V2 W2 N	9068.7	107
		30	PKB 1110/9/5 08 GN	11346.1	66	PE WH		
		31	PKB 950/10/5 08 GN	11238.1	65	PMC BSTR 5/36 FS X1-X12 WH	9070.7	107
		34–38	PKB 950/2/5 08 GN	11230.1	65	PMC BSTR 5/36 FW 1-12 WH	9002.7	107
		44–49	PKB 950/3/5 08 GN	11231.1	65	PMC BSTR 5/36 FW 1-36 WH	9012.7	107
		51	PKB 950/4/5 08 GN	11232.1	65	PMC BSTR 5/36 FW 109-120 WH	9011.7	107
		62–63	PKB 950/5/5 08 GN	11233.1	65	PMC BSTR 5/36 FW 109-144 WH	9015.7	107
		84	PKB 950/6/5 08 GN	11234.1	65	PMC BSTR 5/36 FW 13-24 WH	9003.7	107
E			PKB 950/7/5 08 GN	11235.1	65	PMC BSTR 5/36 FW 145-180 WH	9016.7	107
ES 15 BG	2074.2	95	PKB 950/8/5 08 GN	11236.1	65	PMC BSTR 5/36 FW 181-216 WH	9017.7	107
ES 32 BG	2004.2	94	PKB 950/9/5 08 GN	11237.1	65	PMC BSTR 5/36 FW 217-252 WH	9018.7	107
ES 32/2/K BG	2825.2	94	PMC BSTR 10x12/10 FS 1-10 WH	9446.7	110	PMC BSTR 5/36 FW 25-36 WH	9004.7	107
ES 32/35 BG	1424.2	95	PMC BSTR 10x12/10 FS 1-100 WH	9454.7	110	PMC BSTR 5/36 FW 253-288 WH	9019.7	107
ES 32/K/ST BG	2827.0	94	PMC BSTR 10x12/10 FS 1–40 WH	9451.7	110	PMC BSTR 5/36 FW 289-324 WH	9020.7	107
ES 35 BG	2005.2	94	PMC BSTR 10x12/10 FS 11-20 WH	9447.7	110	PMC BSTR 5/36 FW 325-360 WH	9021.7	107
ES 35/2/K BG	2826.2	94	PMC BSTR 10x12/10 FS 21-30 WH	9448.7	110	PMC BSTR 5/36 FW 361-396 WH	9022.7	107
ES 35/K/ST BG	2828.0	94	PMC BSTR 10x12/10 FS 31–40 WH	9449.7	110	PMC BSTR 5/36 FW 37–48 WH	9005.7	107
ESO	2584.0	96	PMC BSTR 10x12/10 FS 41-50 WH	9450.7	110	PMC BSTR 5/36 FW 37-72 WH	9013.7	107
		97	PMC BSTR 10x12/10 FS 41-80 WH	9452.7	110	PMC BSTR 5/36 FW 397–432 WH	9023.7	107
ESO 2	2877.0	97	PMC BSTR 10x12/10 FS 81-120 WH	9453.7	110	PMC BSTR 5/36 FW 433–468 WH	9024.7	107
ESO 3	2585.0	97	PMC BSTR 10x12/10 FS L1 L2 L3 N PE WH	9455.7	110	PMC BSTR 5/36 FW 469-504 WH	9025.7	107
ESO GT 1	2580.0	97	PMC BSTR 10x12/10 FW 1-10 WH	9436.7	110	PMC BSTR 5/36 FW 49-60 WH	9006.7	107
ESO GT 2	2581.0	97	PMC BSTR 10x12/10 FW 1-100 WH	9444.7	110	PMC BSTR 5/36 FW 505-540 WH	9026.7	107
G			PMC BSTR 10x12/10 FW 1–40 WH	9441.7	110	PMC BSTR 5/36 FW 541-576 WH	9027.7	107
GKE 30/6 WH	3917.7	96–97	PMC BSTR 10x12/10 FW 11-20 WH	9437.7	110	PMC BSTR 5/36 FW 577-612 WH	9028.7	107
GT 1	3783.2	97	PMC BSTR 10x12/10 FW 21-30 WH	9438.7	110	PMC BSTR 5/36 FW 61-72 WH	9007.7	107
GT 2	3784.2	97	PMC BSTR 10x12/10 FW 31–40 WH	9439.7	110	PMC BSTR 5/36 FW 613-648 WH	9029.7	107
H			PMC BSTR 10x12/10 FW 41-50 WH	9440.7	110	PMC BSTR 5/36 FW 649-684 WH	9030.7	107
HES 35/ST	2761.0	95	PMC BSTR 10x12/10 FW 41-80 WH	9442.7	110	PMC BSTR 5/36 FW 73-108 WH	9014.7	107
I			PMC BSTR 10x12/10 FW 81-120 WH	9443.7	110	PMC BSTR 5/36 FW 73-84 WH	9008.7	107
ISKS 5	2818.0	101	PMC BSTR 10x12/10 FW L1 L2 L3 N PE WH	9445.7	110	PMC BSTR 5/36 FW 85-96 WH	9009.7	107
ISKS 6	2772.0	101	PMC BSTR 10x12/10 So WH	9434.7	110	PMC BSTR 5/36 FW 97-108 WH	9010.7	107
ISKS 8	2773.0	101	PMC BSTR 10x12/10 WH	9433.7	110	PMC BSTR 5/36 FW L1 L2 L3 N PE WH	9031.7	107
			PMC BSTR 5/36 FS 1-12 WH	9037.7	107	PMC BSTR 5/36 FW U1 V1 W1 WH	9033.7	107
			PMC BSTR 5/36 FS 1-36 WH	9047.7	107	PMC BSTR 5/36 FW U1 V1 W1 N	9032.7	107
			PMC BSTR 5/36 FS 109-120 WH	9046.7	107	PE WH		
						PMC BSTR 5/36 FW U2 V2 W2 WH	9035.7	107
						PMC BSTR 5/36 FW U2 V2 W2 N	9034.7	107
						PE WH		
						PMC BSTR 5/36 FW X1-X12 WH	9036.7	107
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PMC BSTR 5/36 GS 2 WH	9090.7	107	PMC BSTR 6/30 FW 151-180 WH	9123.7	108	PMC BSTR 8x12/21 FS 43-63 WH	9425.7	109
PMC BSTR 5/36 GS 3 WH	9091.7	107	PMC BSTR 6/30 FW 181-210 WH	9124.7	108	PMC BSTR 8x12/21 FS 43-84 WH	9429.7	109
PMC BSTR 5/36 GS 4 WH	9092.7	107	PMC BSTR 6/30 FW 21-30 WH	9110.7	108	PMC BSTR 8x12/21 FS 64-84 WH	9426.7	109
PMC BSTR 5/36 GS 5 WH	9093.7	107	PMC BSTR 6/30 FW 211-240 WH	9125.7	108	PMC BSTR 8x12/21 FS 84-105 WH	9427.7	109
PMC BSTR 5/36 GS 6 WH	9094.7	107	PMC BSTR 6/30 FW 241-270 WH	9126.7	108	PMC BSTR 8x12/21 FS L1 L2 L3 N	9432.7	109
PMC BSTR 5/36 GS 7 WH	9095.7	107	PMC BSTR 6/30 FW 271-300 WH	9127.7	108	PE WH		
PMC BSTR 5/36 GS 8 WH	9096.7	107	PMC BSTR 6/30 FW 301-330 WH	9128.7	108	PMC BSTR 8x12/21 FW 1-105 WH	9420.7	109
PMC BSTR 5/36 GS 9 WH	9097.7	107	PMC BSTR 6/30 FW 31-40 WH	9111.7	108	PMC BSTR 8x12/21 FW 1-21 WH	9413.7	109
PMC BSTR 5/36 GS L1 WH	9101.7	107	PMC BSTR 6/30 FW 31-60 WH	9119.7	108	PMC BSTR 8x12/21 FW 1-42 WH	9418.7	109
PMC BSTR 5/36 GS L2 WH	9102.7	107	PMC BSTR 6/30 FW 331-360 WH	9129.7	108	PMC BSTR 8x12/21 FW 106-210 WH	9421.7	109
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PMC BSTR 5/36 GS PE WH	9100.7	107	PMC BSTR 6/30 FW 41-50 WH	9112.7	108	PMC BSTR 8x12/21 FW 43-84 WH	9419.7	109
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PMC BSTR 5/36 GW - WH	9088.7	107	PMC BSTR 6/30 FW 451-480 WH	9133.7	108	PMC BSTR 8x12/21 FW 85-105 WH	9417.7	109
PMC BSTR 5/36 GW + WH	9087.7	107	PMC BSTR 6/30 FW 481-510 WH	9134.7	108	PMC BSTR 8x12/21 FW L1 L2 L3 N	9422.7	109
PMC BSTR 5/36 GW 0 WH	9080.7	107	PMC BSTR 6/30 FW 51-60 WH	9113.7	108	PE WH		
PMC BSTR 5/36 GW 1 WH	9071.7	107	PMC BSTR 6/30 FW 511-540 WH	9135.7	108	PMC BSTR 8x12/21 So WH	9411.7	109
PMC BSTR 5/36 GW 2 WH	9072.7	107	PMC BSTR 6/30 FW 541-570 WH	9136.7	108	PMC BSTR 8x12/21 WH	9410.7	109
PMC BSTR 5/36 GW 3 WH	9073.7	107	PMC BSTR 6/30 FW 61-70 WH	9114.7	108	PMC SB 4/50 FS 1-10 WH	4859.7	102
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PMC BSTR 5/36 GW 5 WH	9075.7	107	PMC BSTR 6/30 FW 71-80 WH	9115.7	108	PMC SB 4/50 FS 1 3 5-19 WH	4893.7	102
PMC BSTR 5/36 GW 6 WH	9076.7	107	PMC BSTR 6/30 FW 81-90 WH	9116.7	108	PMC SB 4/50 FS 101-150 WH	4871.7	102
PMC BSTR 5/36 GW 7 WH	9077.7	107	PMC BSTR 6/30 FW 91-100 WH	9117.7	108	PMC SB 4/50 FS 11-20 WH	4860.7	102
PMC BSTR 5/36 GW 8 WH	9078.7	107	PMC BSTR 6/30 FW 91-120 WH	9121.7	108	PMC SB 4/50 FS 151-200 WH	4872.7	102
PMC BSTR 5/36 GW 9 WH	9079.7	107	PMC BSTR 6/30 FW L1 L2 L3 N PE WH	9137.7	108	PMC SB 4/50 FS 2 4 6-20 WH	4894.7	102
PMC BSTR 5/36 GW L1 WH	9083.7	107	PMC BSTR 6/30 FW U1 V1 W1 WH	9139.7	108	PMC SB 4/50 FS 201-250 WH	4873.7	102
PMC BSTR 5/36 GW L2 WH	9084.7	107	PMC BSTR 6/30 FW U1 V1 W1 N	9138.7	108	PMC SB 4/50 FS 21-30 WH	4861.7	102
PMC BSTR 5/36 GW L3 WH	9085.7	107	PE WH			PMC SB 4/50 FS 251-300 WH	4874.7	102
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PMC BSTR 5/36 GW PE WH	9082.7	107	PMC BSTR 6/30 FW U2 V2 W2 N	9140.7	108	PMC SB 4/50 FS 31-40 WH	4862.7	102
PMC BSTR 5/36 GW X WH	9081.7	107	PE WH			PMC SB 4/50 FS 351-400 WH	4876.7	102
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PMC BSTR 6/30 FS 11-20 WH	9144.7	108	PMC BSTR 6/30 GS 4 WH	9198.7	108	PMC SB 4/50 FS 551-600 WH	4880.7	102
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PMC BSTR 6/30 FS 181-210 WH	9159.7	108	PMC BSTR 6/30 GS 7 WH	9201.7	108	PMC SB 4/50 FS 651-700 WH	4882.7	102
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PMC BSTR 6/30 FS 31-60 WH	9154.7	108	PMC BSTR 6/30 GS PE WH	9206.7	108	PMC SB 4/50 FS 91-100 WH	4868.7	102
PMC BSTR 6/30 FS 331-360 WH	9164.7	108	PMC BSTR 6/30 GS X WH	9205.7	108	PMC SB 4/50 FS L1 L2 L3 N PE WH	4887.7	102
PMC BSTR 6/30 FS 361-390 WH	9165.7	108	PMC BSTR 6/30 GW - WH	9194.7	108	PMC SB 4/50 FS U1 V1 W1 WH	4889.7	102
PMC BSTR 6/30 FS 391-420 WH	9166.7	108	PMC BSTR 6/30 GW + WH	9193.7	108	PMC SB 4/50 FS U1 V1 W1 N PE WH	4888.7	102
PMC BSTR 6/30 FS 41-50 WH	9147.7	108	PMC BSTR 6/30 GW 0 WH	9186.7	108	PMC SB 4/50 FS U2 V2 W2 WH	4891.7	102
PMC BSTR 6/30 FS 421-450 WH	9167.7	108	PMC BSTR 6/30 GW 1 WH	9177.7	108	PMC SB 4/50 FS U2 V2 W2 N PE WH	4890.7	102
PMC BSTR 6/30 FS 451-480 WH	9168.7	108	PMC BSTR 6/30 GW 2 WH	9178.7	108	PMC SB 4/50 FS X1-X10 WH	4892.7	102
PMC BSTR 6/30 FS 481-510 WH	9169.7	108	PMC BSTR 6/30 GW 3 WH	9179.7	108	PMC SB 4/50 FW 1-10 WH	4822.7	102
PMC BSTR 6/30 FS 51-60 WH	9148.7	108	PMC BSTR 6/30 GW 4 WH	9180.7	108	PMC SB 4/50 FW 1-50 WH	4832.7	102
PMC BSTR 6/30 FS 511-540 WH	9170.7	108	PMC BSTR 6/30 GW 5 WH	9181.7	108	PMC SB 4/50 FW 1 3 5-19 WH	4857.7	102
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PMC BSTR 6/30 FS 61-90 WH	9155.7	108	PMC BSTR 6/30 GW 7 WH	9183.7	108	PMC SB 4/50 FW 11-20 WH	4823.7	102
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PMC BSTR 6/30 FS 81-90 WH	9151.7	108	PMC BSTR 6/30 GW 9 WH	9185.7	108	PMC SB 4/50 FW 2 4 6-20 WH	4858.7	102
PMC BSTR 6/30 FS 91-100 WH	9152.7	108	PMC BSTR 6/30 GW L1 WH	9189.7	108	PMC SB 4/50 FW 201-250 WH	4836.7	102
PMC BSTR 6/30 FS 91-120 WH	9156.7	108	PMC BSTR 6/30 GW L2 WH	9190.7	108	PMC SB 4/50 FW 21-30 WH	4824.7	102
PMC BSTR 6/30 FS L1 L2 L3 N PE WH	9171.7	108	PMC BSTR 6/30 GW L3 WH	9191.7	108	PMC SB 4/50 FW 251-300 WH	4837.7	102
PMC BSTR 6/30 FS U1 V1 W1 WH	9173.7	108	PMC BSTR 6/30 GW N WH	9192.7	108	PMC SB 4/50 FW 301-350 WH	4838.7	102
PMC BSTR 6/30 FS U1 V1 W1 N	9172.7	108	PMC BSTR 6/30 GW PE WH	9188.7	108	PMC SB 4/50 FW 31-40 WH	4825.7	102
PE WH			PMC BSTR 6/30 GW X WH	9187.7	108	PMC SB 4/50 FW 351-400 WH	4839.7	102
PMC BSTR 6/30 FS U2 V2 W2 WH	9175.7	108	PMC BSTR 6/30 So WH	9107.7	108	PMC SB 4/50 FW 401-450 WH	4840.7	102
PMC BSTR 6/30 FS U2 V2 W2 N	9174.7	108	PMC BSTR 6/30 WH	9106.7	99	PMC SB 4/50 FW 41-50 WH	4826.7	102
PE WH						PMC SB 4/50 FW 451-500 WH	4841.7	102
PMC BSTR 6/30 FS X1-X10 WH	9176.7	108	PMC BSTR 8x12/21 FS 1-105 WH	9430.7	109	PMC SB 4/50 FW 501-550 WH	4842.7	102
PMC BSTR 6/30 FW 1-10 WH	9108.7	108	PMC BSTR 8x12/21 FS 1-21 WH	9423.7	109	PMC SB 4/50 FW 51-100 WH	4833.7	102
PMC BSTR 6/30 FW 1-30 WH	9118.7	108	PMC BSTR 8x12/21 FS 1-42 WH	9428.7	109	PMC SB 4/50 FW 51-60 WH	4827.7	102
PMC BSTR 6/30 FW 11-20 WH	9109.7	108	PMC BSTR 8x12/21 FS 106-210 WH	9431.7	109	PMC SB 4/50 FW 551-600 WH	4843.7	102

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PMC SB 4/50 FW 651-700 WH	4845.7	102	PMC SB 5/50 FS 701-750 WH	4660.7	103	PMC SB 5/50 GW 9 WH	4678.7	103
PMC SB 4/50 FW 701-750 WH	4846.7	102	PMC SB 5/50 FS 71-80 WH	4643.7	103	PMC SB 5/50 GW L1 WH	4682.7	103
PMC SB 4/50 FW 71-80 WH	4829.7	102	PMC SB 5/50 FS 751-800 WH	4661.7	103	PMC SB 5/50 GW L2 WH	4683.7	103
PMC SB 4/50 FW 751-800 WH	4847.7	102	PMC SB 5/50 FS 801-850 WH	4662.7	103	PMC SB 5/50 GW L3 WH	4684.7	103
PMC SB 4/50 FW 801-850 WH	4848.7	102	PMC SB 5/50 FS 81-90 WH	4644.7	103	PMC SB 5/50 GW N WH	4685.7	103
PMC SB 4/50 FW 81-90 WH	4830.7	102	PMC SB 5/50 FS 851-900 WH	4663.7	103	PMC SB 5/50 GW PE WH	4681.7	103
PMC SB 4/50 FW 851-900 WH	4849.7	102	PMC SB 5/50 FS 91-100 WH	4645.7	103	PMC SB 5/50 GW X WH	4680.7	103
PMC SB 4/50 FW 901-950 WH	4850.7	102	PMC SB 5/50 FS L1 L2 L3 N PE WH	4664.7	103	PMC SB 5/50 So WH	4819.7	103
PMC SB 4/50 FW 91-100 WH	4831.7	102	PMC SB 5/50 FS U1 V1 W1 WH	4666.7	103	PMC SB 5/50 WH	4600.7	12-17
PMC SB 4/50 FW L1 L2 L3 N PE WH	4851.7	102	PMC SB 5/50 FS U1 V1 W1 N PE WH	4665.7	103			24-27
PMC SB 4/50 FW U1 V1 W1 WH	4853.7	102	PMC SB 5/50 FS U2 V2 W2 WH	4668.7	103			30-31
PMC SB 4/50 FW U1 V1 W1 N PE WH	4852.7	102	PMC SB 5/50 FS U2 V2 W2 N PE WH	4667.7	103			34-39
PMC SB 4/50 FW U2 V2 W2 WH	4855.7	102	PMC SB 5/50 FS X1-X10 WH	4669.7	103			44-49
PMC SB 4/50 FW U2 V2 W2 N PE WH	4854.7	102	PMC SB 5/50 FW 1-10 WH	4601.7	103			51
PMC SB 4/50 FW X1-X10 WH	4856.7	102	PMC SB 5/50 FW 1-50 WH	4611.7	103			56-58
PMC SB 4/50 GS - WH	4945.7	102	PMC SB 5/50 FW 1 3 5-19 WH	4818.7	103			62-63
PMC SB 4/50 GS 0 WH	4938.7	102	PMC SB 5/50 FW 101-150 WH	4613.7	103			78-79
PMC SB 4/50 GS 1 WH	4929.7	102	PMC SB 5/50 FW 11-20 WH	4602.7	103			80-83
PMC SB 4/50 GS 2 WH	4930.7	102	PMC SB 5/50 FW 151-200 WH	4614.7	103			96-97
PMC SB 4/50 GS 3 WH	4931.7	102	PMC SB 5/50 FW 2 4 6-20 WH	4817.7	103	PMC SB 6/50 FS 1-10 WH	4738.7	104
PMC SB 4/50 GS 4 WH	4932.7	102	PMC SB 5/50 FW 201-250 WH	4615.7	103	PMC SB 6/50 FS 1-50 WH	4748.7	105
PMC SB 4/50 GS 5 WH	4933.7	102	PMC SB 5/50 FW 21-30 WH	4603.7	103	PMC SB 6/50 FS 1 3 5-19 WH	4808.7	105
PMC SB 4/50 GS 6 WH	4934.7	102	PMC SB 5/50 FW 251-300 WH	4616.7	103	PMC SB 6/50 FS 101-110 WH	9262.7	104
PMC SB 4/50 GS 7 WH	4935.7	102	PMC SB 5/50 FW 301-350 WH	4617.7	103	PMC SB 6/50 FS 101-150 WH	4750.7	105
PMC SB 4/50 GS 8 WH	4936.7	102	PMC SB 5/50 FW 31-40 WH	4604.7	103	PMC SB 6/50 FS 11-20 WH	4739.7	104
PMC SB 4/50 GS 9 WH	4937.7	102	PMC SB 5/50 FW 351-400 WH	4618.7	103	PMC SB 6/50 FS 111-120 WH	9263.7	104
PMC SB 4/50 GS L1 WH	4941.7	102	PMC SB 5/50 FW 401-450 WH	4619.7	103	PMC SB 6/50 FS 121-130 WH	9264.7	104
PMC SB 4/50 GS L2 WH	4942.7	102	PMC SB 5/50 FW 41-50 WH	4605.7	103	PMC SB 6/50 FS 131-140 WH	9265.7	104
PMC SB 4/50 GS L3 WH	4943.7	102	PMC SB 5/50 FW 451-500 WH	4620.7	103	PMC SB 6/50 FS 141-150 WH	9266.7	104
PMC SB 4/50 GS N WH	4944.7	102	PMC SB 5/50 FW 501-550 WH	4621.7	103	PMC SB 6/50 FS 151-160 WH	9267.7	104
PMC SB 4/50 GS PE WH	4940.7	102	PMC SB 5/50 FW 51-100 WH	4612.7	103	PMC SB 6/50 FS 151-200 WH	4751.7	105
PMC SB 4/50 GS X WH	4939.7	102	PMC SB 5/50 FW 51-60 WH	4606.7	103	PMC SB 6/50 FS 161-170 WH	9268.7	104
PMC SB 4/50 GW - WH	4928.7	102	PMC SB 5/50 FW 551-600 WH	4622.7	103	PMC SB 6/50 FS 171-180 WH	9269.7	104
PMC SB 4/50 GW + WH	4927.7	102	PMC SB 5/50 FW 601-650 WH	4623.7	103	PMC SB 6/50 FS 181-190 WH	9270.7	104
PMC SB 4/50 GW 0 WH	4920.7	102	PMC SB 5/50 FW 61-70 WH	4607.7	103	PMC SB 6/50 FS 191-200 WH	9271.7	104
PMC SB 4/50 GW 1 WH	4895.7	102	PMC SB 5/50 FW 651-700 WH	4624.7	103	PMC SB 6/50 FS 2 4 6-20 WH	4807.7	105
PMC SB 4/50 GW 2 WH	4896.7	102	PMC SB 5/50 FW 701-750 WH	4625.7	103	PMC SB 6/50 FS 201-210 WH	9272.7	104
PMC SB 4/50 GW 3 WH	4897.7	102	PMC SB 5/50 FW 71-80 WH	4608.7	103	PMC SB 6/50 FS 201-250 WH	4752.7	105
PMC SB 4/50 GW 4 WH	4898.7	102	PMC SB 5/50 FW 751-800 WH	4626.7	103	PMC SB 6/50 FS 21-30 WH	4740.7	104
PMC SB 4/50 GW 5 WH	4899.7	102	PMC SB 5/50 FW 801-850 WH	4627.7	103	PMC SB 6/50 FS 211-220 WH	9273.7	104
PMC SB 4/50 GW 6 WH	4916.7	102	PMC SB 5/50 FW 81-90 WH	4609.7	103	PMC SB 6/50 FS 221-230 WH	9274.7	105
PMC SB 4/50 GW 7 WH	4917.7	102	PMC SB 5/50 FW 851-900 WH	4628.7	103	PMC SB 6/50 FS 231-240 WH	9275.7	105
PMC SB 4/50 GW 8 WH	4918.7	102	PMC SB 5/50 FW 901-950 WH	4629.7	103	PMC SB 6/50 FS 241-250 WH	9276.7	105
PMC SB 4/50 GW 9 WH	4919.7	102	PMC SB 5/50 FW 91-100 WH	4610.7	103	PMC SB 6/50 FS 251-260 WH	9277.7	105
PMC SB 4/50 GW L1 WH	4923.7	102	PMC SB 5/50 FW U1 V1 W1 WH	4632.7	103	PMC SB 6/50 FS 251-300 WH	4753.7	105
PMC SB 4/50 GW L2 WH	4924.7	102	PMC SB 5/50 FW U1 V1 W1 N PE WH	4631.7	103	PMC SB 6/50 FS 261-270 WH	9278.7	105
PMC SB 4/50 GW L3 WH	4925.7	102	PMC SB 5/50 FW U2 V2 W2 WH	4634.7	103	PMC SB 6/50 FS 271-280 WH	9279.7	105
PMC SB 4/50 GW N WH	4926.7	102	PMC SB 5/50 FW X1-X10 WH	4635.7	103	PMC SB 6/50 FS 281-290 WH	9280.7	105
PMC SB 4/50 GW PE WH	4922.7	102	PMC SB 5/50 GS 0 WH	4695.7	103	PMC SB 6/50 FS 291-300 WH	9281.7	105
PMC SB 4/50 GW X WH	4921.7	102	PMC SB 5/50 GS 1 WH	4686.7	103	PMC SB 6/50 FS 301-350 WH	4754.7	105
PMC SB 4/50 So WH	4821.7	102	PMC SB 5/50 GS 2 WH	4687.7	103	PMC SB 6/50 FS 31-40 WH	4741.7	104
PMC SB 4/50 WH	4820.7	102	PMC SB 5/50 GS 3 WH	4688.7	103	PMC SB 6/50 FS 351-400 WH	4755.7	105
PMC SB 5/50 FS 1-10 WH	4636.7	103	PMC SB 5/50 GS 4 WH	4689.7	103	PMC SB 6/50 FS 401-450 WH	4756.7	105
PMC SB 5/50 FS 1-50 WH	4646.7	103	PMC SB 5/50 GS 5 WH	4690.7	103	PMC SB 6/50 FS 41-50 WH	4742.7	104
PMC SB 5/50 FS 1 3 5-19 WH	4816.7	103	PMC SB 5/50 GS 6 WH	4691.7	103	PMC SB 6/50 FS 451-500 WH	4757.7	105
PMC SB 5/50 FS 101-150 WH	4648.7	103	PMC SB 5/50 GS 7 WH	4692.7	103	PMC SB 6/50 FS 501-550 WH	4758.7	105
PMC SB 5/50 FS 11-20 WH	4637.7	103	PMC SB 5/50 GS 8 WH	4693.7	103	PMC SB 6/50 FS 51-100 WH	4749.7	105
PMC SB 5/50 FS 151-200 WH	4649.7	103	PMC SB 5/50 GS 9 WH	4694.7	103	PMC SB 6/50 FS 51-60 WH	4743.7	104
PMC SB 5/50 FS 2 4 6-20 WH	4815.7	103	PMC SB 5/50 GS L1 WH	4698.7	103	PMC SB 6/50 FS 551-600 WH	4759.7	105
PMC SB 5/50 FS 201-250 WH	4650.7	103	PMC SB 5/50 GS L2 WH	4699.7	103	PMC SB 6/50 FS 601-650 WH	4760.7	105
PMC SB 5/50 FS 21-30 WH	4638.7	103	PMC SB 5/50 GS L3 WH	4700.7	103	PMC SB 6/50 FS 61-70 WH	4744.7	104
PMC SB 5/50 FS 251-300 WH	4651.7	103	PMC SB 5/50 GS N WH	4701.7	103	PMC SB 6/50 FS 651-700 WH	4761.7	105
PMC SB 5/50 FS 301-350 WH	4652.7	103	PMC SB 5/50 GS PE WH	4697.7	103	PMC SB 6/50 FS 701-750 WH	4762.7	105
PMC SB 5/50 FS 31-40 WH	4639.7	103	PMC SB 5/50 GS X WH	4696.7	103	PMC SB 6/50 FS 71-80 WH	4745.7	104
PMC SB 5/50 FS 351-400 WH	4653.7	103	PMC SB 5/50 GW - WH	4813.7	103	PMC SB 6/50 FS 751-800 WH	4763.7	105
PMC SB 5/50 FS 401-450 WH	4654.7	103	PMC SB 5/50 GW + WH	4814.7	103	PMC SB 6/50 FS 801-850 WH	4764.7	105
PMC SB 5/50 FS 41-50 WH	4640.7	103	PMC SB 5/50 GW 0 WH	4679.7	103	PMC SB 6/50 FS 81-90 WH	4746.7	104
PMC SB 5/50 FS 451-500 WH	4655.7	103	PMC SB 5/50 GW 1 WH	4670.7	103	PMC SB 6/50 FS 851-900 WH	4765.7	105
PMC SB 5/50 FS 501-550 WH	4656.7	103	PMC SB 5/50 GW 2 WH	4671.7	103	PMC SB 6/50 FS 91-100 WH	4747.7	104
PMC SB 5/50 FS 51-100 WH	4647.7	103	PMC SB 5/50 GW 3 WH	4672.7	103	PMC SB 6/50 FS L1 L2 L3 N PE WH	4766.7	105
PMC SB 5/50 FS 51-60 WH	4641.7	103	PMC SB 5/50 GW 4 WH	4673.7	103	PMC SB 6/50 FS U1 V1 W1 WH	4768.7	105
PMC SB 5/50 FS 551-600 WH	4657.7	103	PMC SB 5/50 GW 5 WH	4674.7	103	PMC SB 6/50 FS U1 V1 W1 N PE WH	4767.7	105
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PMC SB 6/50 FW 1 3 5-19 WH	4810.7	104	PMC SB 6/50 FW 91-100 WH	4712.7	103-104	PMC SB 8/40 FW 49-56 WH	9305.7	106
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PMC SB 6/50 FW 11-20 WH	4704.7	104	PMC SB 6/50 FW U1 V1 W1 N PE WH	4733.7	104	PMC SB 8/40 FW 73-80 WH	9300.7	106
PMC SB 6/50 FW 111-120 WH	9213.7	104	PMC SB 6/50 FW U2 V2 W2 WH	4736.7	104	PMC SB 8/40 FW 81-120 WH	9291.7	106
PMC SB 6/50 FW 121-130 WH	9214.7	104	PMC SB 6/50 FW U2 V2 W2 N PE WH	4735.7	104	PMC SB 8/40 FW 81-88 WH	9301.7	106
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PMC SB 6/50 FW 551-600 WH	4724.7	104	PMC SB 8/40 FS 81-120 WH	9288.7	106	SB 5/10 FS X6;Y6;Z6 WH	2472.0006	112
PMC SB 6/50 FW 561-570 WH	9258.7	104	PMC SB 8/40 FS 81-88 WH	9317.7	106	SB 5/10 FS X7;Y7;Z7 WH	2472.0007	112
PMC SB 6/50 FW 571-580 WH	9259.7	104	PMC SB 8/40 FS 89-96 WH	9318.7	106	SB 5/10 FS X8;Y8;Z8 WH	2472.0008	112
PMC SB 6/50 FW 581-590 WH	9260.7	104	PMC SB 8/40 FS 9-16 WH	9308.7	106	SB 5/10 FS X9;Y9;Z9 WH	2472.0009	112
PMC SB 6/50 FW 591-600 WH	9261.7	104	PMC SB 8/40 FS 97-104 WH	9319.7	106	SB 5/10 FW 1-10 WH	2431.0001	112
PMC SB 6/50 FW 601-650 WH	4725.7	104	PMC SB 8/40 FW 1-40 WH	9289.7	106	SB 5/10 FW 11-20 WH	2431.0002	112
PMC SB 6/50 FW 61-70 WH	4709.7	104	PMC SB 8/40 FW 1-8 WH	9292.7	106	SB 5/10 FW 21-30 WH	2431.0003	112
PMC SB 6/50 FW 651-700 WH	4726.7	104	PMC SB 8/40 FW 105-112 WH	9304.7	106	SB 5/10 FW 31-40 WH	2431.0004	112
PMC SB 6/50 FW 701-750 WH	4727.7	104	PMC SB 8/40 FW 113-120 WH	9306.7	106	SB 5/10 FW 41-50 WH	2431.0005	112
PMC SB 6/50 FW 71-80 WH	4710.7	104	PMC SB 8/40 FW 17-24 WH	9294.7	106	SB 5/10 FW 51-60 WH	2431.0006	112
PMC SB 6/50 FW 751-800 WH	4728.7	104	PMC SB 8/40 FW 25-32 WH	9295.7	106	SB 5/10 FW 61-70 WH	2431.0007	112
PMC SB 6/50 FW 801-850 WH	4729.7	104	PMC SB 8/40 FW 33-40 WH	9296.7	106	SB 5/10 FW 71-80 WH	2431.0008	112
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SB 5/10 FW 91-100 WH	2431.0010	112	SB 5/10 GS 41 WH	2434.0041	113	SB 5/10 GS J WH	2475.0010	113
SB 5/10 FW L1;L2;L3;N;Earth with circle WH	2471.0004	112	SB 5/10 GS 42 WH	2434.0042	113	SB 5/10 GS K WH	2475.0011	113
SB 5/10 FW L1;L2;L3;N;PE WH	2471.0003	112	SB 5/10 GS 43 WH	2434.0043	113	SB 5/10 GS L WH	2475.0012	113
SB 5/10 FW R;S;T N;Earth with circle WH	2471.0002	112	SB 5/10 GS 44 WH	2434.0044	113	SB 5/10 GS M WH	2475.0013	113
SB 5/10 FW R1;S1;T1 WH	2404.0011	112	SB 5/10 GS 45 WH	2434.0045	113	SB 5/10 GS MP WH	2475.0029	113
SB 5/10 FW R10;S10;T10 WH	2404.0020	112	SB 5/10 GS 46 WH	2434.0046	113	SB 5/10 GS N WH	2475.0014	113
SB 5/10 FW R2;S2;T2 WH	2404.0012	112	SB 5/10 GS 47 WH	2434.0047	113	SB 5/10 GS O WH	2475.0015	113
SB 5/10 FW R3;S3;T3 WH	2404.0013	112	SB 5/10 GS 48 WH	2434.0048	113	SB 5/10 GS P WH	2475.0016	113
SB 5/10 FW R4;S4;T4 WH	2404.0014	112	SB 5/10 GS 49 WH	2434.0049	113	SB 5/10 GS PE WH	2475.0027	113
SB 5/10 FW R5;S5;T5 WH	2404.0015	112	SB 5/10 GS 5 WH	2434.0005	113	SB 5/10 GS PEN WH	2475.0028	113
SB 5/10 FW R6;S6;T6 WH	2404.0016	112	SB 5/10 GS 50 WH	2434.0050	113	SB 5/10 GS Q WH	2475.0017	113
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SB 5/10 FW U;V;W;N;PE WH	2471.0001	112	SB 5/10 GS 54 WH	2434.0054	113	SB 5/10 GS T WH	2475.0020	113
SB 5/10 FW U1;V1;W1 WH	2404.0021	112	SB 5/10 GS 55 WH	2434.0055	113	SB 5/10 GS T1 WH	2475.0031	113
SB 5/10 FW U10;V10;W10 WH	2404.0030	112	SB 5/10 GS 56 WH	2434.0056	113	SB 5/10 GS T2 WH	2475.0032	113
SB 5/10 FW U2;V2;W2 WH	2404.0022	112	SB 5/10 GS 57 WH	2434.0057	113	SB 5/10 GS T3 WH	2475.0033	113
SB 5/10 FW U3;V3;W3 WH	2404.0023	112	SB 5/10 GS 58 WH	2434.0058	113	SB 5/10 GS U WH	2475.0021	113
SB 5/10 FW U4;V4;W4 WH	2404.0024	112	SB 5/10 GS 59 WH	2434.0059	113	SB 5/10 GS V WH	2475.0022	113
SB 5/10 FW U5;V5;W5 WH	2404.0025	112	SB 5/10 GS 6 WH	2434.0006	113	SB 5/10 GS W WH	2475.0023	113
SB 5/10 FW U6;V6;W6 WH	2404.0026	112	SB 5/10 GS 60 WH	2434.0060	113	SB 5/10 GS X WH	2475.0024	113
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SB 5/10 FW U9;V9;W9 WH	2404.0029	112	SB 5/10 GS 63 WH	2434.0063	113	SB 5/10 GW - WH	2474.0035	113
SB 5/10 FW X1;Y1;Z1 WH	2404.0001	112	SB 5/10 GS 64 WH	2434.0064	113	SB 5/10 GW + WH	2474.0034	113
SB 5/10 FW X10;Y10;Z10 WH	2404.0010	112	SB 5/10 GS 65 WH	2434.0065	113	SB 5/10 GW ~ WH	2474.0036	113
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SB 5/10 FW X4;Y4;Z4 WH	2404.0004	112	SB 5/10 GS 68 WH	2434.0068	113	SB 5/10 GW 100 WH	2432.0100	113
SB 5/10 FW X5;Y5;Z5 WH	2404.0005	112	SB 5/10 GS 69 WH	2434.0069	113	SB 5/10 GW 11 WH	2432.0011	112
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SB 5/10 GW 54 WH	2432.0054	113	SB 5/10 GW T WH	2474.0020	113	SB 6/10 FW R2;S2;T2 WH	2989.0012	114
SB 5/10 GW 55 WH	2432.0055	113	SB 5/10 GW T1 WH	2474.0031	113	SB 6/10 FW R3;S3;T3 WH	2989.0013	114
SB 5/10 GW 56 WH	2432.0056	113	SB 5/10 GW T2 WH	2474.0032	113	SB 6/10 FW R4;S4;T4 WH	2989.0014	114
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SB 5/10 GW 6 WH	2432.0006	112	SB 5/10 GW W WH	2474.0023	113	SB 6/10 FW R8;S8;T8 WH	2989.0018	114
SB 5/10 GW 60 WH	2432.0060	113	SB 5/10 GW X WH	2474.0024	113	SB 6/10 FW R9;S9;T9 WH	2989.0019	114
SB 5/10 GW 61 WH	2432.0061	113	SB 5/10 GW Y WH	2474.0025	113	SB 6/10 FW U;V;W;N;PE WH	2040.0001	114
SB 5/10 GW 62 WH	2432.0062	113	SB 5/10 GW Z WH	2474.0026	113	SB 6/10 FW U1;V1;W1 WH	2989.0021	114
SB 5/10 GW 63 WH	2432.0063	113	SB 5/10 So WH	2431.7	112	SB 6/10 FW U10;V10;W10 WH	2989.0030	114
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SB 5/10 GW 65 WH	2432.0065	113	SB 5/10 WH	2430.0	112	SB 6/10 FW U2;V2;W2 WH	2989.0022	114
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SB 5/10 GW 67 WH	2432.0067	113	SB 6/10 FS 11-20 WH	2037.0002	114	SB 6/10 FW U4;V4;W4 WH	2989.0024	114
SB 5/10 GW 68 WH	2432.0068	113	SB 6/10 FS 21-30 WH	2037.0003	114	SB 6/10 FW U5;V5;W5 WH	2989.0025	114
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SB 5/10 GW 70 WH	2432.0070	113	SB 6/10 FS 51-60 WH	2037.0006	114	SB 6/10 FW U8;V8;W8 WH	2989.0028	114
SB 5/10 GW 71 WH	2432.0071	113	SB 6/10 FS 61-70 WH	2037.0007	114	SB 6/10 FW U9;V9;W9 WH	2989.0029	114
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SB 5/10 GW 73 WH	2432.0073	113	SB 6/10 FS 81-90 WH	2037.0009	114	SB 6/10 FW X10;Y10;Z10 WH	2989.0010	114
SB 5/10 GW 74 WH	2432.0074	113	SB 6/10 FS 91-100 WH	2037.0010	114	SB 6/10 FW X2;Y2;Z2 WH	2989.0002	114
SB 5/10 GW 75 WH	2432.0075	113	SB 6/10 FS L1;L2;L3;N;Earth with circle WH	2149.0004	114	SB 6/10 FW X3;Y3;Z3 WH	2989.0003	114
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SB 5/10 GW 91 WH	2432.0091	113	SB 6/10 FS U4;V4;W4 WH	2990.0024	114	SB 6/10 GS 16 WH	2103.0016	115
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SB 5/10 GW 96 WH	2432.0096	113	SB 6/10 FS U9;V9;W9 WH	2990.0029	114	SB 6/10 GS 20 WH	2103.0020	115
SB 5/10 GW 97 WH	2432.0097	113	SB 6/10 FS X1;Y1;Z1 WH	2990.0001	114	SB 6/10 GS 21 WH	2103.0021	115
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SB 5/10 GW C WH	2474.0003	113	SB 6/10 FS X5;Y5;Z5 WH	2990.0005	114	SB 6/10 GS 26 WH	2103.0026	115
SB 5/10 GW D WH	2474.0004	113	SB 6/10 FS X6;Y6;Z6 WH	2990.0006	114	SB 6/10 GS 27 WH	2103.0027	115
SB 5/10 GW E WH	2474.0005	113	SB 6/10 FS X7;Y7;Z7 WH	2990.0007	114	SB 6/10 GS 28 WH	2103.0028	115
SB 5/10 GW Earth with circle WH	2474.0038	113	SB 6/10 FS X8;Y8;Z8 WH	2990.0008	114	SB 6/10 GS 29 WH	2103.0029	115
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SB 5/10 GW F WH	2474.0006	113	SB 6/10 FW 1-10 WH	2036.0001	114	SB 6/10 GS 30 WH	2103.0030	115
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SB 5/10 GW I WH	2474.0009	113	SB 6/10 FW 31-40 WH	2036.0004	114	SB 6/10 GS 33 WH	2103.0033	115
SB 5/10 GW J WH	2474.0010	113	SB 6/10 FW 41-50 WH	2036.0005	114	SB 6/10 GS 34 WH	2103.0034	115
SB 5/10 GW K WH	2474.0011	113	SB 6/10 FW 51-60 WH	2036.0006	114	SB 6/10 GS 35 WH	2103.0035	115
SB 5/10 GW L WH	2474.0012	113	SB 6/10 FW 61-70 WH	2036.0007	114	SB 6/10 GS 36 WH	2103.0036	115
SB 5/10 GW M WH	2474.0013	113	SB 6/10 FW 71-80 WH	2036.0008	114	SB 6/10 GS 37 WH	2103.0037	115
SB 5/10 GW MP WH	2474.0029	113	SB 6/10 FW 81-90 WH	2036.0009	114	SB 6/10 GS 38 WH	2103.0038	115
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SB 5/10 GW P WH	2474.0016	113	SB 6/10 FW L1;L2;L3;N;PE WH	2040.0003	114	SB 6/10 GS 40 WH	2103.0040	115
SB 5/10 GW PE WH	2474.0027	113				SB 6/10 GS 41 WH	2103.0041	115
SB 5/10 GW PEN WH	2474.0028	113				SB 6/10 GS 42 WH	2103.0042	115
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SB 6/10 GS 46 WH	2103.0046	115	SB 6/10 GS N WH	2161.0014	115	SB 6/10 GW 57 WH	2102.0057	115
SB 6/10 GS 47 WH	2103.0047	115	SB 6/10 GS O WH	2161.0015	115	SB 6/10 GW 58 WH	2102.0058	115
SB 6/10 GS 48 WH	2103.0048	115	SB 6/10 GS P WH	2161.0016	115	SB 6/10 GW 59 WH	2102.0059	115
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SB 6/10 GS 5 WH	2103.0005	115	SB 6/10 GS PEN WH	2161.0028	115	SB 6/10 GW 60 WH	2102.0060	115
SB 6/10 GS 50 WH	2103.0050	115	SB 6/10 GS Q WH	2161.0017	115	SB 6/10 GW 61 WH	2102.0061	115
SB 6/10 GS 51 WH	2103.0051	115	SB 6/10 GS R WH	2161.0018	115	SB 6/10 GW 62 WH	2102.0062	115
SB 6/10 GS 52 WH	2103.0052	115	SB 6/10 GS S WH	2161.0019	115	SB 6/10 GW 63 WH	2102.0063	115
SB 6/10 GS 53 WH	2103.0053	115	SB 6/10 GS SL WH	2161.0030	115	SB 6/10 GW 64 WH	2102.0064	115
SB 6/10 GS 54 WH	2103.0054	115	SB 6/10 GS T WH	2161.0020	115	SB 6/10 GW 65 WH	2102.0065	115
SB 6/10 GS 55 WH	2103.0055	115	SB 6/10 GS T1 WH	2161.0031	115	SB 6/10 GW 66 WH	2102.0066	115
SB 6/10 GS 56 WH	2103.0056	115	SB 6/10 GS T2 WH	2161.0032	115	SB 6/10 GW 67 WH	2102.0067	115
SB 6/10 GS 57 WH	2103.0057	115	SB 6/10 GS T3 WH	2161.0033	115	SB 6/10 GW 68 WH	2102.0068	115
SB 6/10 GS 58 WH	2103.0058	115	SB 6/10 GS U WH	2161.0021	115	SB 6/10 GW 69 WH	2102.0069	115
SB 6/10 GS 59 WH	2103.0059	115	SB 6/10 GS V WH	2161.0022	115	SB 6/10 GW 7 WH	2102.0007	114
SB 6/10 GS 6 WH	2103.0006	115	SB 6/10 GS W WH	2161.0023	115	SB 6/10 GW 70 WH	2102.0070	115
SB 6/10 GS 60 WH	2103.0060	115	SB 6/10 GS X WH	2161.0024	115	SB 6/10 GW 71 WH	2102.0071	115
SB 6/10 GS 61 WH	2103.0061	115	SB 6/10 GS Y WH	2161.0025	115	SB 6/10 GW 72 WH	2102.0072	115
SB 6/10 GS 62 WH	2103.0062	115	SB 6/10 GS Z WH	2161.0026	115	SB 6/10 GW 73 WH	2102.0073	115
SB 6/10 GS 63 WH	2103.0063	115	SB 6/10 GW - WH	2175.0002	115	SB 6/10 GW 74 WH	2102.0074	115
SB 6/10 GS 64 WH	2103.0064	115	SB 6/10 GW + WH	2175.0001	115	SB 6/10 GW 75 WH	2102.0075	115
SB 6/10 GS 65 WH	2103.0065	115	SB 6/10 GW ~ WH	2175.0003	115	SB 6/10 GW 76 WH	2102.0076	115
SB 6/10 GS 66 WH	2103.0066	115	SB 6/10 GW 1 WH	2102.0001	114	SB 6/10 GW 77 WH	2102.0077	115
SB 6/10 GS 67 WH	2103.0067	115	SB 6/10 GW 10 WH	2102.0010	114	SB 6/10 GW 78 WH	2102.0078	115
SB 6/10 GS 68 WH	2103.0068	115	SB 6/10 GW 100 WH	2102.0100	115	SB 6/10 GW 79 WH	2102.0079	115
SB 6/10 GS 69 WH	2103.0069	115	SB 6/10 GW 11 WH	2102.0011	114	SB 6/10 GW 8 WH	2102.0008	114
SB 6/10 GS 7 WH	2103.0007	115	SB 6/10 GW 12 WH	2102.0012	114	SB 6/10 GW 80 WH	2102.0080	115
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SB 6/10 GS 76 WH	2103.0076	115	SB 6/10 GW 19 WH	2102.0019	114	SB 6/10 GW 87 WH	2102.0087	115
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SB 6/10 GS 80 WH	2103.0080	115	SB 6/10 GW 23 WH	2102.0023	114	SB 6/10 GW 91 WH	2102.0091	115
SB 6/10 GS 81 WH	2103.0081	115	SB 6/10 GW 24 WH	2102.0024	114	SB 6/10 GW 92 WH	2102.0092	115
SB 6/10 GS 82 WH	2103.0082	115	SB 6/10 GW 25 WH	2102.0025	115	SB 6/10 GW 93 WH	2102.0093	115
SB 6/10 GS 83 WH	2103.0083	115	SB 6/10 GW 26 WH	2102.0026	115	SB 6/10 GW 94 WH	2102.0094	115
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SB 6/10 GS 87 WH	2103.0087	115	SB 6/10 GW 3 WH	2102.0003	114	SB 6/10 GW 98 WH	2102.0098	115
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SB 6/10 GS 90 WH	2103.0090	115	SB 6/10 GW 33 WH	2102.0033	115	SB 6/10 GW C WH	2157.0003	115
SB 6/10 GS 91 WH	2103.0091	115	SB 6/10 GW 34 WH	2102.0034	115	SB 6/10 GW D WH	2157.0004	115
SB 6/10 GS 92 WH	2103.0092	115	SB 6/10 GW 35 WH	2102.0035	115	SB 6/10 GW E WH	2157.0005	115
SB 6/10 GS 93 WH	2103.0093	115	SB 6/10 GW 36 WH	2102.0036	115	SB 6/10 GW Earth with circle WH	2175.0005	115
SB 6/10 GS 94 WH	2103.0094	115	SB 6/10 GW 37 WH	2102.0037	115	SB 6/10 GW Earth without circle WH	2175.0004	115
SB 6/10 GS 95 WH	2103.0095	115	SB 6/10 GW 38 WH	2102.0038	115	SB 6/10 GW F WH	2157.0006	115
SB 6/10 GS 96 WH	2103.0096	115	SB 6/10 GW 39 WH	2102.0039	115	SB 6/10 GW G WH	2157.0007	115
SB 6/10 GS 97 WH	2103.0097	115	SB 6/10 GW 4 WH	2102.0004	114	SB 6/10 GW H WH	2157.0008	115
SB 6/10 GS 98 WH	2103.0098	115	SB 6/10 GW 40 WH	2102.0040	115	SB 6/10 GW I WH	2157.0009	115
SB 6/10 GS 99 WH	2103.0099	115	SB 6/10 GW 41 WH	2102.0041	115	SB 6/10 GW J WH	2157.0010	115
SB 6/10 GS A WH	2161.0001	115	SB 6/10 GW 42 WH	2102.0042	115	SB 6/10 GW K WH	2157.0011	115
SB 6/10 GS B WH	2161.0002	115	SB 6/10 GW 43 WH	2102.0043	115	SB 6/10 GW L WH	2157.0012	115
SB 6/10 GS C WH	2161.0003	115	SB 6/10 GW 44 WH	2102.0044	115	SB 6/10 GW M WH	2157.0013	115
SB 6/10 GS D WH	2161.0004	115	SB 6/10 GW 45 WH	2102.0045	115	SB 6/10 GW MP WH	2157.0029	115
SB 6/10 GS E WH	2161.0005	115	SB 6/10 GW 46 WH	2102.0046	115	SB 6/10 GW N WH	2157.0014	115
SB 6/10 GS Earth with circle WH	2161.0038	115	SB 6/10 GW 47 WH	2102.0047	115	SB 6/10 GW O WH	2157.0015	115
SB 6/10 GS Earth without circle WH	2161.0037	115	SB 6/10 GW 48 WH	2102.0048	115	SB 6/10 GW P WH	2157.0016	115
SB 6/10 GS F WH	2161.0006	115	SB 6/10 GW 49 WH	2102.0049	115	SB 6/10 GW PE WH	2157.0027	115
SB 6/10 GS G WH	2161.0007	115	SB 6/10 GW 5 WH	2102.0005	114	SB 6/10 GW PEN WH	2157.0028	115
SB 6/10 GS H WH	2161.0008	115	SB 6/10 GW 50 WH	2102.0050	115	SB 6/10 GW Q WH	2157.0017	115
SB 6/10 GS I WH	2161.0009	115	SB 6/10 GW 51 WH	2102.0051	115	SB 6/10 GW R WH	2157.0018	115
SB 6/10 GS J WH	2161.0010	115	SB 6/10 GW 52 WH	2102.0052	115	SB 6/10 GW S WH	2157.0019	115
SB 6/10 GS K WH	2161.0011	115	SB 6/10 GW 53 WH	2102.0053	115	SB 6/10 GW SL WH	2157.0030	115
SB 6/10 GS L WH	2161.0012	115	SB 6/10 GW 54 WH	2102.0054	115	SB 6/10 GW T WH	2157.0020	115

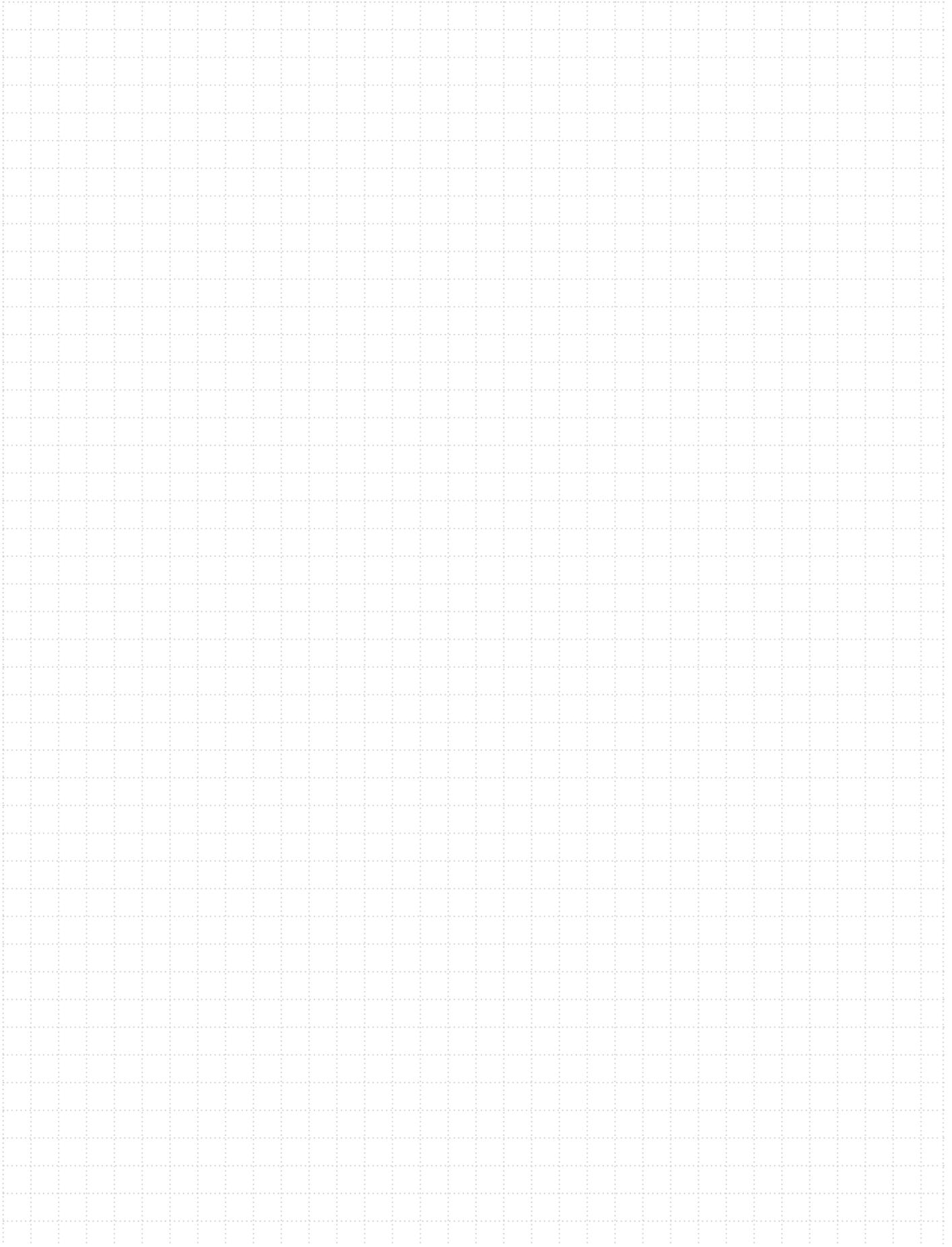
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SB 8/8 FS 113-120 WH	9477.0015	116	SB 8/8 FW U;V;W;N;PE WH	9481.0001	116	SB 8/8 GS X WH	9485.0024	117
SB 8/8 FS 17-24 WH	9477.0003	116	SB 8/8 FW U1;V1;W1 WH	9480.0021	116	SB 8/8 GS Y WH	9485.0025	117
SB 8/8 FS 25-32 WH	9477.0004	116	SB 8/8 FW U10;V10;W10 WH	9480.0030	116	SB 8/8 GS Z WH	9485.0026	117
SB 8/8 FS 33-40 WH	9477.0005	116	SB 8/8 FW U2;V2;W2 WH	9480.0022	116	SB 8/8 GW - WH	9478.0017	116
SB 8/8 FS 41-48 WH	9477.0006	116	SB 8/8 FW U3;V3;W3 WH	9480.0023	116	SB 8/8 GW - WH	9484.0035	117
SB 8/8 FS 49-56 WH	9477.0007	116	SB 8/8 FW U4;V4;W4 WH	9480.0024	116	SB 8/8 GW + WH	9478.0016	116
SB 8/8 FS 57-64 WH	9477.0008	116	SB 8/8 FW U5;V5;W5 WH	9480.0025	116	SB 8/8 GW + WH	9484.0034	117
SB 8/8 FS 65-72 WH	9477.0009	116	SB 8/8 FW U6;V6;W6 WH	9480.0026	116	SB 8/8 GW - WH	9484.0036	117
SB 8/8 FS 73-80 WH	9477.0010	116	SB 8/8 FW U7;V7;W7 WH	9480.0027	116	SB 8/8 GW 0 WH	9478.0000	116
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SB 8/8 FS 9-16 WH	9477.0002	116	SB 8/8 FW X1;Y1;Z1 WH	9480.0001	116	SB 8/8 GW 3 WH	9478.0003	116
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SB 8/8 FS U;V;W;N;PE WH	9483.0001	116	SB 8/8 GS - WH	9485.0036	117	SB 8/8 GW G WH	9484.0007	117
SB 8/8 FS U1;V1;W1 WH	9482.0021	116	SB 8/8 GS 0 WH	9479.0000	117	SB 8/8 GW H WH	9484.0008	117
SB 8/8 FS U10;V10;W10 WH	9482.0030	116	SB 8/8 GS 1 WH	9479.0001	117	SB 8/8 GW I WH	9484.0009	117
SB 8/8 FS U2;V2;W2 WH	9482.0022	116	SB 8/8 GS 2 WH	9479.0002	117	SB 8/8 GW J WH	9484.0010	117
SB 8/8 FS U3;V3;W3 WH	9482.0023	116	SB 8/8 GS 3 WH	9479.0003	117	SB 8/8 GW K WH	9484.0011	117
SB 8/8 FS U4;V4;W4 WH	9482.0024	116	SB 8/8 GS 4 WH	9479.0004	117	SB 8/8 GW L WH	9484.0012	117
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SB 8/8 FS U6;V6;W6 WH	9482.0026	116	SB 8/8 GS 6 WH	9479.0006	117	SB 8/8 GW L2 WH	9478.0013	116
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SB 8/8 FS X8;Y8;Z8 WH	9482.0008	116	SB 8/8 GS G WH	9485.0007	117	SB 8/8 GW R WH	9484.0018	117
SB 8/8 FS X9;Y9;Z9 WH	9482.0009	116	SB 8/8 GS H WH	9485.0008	117	SB 8/8 GW S WH	9484.0019	117
SB 8/8 FW 1-8 WH	9476.0001	116	SB 8/8 GS I WH	9485.0009	117	SB 8/8 GW SL WH	9484.0030	117
SB 8/8 FW 105-112 WH	9476.0014	116	SB 8/8 GS J WH	9485.0010	117	SB 8/8 GW T WH	9484.0020	117
SB 8/8 FW 113-120 WH	9476.0015	116	SB 8/8 GS K WH	9485.0011	117	SB 8/8 GW T1 WH	9484.0031	117
SB 8/8 FW 17-24 WH	9476.0003	116	SB 8/8 GS L WH	9485.0012	117	SB 8/8 GW T2 WH	9484.0032	117
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SB 8/8 FW 33-40 WH	9476.0005	116	SB 8/8 GS L2 WH	9479.0013	117	SB 8/8 GW U WH	9484.0021	117
SB 8/8 FW 41-48 WH	9476.0006	116	SB 8/8 GS L3 WH	9479.0014	117	SB 8/8 GW V WH	9484.0022	117
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SB 8/8 FW 65-72 WH	9476.0009	116	SB 8/8 GS N WH	9479.0015	Ka	SB 8/8 GW X WH	9484.0024	117
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SB 8/8 FW 81-88 WH	9476.0011	116	SB 8/8 GS O WH	9485.0015	117	SB 8/8 GW Z WH	9484.0026	117
SB 8/8 FW 9-16 WH	9476.0002	116	SB 8/8 GS P WH	9485.0016	117	SB 8/8FW 89-96 WH	9476.0012	116
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SDI 1.0x5.5	1083.0	100			78	ZAP ZMP BG	3785.2	55
SDI 1.2x6.5	1084.0	100	ZAP 10/2A BG	3788.2	20			57
SDIK 1.0x8.0	2278.0	100			71	ZAP/TW ZIZA 1 5/3 BG	3746.2	55
SDIK 2.0x100	2279.0	100	ZAP 10/2A BU	3788.5	71			56
SDK 1.0x80	2289.0	100	ZAP 10/2A GN	3788.1	21	ZAP/TW ZIZA 1 5/4 BG	3747.2	55
SDK 2.0x100	2290.0	100			71			57
SES 35 BG	17250.2	95	ZAP 10/2A OG	3788.3	71			71
SES 35 BK	17250.4	95	ZAP 16/2A BG	3799.2	21	ZAPD 2 5 BG	3756.2	24–27
SHES 35 BG	17259.2	95			71			71
STL 1550/10/3 81-V-F GN	13795.1	13	ZAP 16/2A BU	3799.5	71	ZAPD 2 5 BU	3756.5	71
		70	ZAP 16/2A GN	3799.1	21	ZAPD 2 5 GN	3756.1	25
STL 1550/6/3 50-V-F GN	13757.1	13			71			71
		70	ZAP 16/2A OG	3799.3	71	ZAPD 2 5 OG	3756.3	71
STL 1550/7/3 50-V-F GN	13758.1	70	ZAP 2 5/2A BG	3700.2	14	ZAPD 2 5 RD	3756.9	71
STL 1550/9/3 81-V-F GN	13794.1	70			70	ZAPD 2 5 YE	3756.8	71
STL 950/10/5 08-G-L GN	13162.1	65	ZAP 2 5/2A BU	3700.5	70	ZAPS 2 5/1A/1S BG	3680.2	46
STL 950/2/5 08-G-L GN	13154.1	65	ZAP 2 5/2A GN	3700.1	14	ZAPS 2 5/1A/1S GN	3680.1	46
STL 950/3/5 08-G-L GN	13155.1	65			70	ZAPS 2 5/1A/2S BG	3681.2	46
STL 950/4/5 08-G-L GN	13156.1	65	ZAP 2 5/2A OG	3700.3	70	ZAPS 2 5/1A/2S GN	3681.1	47
STL 950/4/5 08-G-L GN	13156.1	65	ZAP 2 5/2A RD	3700.9	70	ZAPS 2 5/2A/1S BG	3682.2	47
STL 950/5/5 08-G-L GN	13157.1	65	ZAP 2 5/2A YE	3700.8	70	ZAPS 2 5/2A/1S GN	3682.1	47
STL 950/6/5 08-G-L GN	13158.1	65	ZAP 2 5/3A BG	3701.2	14	ZAPS 2 5/2A/2S BG	3683.2	47
STL 950/7/5 08-G-L GN	13159.1	65			70	ZAPS 2 5/2A/2S GN	3683.1	47
STL 950/8/5 08-G-L GN	13160.1	65	ZAP 2 5/3A BU	3701.5	70	ZAPS 2 5/2S BG	3691.2	48
STL 950/9/5 08-G-L GN	13161.1	65	ZAP 2 5/3A GN	3701.1	14	ZAPS 2 5/2S GN	3691.1	48
STR 1 transparent	2506.0	96			70	ZAPS 2 5/4S BG	3692.2	48
		97	ZAP 2 5/3A OG	3701.3	70	ZAPS 2 5/4S GN	3692.1	49
STR 2 transparent	2878.0	97	ZAP 2 5/4A BG	3702.2	15	ZAPSK 2 5/1A/1S BG	3686.2	44
STR 3 transparent	2579.0	97			16			51
STR GT 1 transparent	2582.0	97			17	ZAPST 2 5/1A BG	3684.2	44
STR GT 2 transparent	2583.0	97			70	ZAPST 2 5/1A/Q BG	3685.2	45
T			ZAP 2 5/4A BU	3702.5	70	ZAPT 2 5/2A BG	3796.2	34–35
TS 15 ALU UGL	2711.0	92	ZAP 2 5/4A GN	3702.1	70			36
TS 15 GL	2092.0	92	ZAP 2 5/4A OG	3702.3	70			38
TS 15 UGL	2091.0	92	ZAP 2 5/ID BG	3761.2	30			71
TS 32 GL	2093.0	93			31	ZAPT 2 5/2A BU	3796.5	71
TS 32 UGL	2025.0	93	ZAP 2 5/ID BU	3761.5	71	ZAPT 2 5/2A OG	3796.3	71
TS 35x15 GL	2095.0	90	ZAP 2 5/ID GN	3761.1	31	ZAPT 2 5/3A BG	3797.2	34–38
TS 35x15 GL (6 2x18 mm)	4566.0	90	ZAP 4/2A BG	3703.2	18			71
		93			70	ZAPT 2 5/3A OG	3797.3	71
TS 35x15 Steel GL/galva-	4564.0	91	ZAP 4/2A BU	3703.5	70	ZAPT 2 5/4A BG	3798.2	34–35
nized			ZAP 4/2A GN	3703.1	18			37–38
TS 35x15 Steel UGL/galva-	4561.0	91			70	ZAPT 2 5/4A BU	3798.5	71
nised			ZAP 4/2A OG	3703.3	70	ZBA 1 BG	3745.2	24–27
TS 35x15 UGL	2027.0	90	ZAP 4/2A YE	3703.8	70			78
TS 35x15/2 3 GL	2039.0	91	ZAP 4/3A BG	3704.2	18	ZBA 2 BG	3786.2	55–57
TS 35x15/2 3 UGL	2038.0	91			70			78
TS 35x7 5 ALU UGL	2710.0	91	ZAP 4/3A GN	3704.1	19	ZBA 2/Z BG	3787.2	55–57
TS 35x7 5 GL	2094.0	90			70			79
TS 35x7 5 GL (6 2x18 mm)	2704.0	90	ZAP 4/4A BG	3705.2	70	ZBA 2/Z/H BG	17036.2	55
TS 35x7 5 Steel GL/galva-	4563.0	91	ZAP 4/4A BU	3705.5	70			79
nized			ZAP 4/4A GN	3705.1	19	ZBA 3 BG	3813.2	30–31
TS 35x7 5 Steel UGL/galvanized	4562.0	91			70			78
TS 35x7 5 UGL	2026.0	90	ZAP 4/4A OG	3705.3	70	ZDS 1/ZTR	3612.2	35
TST/M 5	2736.0	93	ZAP 6/2A BG	3760.2	20			39
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TSTW/M 5	2414.0	92	ZAP 6/2A GN	3760.1	20			39
TSTW/M 6	2303.0	92			71	ZDS 3/ZTR	3614.2	35
TWMF BG	2957.2	98	ZAP 6/2A OG	3760.3	71			39
TWMF BU	2957.5	98	ZAP 6/2A RD	3760.9	71			83
			ZAP 6/2A YE	3760.8	71			83

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ZIZA 1 5/3/8 POL/LED(RD)/24V	3545.2	58	ZQI 2 5/4 BK	3712.4	76	ZQI 6/5 YE	3766.8	20
ZIZA 1 5/3/8 POL/LED(RD)/24V/PE	3551.2	58	ZQI 2 5/4 RD	3712.9	76			77
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		56	ZQI 2 5/5 RD	3713.9	76	ZRH 2 5/0 25-0 5 GR	3751.6	80
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ZIZA 1 5/4/8 POL/PE	3556.2	58	ZQI 2 5/6 BK	3714.4	76	ZRK 16/2A BG	3636.2	21
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ZRKD 2 5/D2 BG	3571.2	27	ZSRK 2 5/2A-D BG	3588.2	62	ZTRK 2 5/3A/OT BU	3610.5	38
ZRKD 2 5/D3 BG	3572.2	27	ZSRK 2 5/2A-D BU	3588.5	62	ZTRK 2 5/3A/ST BG	3607.2	35
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ZRKD 2 5/SV BU	3563.5	24	ZSRK 2 5/2A/15 RD	3585.9	12	ZTRK 2 5/4A/MT BU	3605.5	34
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ZRKS 2 5/1A/2S BU	3651.5	46	ZSRK 2 5/3A/15 BG	3599.2	12	ZTRK 2 5/4A/ZS 250 BG	3630.2	37
ZRKS 2 5/1A/2S OG	3651.3	46	ZSRK 2 5/3A/15 BU	3599.5	12	ZTRK 2 5/4A/ZS BG	3626.2	37
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1083.0	SDI 1.0x5.5	100	2102.0015	SB 6/10 GW 15 WH	114	2102.0086	SB 6/10 GW 86 WH	115
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1088.0	SDB 1.2x6.5	100	2102.0021	SB 6/10 GW 21 WH	114	2102.0092	SB 6/10 GW 92 WH	115
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2432.0057	SB 5/10 GW 57 WH	113	2434.0022	SB 5/10 GS 22 WH	113	2434.0097	SB 5/10 GS 97 WH	113
2432.0058	SB 5/10 GW 58 WH	113	2434.0023	SB 5/10 GS 23 WH	113	2434.0098	SB 5/10 GS 98 WH	113
2432.0059	SB 5/10 GW 59 WH	113	2434.0024	SB 5/10 GS 24 WH	113	2434.0099	SB 5/10 GS 99 WH	113
2432.0060	SB 5/10 GW 60 WH	113	2434.0025	SB 5/10 GS 25 WH	113	2434.0100	SB 5/10 GS 100 WH	113
2432.0061	SB 5/10 GW 61 WH	113	2434.0026	SB 5/10 GS 26 WH	113	2471.0001	SB 5/10 FW U;V;W;N;PE WH	112
2432.0062	SB 5/10 GW 62 WH	113	2434.0027	SB 5/10 GS 27 WH	113	2471.0002	SB 5/10 FW R;S;T;N;Earth with circle WH	112
2432.0063	SB 5/10 GW 63 WH	113	2434.0028	SB 5/10 GS 28 WH	113	2471.0003	SB 5/10 FW L1;L2;L3;N;PE WH	112
2432.0064	SB 5/10 GW 64 WH	113	2434.0029	SB 5/10 GS 29 WH	113	2471.0004	SB 5/10 FW L1;L2;L3;N;Earth with circle WH	112
2432.0065	SB 5/10 GW 65 WH	113	2434.0030	SB 5/10 GS 30 WH	113	2472.0001	SB 5/10 FS X1;Y1;Z1 WH	112
2432.0066	SB 5/10 GW 66 WH	113	2434.0031	SB 5/10 GS 31 WH	113	2472.0002	SB 5/10 FS X2;Y2;Z2 WH	112
2432.0067	SB 5/10 GW 67 WH	113	2434.0032	SB 5/10 GS 32 WH	113	2472.0003	SB 5/10 FS X3;Y3;Z3 WH	112
2432.0068	SB 5/10 GW 68 WH	113	2434.0033	SB 5/10 GS 33 WH	113	2472.0004	SB 5/10 FS X4;Y4;Z4 WH	112
2432.0069	SB 5/10 GW 69 WH	113	2434.0034	SB 5/10 GS 34 WH	113	2472.0005	SB 5/10 FS X5;Y5;Z5 WH	112
2432.0070	SB 5/10 GW 70 WH	113	2434.0035	SB 5/10 GS 35 WH	113	2472.0006	SB 5/10 FS X6;Y6;Z6 WH	112
2432.0071	SB 5/10 GW 71 WH	113	2434.0036	SB 5/10 GS 36 WH	113	2472.0007	SB 5/10 FS X7;Y7;Z7 WH	112
2432.0072	SB 5/10 GW 72 WH	113	2434.0037	SB 5/10 GS 37 WH	113	2472.0008	SB 5/10 FS X8;Y8;Z8 WH	112
2432.0073	SB 5/10 GW 73 WH	113	2434.0038	SB 5/10 GS 38 WH	113	2472.0009	SB 5/10 FS X9;Y9;Z9 WH	112
2432.0074	SB 5/10 GW 74 WH	113	2434.0039	SB 5/10 GS 39 WH	113	2472.0010	SB 5/10 FS X10;Y10;Z10 WH	112
2432.0075	SB 5/10 GW 75 WH	113	2434.0040	SB 5/10 GS 40 WH	113	2472.0011	SB 5/10 FS R1;S1;T1 WH	112
2432.0076	SB 5/10 GW 76 WH	113	2434.0041	SB 5/10 GS 41 WH	113	2472.0012	SB 5/10 FS R2;S2;T2 WH	112
2432.0077	SB 5/10 GW 77 WH	113	2434.0042	SB 5/10 GS 42 WH	113	2472.0013	SB 5/10 FS R3;S3;T3 WH	112
2432.0078	SB 5/10 GW 78 WH	113	2434.0043	SB 5/10 GS 43 WH	113	2472.0014	SB 5/10 FS R4;S4;T4 WH	112
2432.0079	SB 5/10 GW 79 WH	113	2434.0044	SB 5/10 GS 44 WH	113	2472.0015	SB 5/10 FS R5;S5;T5 WH	112
2432.0080	SB 5/10 GW 80 WH	113	2434.0045	SB 5/10 GS 45 WH	113	2472.0016	SB 5/10 FS R6;S6;T6 WH	112
2432.0081	SB 5/10 GW 81 WH	113	2434.0046	SB 5/10 GS 46 WH	113	2472.0017	SB 5/10 FS R7;S7;T7 WH	112
2432.0082	SB 5/10 GW 82 WH	113	2434.0047	SB 5/10 GS 47 WH	113	2472.0018	SB 5/10 FS R8;S8;T8 WH	112
2432.0083	SB 5/10 GW 83 WH	113	2434.0048	SB 5/10 GS 48 WH	113	2472.0019	SB 5/10 FS R9;S9;T9 WH	112
2432.0084	SB 5/10 GW 84 WH	113	2434.0049	SB 5/10 GS 49 WH	113	2472.0020	SB 5/10 FS R10;S10;T10 WH	112
2432.0085	SB 5/10 GW 85 WH	113	2434.0050	SB 5/10 GS 50 WH	113	2472.0021	SB 5/10 FS U1;V1;W1 WH	112
2432.0086	SB 5/10 GW 86 WH	113	2434.0051	SB 5/10 GS 51 WH	113	2472.0022	SB 5/10 FS U2;V2;W2 WH	112
2432.0087	SB 5/10 GW 87 WH	113	2434.0052	SB 5/10 GS 52 WH	113	2472.0023	SB 5/10 FS U3;V3;W3 WH	112
2432.0088	SB 5/10 GW 88 WH	113	2434.0053	SB 5/10 GS 53 WH	113	2472.0024	SB 5/10 FS U4;V4;W4 WH	112
2432.0089	SB 5/10 GW 89 WH	113	2434.0054	SB 5/10 GS 54 WH	113	2472.0025	SB 5/10 FS U5;V5;W5 WH	112
2432.0090	SB 5/10 GW 90 WH	113	2434.0055	SB 5/10 GS 55 WH	113	2472.0026	SB 5/10 FS U6;V6;W6 WH	112
2432.0091	SB 5/10 GW 91 WH	113	2434.0056	SB 5/10 GS 56 WH	113	2472.0027	SB 5/10 FS U7;V7;W7 WH	112
2432.0092	SB 5/10 GW 92 WH	113	2434.0057	SB 5/10 GS 57 WH	113	2472.0028	SB 5/10 FS U8;V8;W8 WH	112
2432.0093	SB 5/10 GW 93 WH	113	2434.0058	SB 5/10 GS 58 WH	113	2472.0029	SB 5/10 FS U9;V9;W9 WH	112
2432.0094	SB 5/10 GW 94 WH	113	2434.0059	SB 5/10 GS 59 WH	113	2472.0030	SB 5/10 FS U10;V10;W10 WH	112
2432.0095	SB 5/10 GW 95 WH	113	2434.0060	SB 5/10 GS 60 WH	113	2473.0001	SB 5/10 FS U;V;W;N;PE WH	112
2432.0096	SB 5/10 GW 96 WH	113	2434.0061	SB 5/10 GS 61 WH	113	2473.0002	SB 5/10 FS R;S;T;N;Earth with circle WH	112
2432.0097	SB 5/10 GW 97 WH	113	2434.0062	SB 5/10 GS 62 WH	113	2473.0003	SB 5/10 FS L1;L2;L3;N;PE WH	112
2432.0098	SB 5/10 GW 98 WH	113	2434.0063	SB 5/10 GS 63 WH	113	2473.0004	SB 5/10 FS L1;L2;L3;N;Earth with circle WH	112
2432.0099	SB 5/10 GW 99 WH	113	2434.0064	SB 5/10 GS 64 WH	113	2474.0001	SB 5/10 GW A WH	113
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2433.0010	SB 5/10 FS 91-100 WH	112	2434.0075	SB 5/10 GS 75 WH	113	2474.0012	SB 5/10 GW L WH	113
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2475.0009	SB 5/10 GS I WH	113	2989.0007	SB 6/10 FW X7;Y7;Z7 WH	114	3511.2	ZSL 2.5/3A GNYE	15
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2475.0027	SB 5/10 GS PE WH	113	2989.0025	SB 6/10 FW U5;V5;W5 WH	114	3530.2	ZIZA 1.5/3/LED(RD)/24V BG	54
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2475.0036	SB 5/10 GS ~ WH	113	2990.0004	SB 6/10 FS X4;Y4;Z4 WH	114	3536.2	ZIZA 1.5/4/LED(RD)/24V BG	54
2475.0037	SB 5/10 GS Earth WH	113	2990.0005	SB 6/10 FS X5;Y5;Z5 WH	114			57
2475.0038	SB 5/10 GS Earth with circle WH	113	2990.0006	SB 6/10 FS X6;Y6;Z6 WH	114	3537.2	ZIZA 1.5/4/PE GNYE	54
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2506.0	STR 1 transparent	96-97	2990.0008	SB 6/10 FS X8;Y8;Z8 WH	114	3542.2	ZRK 2.5/2x2A/D2 BG	16
2528.0	SchT 4/8	96	2990.0009	SB 6/10 FS X9;Y9;Z9 WH	114	3543.2	ZRK 2.5/2x2A/LED2(RD)/24V DC BG	17
2529.0	SchT 6/12	96	2990.0010	SB 6/10 FS X10;Y10;Z10 WH	114	3544.2	ZIZA 1.5/3/8 POL	58
2530.0	SchT 11	97	2990.0011	SB 6/10 FS R1;S1;T1 WH	114	3545.2	ZIZA 1.5/3/8 POL/LED(RD)/24V	58
2531.0	SchT 12	97	2990.0012	SB 6/10 FS R2;S2;T2 WH	114	3546.2	ZIZA 1.5/3/10 POL	58
2563.0	TSTW/F/M 6	92	2990.0013	SB 6/10 FS R3;S3;T3 WH	114	3547.2	ZIZA 1.5/3/10 POL/LED(RD)/24V	58
2571.0	AS 3/10 WH	96-97	2990.0014	SB 6/10 FS R4;S4;T4 WH	114	3548.2	ZIZA 1.5/3/16 POL	58
2579.0	STR 3 transparent	97	2990.0015	SB 6/10 FS R5;S5;T5 WH	114	3549.2	ZIZA 1.5/3/16 POL/LED(RD)/24V	58
2580.0	ESO GT 1	97	2990.0016	SB 6/10 FS R6;S6;T6 WH	114	3550.2	ZIZA 1.5/3/8 POL/PE	58
2581.0	ESO GT 2	97	2990.0017	SB 6/10 FS R7;S7;T7 WH	114	3551.2	ZIZA 1.5/3/8 POL/LED(RD)/24V/PE	58
2582.0	STR GT 1 transparent	97	2990.0018	SB 6/10 FS R8;S8;T8 WH	114	3552.2	ZIZA 1.5/3/10 POL/PE	58
2583.0	STR GT 2 transparent	97	2990.0019	SB 6/10 FS R9;S9;T9 WH	114	3553.2	ZIZA 1.5/3/10 POL/LED(RD)/24V/PE	58
2584.0	ESO	96-97	2990.0020	SB 6/10 FS R10;S10;T10 WH	114	3554.2	ZIZA 1.5/3/16 POL/PE	58
2585.0	ESO 3	97	2990.0021	SB 6/10 FS U1;V1;W1 WH	114	3555.2	ZIZA 1.5/3/16 POL/LED(RD)/24V/PE	58
2704.0	TS 35x7.5 GL (6.2x18 mm)	90	2990.0022	SB 6/10 FS U2;V2;W2 WH	114	3556.2	ZIZA 1.5/4/8 POL/PE	58
2710.0	TS 35x7.5 ALU UGL	91	2990.0023	SB 6/10 FS U3;V3;W3 WH	114	3557.2	ZIZA 1.5/4/8 POL/LED(RD)/24V/PE	58
2711.0	TS 15 ALU UGL	92	2990.0024	SB 6/10 FS U4;V4;W4 WH	114	3558.2	ZIZA 1.5/4/10 POL/PE	58
						3559.2	ZIZA 1.5/4/10 POL/LED(RD)/24V/PE	58

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3563.3	ZRKD 2.5/SV OG	24	3610.5	ZTRK 2.5/3A/OT BU	38	3662.2	ZSLS 2.5/2A/1S GNYE	47
3563.5	ZRKD 2.5/SV BU	24	3611.2	ZTRK 2.5/4A/OT BG	38	3663.2	ZSLS 2.5/2A/2S GNYE	47
3564.2	ZRKD 2.5/N/DU	24	3611.5	ZTRK 2.5/4A/OT BU	38	3664.2	ZSLS 2.5/4S GNYE	49
3565.2	ZRKD 2.5/DU/PE	25	3612.2	ZDS 1/ZTR	35	3665.2	ZSLS 2.5/2S GNYE	48
3566.2	ZRKD 2.5/N/PE	25			39	3667.2	ZSTK 2.5/1A/1S-H/Z/B/35 BG	44
3567.2	ZSLD 2.5 GNYE	25			83	3668.2	ZSTK 2.5/1A/1S-H/Z/B/15 BG	44
3568.2	ZRKD 2.5/LED1(RD)/24V DC BG	26	3613.2	ZDS 2/ZTR	35	3669.3	ZST-WAV1 OG	51
3569.2	ZRKD 2.5/LED2(RD)/24V DC BG	26			39	3670.2	ZST 2.5/1A BG	44
3570.2	ZRKD 2.5/D1 BG	26			83	3671.2	ZST 2.5/1A/Z BG	44
3571.2	ZRKD 2.5/D2 BG	27	3614.2	ZDS 3/ZTR	35	3672.2	ZST 2.5/1A/Q BG	45
3572.2	ZRKD 2.5/D3 BG	27			39	3673.2	ZST 2.5/1A/Q/Z BG	45
3573.2	ZRKD 2.5/D4 BG	27			83	3674.2	ZSTK 2.5/1A/1S-H/Z/35 BG	44
3574.2	ZRKD 2.5/D5 BG	27	3615.2	ZDS 4/ZTR	35	3675.2	ZSTK 2.5/1A/1S-H/Z/35 BG	44
3581.2	ZRK 6/2A BG	20			39	3676.2	ZSTK 2.5/1A/1S-H/15 BG	44
3581.3	ZRK 6/2A OG	20	3616.2	ZTRK 2.5/2A/ZS BG	36	3677.2	ZSTK 2.5/1A/1S-H/Z/15 BG	44
3581.5	ZRK 6/2A BU	20	3616.5	ZTRK 2.5/2A/ZS BU	36	3679.0	ZSTK 2.5/1A/1S-H/Z/B GNYE	51
3581.9	ZRK 6/2A RD	20	3617.2	ZTRK 2.5/2A/ZS 36 BG	36	3679.2	ZSTK 2.5/1A/1S-H/Z/B BG	51
3582.2	ZVMAK 2.5 BG	13	3618.2	ZTRK 2.5/2A/ZS 70 BG	36			51
		31	3619.2	ZTRK 2.5/2A/ZS 150 BG	36	3679.3	ZSTK 2.5/1A/1S-H/Z/B OG	51
3582.5	ZVMAK 2.5 BU	31	3620.2	ZTRK 2.5/2A/ZS 250 BG	36	3679.5	ZSTK 2.5/1A/1S-H/Z/B BU	51
3583.3	ZSRK 2.5/2A OG	13	3621.2	ZTRK 2.5/3A/ZS BG	36	3680.1	ZAPS 2.5/1A/1S GN	46
3583.5	ZSRK 2.5/2A BU	13	3621.5	ZTRK 2.5/3A/ZS BU	36	3680.2	ZAPS 2.5/1A/1S BG	46
3583.8	ZSRK 2.5/2A YE	13	3622.2	ZTRK 2.5/3A/ZS 36 BG	37	3681.1	ZAPS 2.5/1A/2S GN	47
3583.9	ZSRK 2.5/2A RD	13	3623.2	ZTRK 2.5/3A/ZS 70 BG	37	3681.2	ZAPS 2.5/1A/2S BG	46
3584.2	ZSLN 2.5/2A GNYE	13	3624.2	ZTRK 2.5/3A/ZS 150 BG	37	3682.1	ZAPS 2.5/2A/1S GN	47
3585.2	ZSRK 2.5/2A/15 BG	12	3625.2	ZTRK 2.5/3A/ZS 250 BG	37	3682.2	ZAPS 2.5/2A/1S BG	47
3585.3	ZSRK 2.5/2A/15 OG	12	3626.2	ZTRK 2.5/4A/ZS BG	37	3683.1	ZAPS 2.5/2A/2S GN	47
3585.5	ZSRK 2.5/2A/15 BU	12	3626.5	ZTRK 2.5/4A/ZS BU	37	3683.2	ZAPS 2.5/2A/2S BG	47
3585.9	ZSRK 2.5/2A/15 RD	12	3629.2	ZTRK 2.5/4A/ZS 150 BG	37	3684.2	ZAPST 2.5/1A BG	44
3586.2	ZSLN 2.5/2A/15 GNYE	12	3630.2	ZTRK 2.5/4A/ZS 250 BG	37	3685.2	ZAPST 2.5/1A/Q BG	45
3587.2	ZSRK 2.5/2A-RC BG	62	3631.2	ZS/H1/ZTR/36	37	3686.2	ZAPSK 2.5/1A/1S BG	44
3587.3	ZSRK 2.5/2A-RC OG	62			39			51
3587.5	ZSRK 2.5/2A-RC BU	62			82	3687.3	ZST-V OG	44 – 49
3588.2	ZSRK 2.5/2A-D BG	62	3632.2	ZS/H2/ZTR/70	37			51
3588.5	ZSRK 2.5/2A-D BU	62			39	3688.3	ZST-Z OG	44
3588.8	ZSRK 2.5/2A-D YE	62			82			45
3588.9	ZSRK 2.5/2A-D RD	62	3633.2	ZS/H3/ZTR/150	37			51
3589.2	ZSL 6/2A GNYE	20			39	3689.3	ZST-C OG	44
3590.2	ZIKD 2.5 BG	30	3634.2	ZS/H4/ZTR/250	37			46 – 49
3590.5	ZIKD 2.5 BU	30			39			51
3591.2	ZIKD 2.5/SV BG	30	3635.2	ZS/H0/ZTR	37	3690.3	ZST-V-I OG	46 – 49
3591.5	ZIKD 2.5/SV BU	30			83	3691.1	ZAPS 2.5/2S GN	48
3592.2	ZIKD 2.5/PE/L/L BG	31	3636.2	ZRK 16/2A BG	21	3691.2	ZAPS 2.5/2S BG	48
3593.2	ZIKD 2.5/SV/PE GNYE	31	3636.5	ZRK 16/2A BU	21	3692.1	ZAPS 2.5/4S GN	49
3594.2	ZIKD 2.5/PE/L/N BG	31	3637.2	ZSL 16/2A GNYE	21	3692.2	ZAPS 2.5/4S BG	48
3595.2	ZSRK 2.5/2A-D/F BG	63	3638.2	ZSLN 2.5/2A-D BKYE	62	3693.2	ZST-WA1	51
3595.5	ZSRK 2.5/2A/D/F BU	63	3639.2	ZSLN 2.5/2A-RC BKYE	63	3700.1	ZAP 2.5/2A GN	14
3596.2	ZMP 1.5 BG	57	3640.2	ZSLN 2.5/2A-D/F BKYE	63	3700.2	ZAP 2.5/2A BG	14
3597.2	ZRK 10/2A BG	20	3641.2	ZIZA 1.5/3/9 POL	58			70
3597.3	ZRK 10/2A OG	20	3642.2	ZIZA 1.5/3/9 POL/LED(RD)/24V	58	3700.3	ZAP 2.5/2A OG	70
3597.5	ZRK 10/2A BU	20	3643.2	ZIZA 1.5/3/17 POL	58	3700.5	ZAP 2.5/2A BU	70
3598.2	ZSL 10/2A GNYE	21	3644.2	ZIZA 1.5/3/17 POL/LED(RD)/24V	58	3700.8	ZAP 2.5/2A YE	70
3599.2	ZSRK 2.5/3A/15 BG	12	3647.2	ZIZA 1.5/3/E BG	56	3700.9	ZAP 2.5/2A RD	70
3599.3	ZSRK 2.5/3A/15 OG	12	3648.2	ZIZA 1.5/4/E BG	57	3701.1	ZAP 2.5/3A GN	14
3599.5	ZSRK 2.5/3A/15 BU	12	3650.2	ZRKS 2.5/1A/1S BG	46			70
3600.2	ZSRK 2.5/3A BG	13	3650.3	ZRKS 2.5/1A/1S OG	46	3701.2	ZAP 2.5/3A BG	14
3600.3	ZSRK 2.5/3A OG	13	3650.5	ZRKS 2.5/1A/1S BU	46			70
3600.5	ZSRK 2.5/3A BU	13	3651.2	ZRKS 2.5/1A/2S BG	46	3701.3	ZAP 2.5/3A OG	70
3601.2	ZSLN 2.5/3A/15 GNYE	13	3651.3	ZRKS 2.5/1A/2S OG	46	3701.5	ZAP 2.5/3A BU	70
3602.2	ZSLN 2.5/3A GNYE	13	3651.5	ZRKS 2.5/1A/2S BU	46	3702.1	ZAP 2.5/4A GN	70
3603.2	ZTRK 2.5/2A/MT BG	34	3652.2	ZRKS 2.5/2A/1S BG	47	3702.2	ZAP 2.5/4A BG	15 – 17
3603.5	ZTRK 2.5/2A/MT BU	34	3652.3	ZRKS 2.5/2A/1S OG	47			70
3604.2	ZTRK 2.5/3A/MT BG	34	3652.5	ZRKS 2.5/2A/1S BU	47	3702.3	ZAP 2.5/4A OG	70
3604.5	ZTRK 2.5/3A/MT BU	34	3653.2	ZRKS 2.5/2A/2S BG	47	3702.5	ZAP 2.5/4A BU	70
3605.2	ZTRK 2.5/4A/MT BG	34	3653.3	ZRKS 2.5/2A/2S OG	47	3703.1	ZAP 4/2A GN	18
3605.5	ZTRK 2.5/4A/MT BU	34	3653.5	ZRKS 2.5/2A/2S BU	47			70
3606.2	ZTRK 2.5/2A/ST BG	35	3654.2	ZRKS 2.5/4S BG	48	3703.2	ZAP 4/2A BG	18
3606.5	ZTRK 2.5/2A/ST BU	35	3654.3	ZRKS 2.5/4S OG	48			70
3607.2	ZTRK 2.5/3A/ST BG	35	3654.5	ZRKS 2.5/4S BU	48	3703.3	ZAP 4/2A OG	70
						3703.5	ZAP 4/2A BU	70
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3704.2	ZAP 4/3A BG	18-19 70				3751.6	ZRH 2.5/0.25-0.5 GR	80
3705.1	ZAP 4/4A GN	19 70				3752.4	ZRH 2.5/0.75-1.0 BK	80
3705.2	ZAP 4/4A BG	70				3753.7	ZRH 4/0.13-0.2 WH	81
3705.3	ZAP 4/4A OG	70	3716.9	ZQI 2.5/8 RD	76	3754.6	ZRH 4/0.25-0.5 GR	81
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3713.4	ZQI 2.5/5 BK	76	3723.8	ZQI 4/5 YE	18-19 76	3760.2	ZAP 6/2A BG	20
3713.8	ZQI 2.5/5 YE	12-15 24-27 30-31 34-37 45-48 62-63 76	3724.8	ZQI 4/6 YE	18-19 76	3760.3	ZAP 6/2A OG	71
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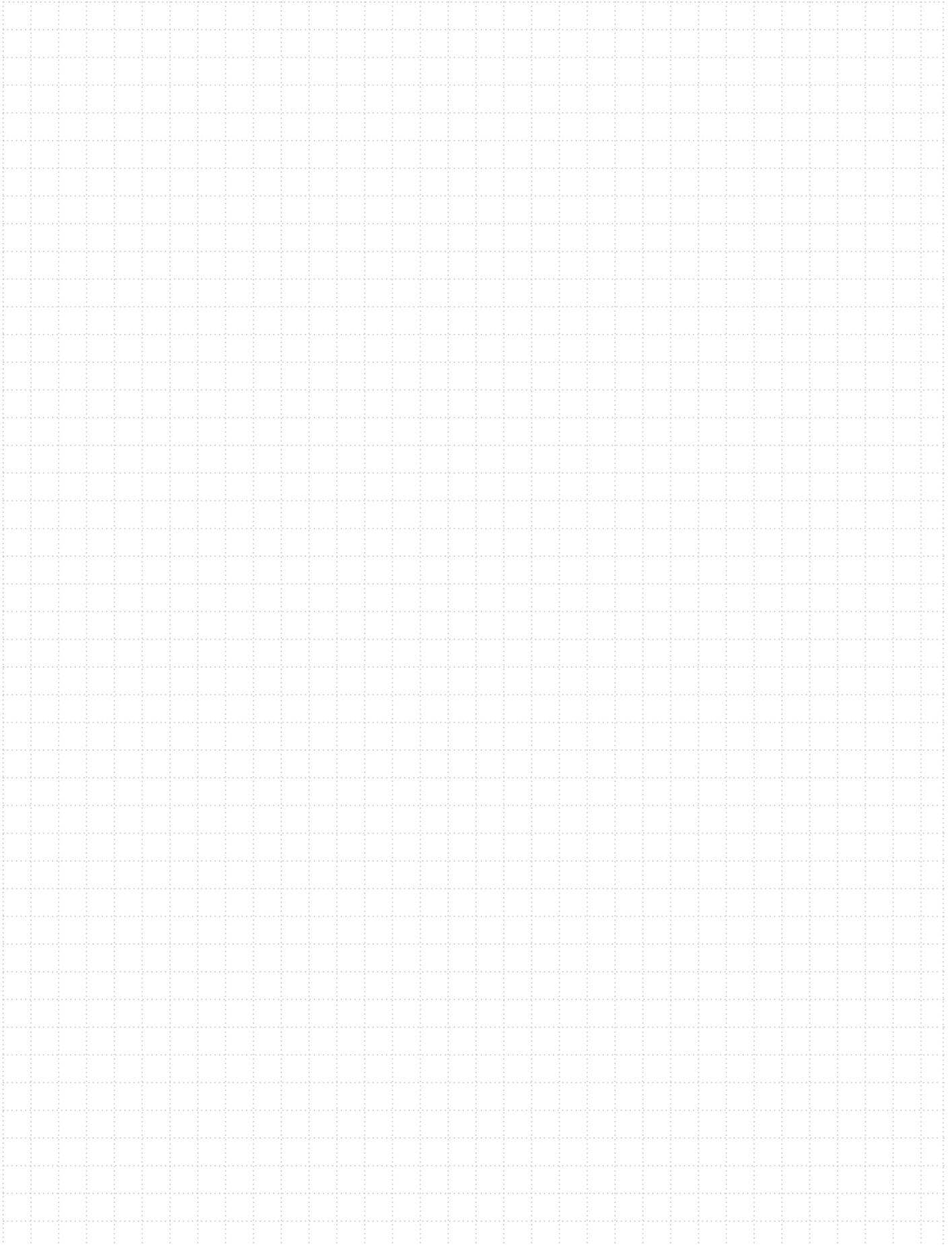
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3794.3	ZAP SR 3A/15 OG	70	4611.7	PMC SB 5/50 FW 1-50 WH	103	4678.7	PMC SB 5/50 GW 9 WH	103
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3796.2	ZAPT 2.5/2A BG	34-36 38 71	4614.7	PMC SB 5/50 FW 151-200 WH	103	4681.7	PMC SB 5/50 GW PE WH	103
3796.3	ZAPT 2.5/2A OG	71	4615.7	PMC SB 5/50 FW 201-250 WH	103	4682.7	PMC SB 5/50 GW L1 WH	103
3796.5	ZAPT 2.5/2A BU	71	4616.7	PMC SB 5/50 FW 251-300 WH	103	4683.7	PMC SB 5/50 GW L2 WH	103
3797.2	ZAPT 2.5/3A BG	34-38 71	4617.7	PMC SB 5/50 FW 301-350 WH	103	4684.7	PMC SB 5/50 GW L3 WH	103
3797.3	ZAPT 2.5/3A OG	71	4618.7	PMC SB 5/50 FW 351-400 WH	103	4685.7	PMC SB 5/50 GW N WH	103
3798.2	ZAPT 2.5/4A BG	34-35 37-38 71	4619.7	PMC SB 5/50 FW 401-450 WH	103	4686.7	PMC SB 5/50 GS 1 WH	103
3798.5	ZAPT 2.5/4A BU	71	4620.7	PMC SB 5/50 FW 451-500 WH	103	4687.7	PMC SB 5/50 GS 2 WH	103
3799.1	ZAP 16/2A GN	21 71	4621.7	PMC SB 5/50 FW 501-550 WH	103	4688.7	PMC SB 5/50 GS 3 WH	103
3799.2	ZAP 16/2A BG	21 71	4622.7	PMC SB 5/50 FW 551-600 WH	103	4689.7	PMC SB 5/50 GS 4 WH	103
3799.3	ZAP 16/2A OG	71	4623.7	PMC SB 5/50 FW 601-650 WH	103	4690.7	PMC SB 5/50 GS 5 WH	103
3799.5	ZAP 16/2A BU	71	4624.7	PMC SB 5/50 FW 651-700 WH	103	4691.7	PMC SB 5/50 GS 6 WH	103
3800.8	ZQI 16/2 YE	21 77	4625.7	PMC SB 5/50 FW 701-750 WH	103	4692.7	PMC SB 5/50 GS 7 WH	103
3801.0	ZAD 16/4/B YE	21 79	4626.7	PMC SB 5/50 FW 751-800 WH	103	4693.7	PMC SB 5/50 GS 8 WH	103
3802.0	BW 6 (ZRK)	66	4627.7	PMC SB 5/50 FW 801-850 WH	103	4694.7	PMC SB 5/50 GS 9 WH	103
3803.0	BW 7 (ZRK)	66	4628.7	PMC SB 5/50 FW 851-900 WH	103	4695.7	PMC SB 5/50 GS 0 WH	103
3804.0	BW 8 (ZRK)	66	4629.7	PMC SB 5/50 FW 901-950 WH	103	4696.7	PMC SB 5/50 GS X WH	103
3805.0	BW 9 (ZRK)	66	4631.7	PMC SB 5/50 FW U1,V1,W1,N,PE WH	103	4697.7	PMC SB 5/50 GS PE WH	103
3806.0	BW 10 (ZRK)	66	4632.7	PMC SB 5/50 FW U1,V1,W1 WH	103	4698.7	PMC SB 5/50 GS L1 WH	103
3807.0	ZSchT 6	97	4634.7	PMC SB 5/50 FW U2,V2,W2 WH	103	4699.7	PMC SB 5/50 GS L2 WH	103
3808.0	BWMA 1 (0.5 x 3.5 mm)	12-17 24-27 30-31 34-38 44-49 51 62-63 84	4635.7	PMC SB 5/50 FW X1-X10 WH	103	4700.7	PMC SB 5/50 GS L3 WH	103
3809.0	SchT 10	96	4636.7	PMC SB 5/50 FS 1-10 WH	103	4701.7	PMC SB 5/50 GS N WH	103
3810.2	ZTA 16	21 81	4637.7	PMC SB 5/50 FS 11-20 WH	103	4702.7	PMC SB 6/50 WH	18-19 80-81 104
3811.2	ZES 35/2 BG	13 44 46-49 95 99	4638.7	PMC SB 5/50 FS 21-30 WH	103	4703.7	PMC SB 6/50 FW 1-10 WH	104
3812.2	ZES 15 BG	12-13 44 95	4639.7	PMC SB 5/50 FS 31-40 WH	103	4704.7	PMC SB 6/50 FW 11-20 WH	104
3813.2	ZBA 3 BG	30-31 78	4640.7	PMC SB 5/50 FS 41-50 WH	103	4705.7	PMC SB 6/50 FW 21-30 WH	104
3841.0	BWMA 1 (0.5 x 2.5 mm)	84	4641.7	PMC SB 5/50 FS 51-60 WH	103	4706.7	PMC SB 6/50 FW 31-40 WH	104
3917.7	GKE 30/6 WH	96 97	4642.7	PMC SB 5/50 FS 61-70 WH	103	4707.7	PMC SB 6/50 FW 41-50 WH	104
4			4643.7	PMC SB 5/50 FS 71-80 WH	103	4708.7	PMC SB 6/50 FW 51-60 WH	104
4561.0	TS 35x15 Steel UGL/galvanised	91	4644.7	PMC SB 5/50 FS 81-90 WH	103	4709.7	PMC SB 6/50 FW 61-70 WH	104
4562.0	TS 35x7.5 Steel UGL/galvanised	91	4645.7	PMC SB 5/50 FS 91-100 WH	103	4710.7	PMC SB 6/50 FW 71-80 WH	104
4563.0	TS 35x7.5 Steel GL/galvanised	91	4646.7	PMC SB 5/50 FS 1-50 WH	103	4711.7	PMC SB 6/50 FW 81-90 WH	104
4564.0	TS 35x15 Steel GL/galvanised	91	4647.7	PMC SB 5/50 FS 51-100 WH	103	4712.7	PMC SB 6/50 FW 91-100 WH	103-104
4566.0	TS 35x15 GL (6.2x18 mm)	90 93	4648.7	PMC SB 5/50 FS 101-150 WH	103	4713.7	PMC SB 6/50 FW 1-50 WH	104
			4649.7	PMC SB 5/50 FS 151-200 WH	103	4714.7	PMC SB 6/50 FW 51-100 WH	104
			4650.7	PMC SB 5/50 FS 201-250 WH	103	4715.7	PMC SB 6/50 FW 101-150 WH	104
			4651.7	PMC SB 5/50 FS 251-300 WH	103	4716.7	PMC SB 6/50 FW 151-200 WH	104
			4652.7	PMC SB 5/50 FS 301-350 WH	103	4717.7	PMC SB 6/50 FW 201-250 WH	104
			4653.7	PMC SB 5/50 FS 351-400 WH	103	4718.7	PMC SB 6/50 FW 251-300 WH	104
			4654.7	PMC SB 5/50 FS 401-450 WH	103	4719.7	PMC SB 6/50 FW 301-350 WH	104
			4655.7	PMC SB 5/50 FS 451-500 WH	103	4720.7	PMC SB 6/50 FW 351-400 WH	104
			4656.7	PMC SB 5/50 FS 501-550 WH	103	4721.7	PMC SB 6/50 FW 401-450 WH	104
			4657.7	PMC SB 5/50 FS 551-600 WH	103	4722.7	PMC SB 6/50 FW 451-500 WH	104
			4658.7	PMC SB 5/50 FS 601-650 WH	103	4723.7	PMC SB 6/50 FW 501-550 WH	104
			4659.7	PMC SB 5/50 FS 651-700 WH	103	4724.7	PMC SB 6/50 FW 551-600 WH	104
			4660.7	PMC SB 5/50 FS 701-750 WH	103	4725.7	PMC SB 6/50 FW 601-650 WH	104
			4661.7	PMC SB 5/50 FS 751-800 WH	103	4726.7	PMC SB 6/50 FW 651-700 WH	104
			4662.7	PMC SB 5/50 FS 801-850 WH	103	4727.7	PMC SB 6/50 FW 701-750 WH	104
			4663.7	PMC SB 5/50 FS 851-900 WH	103	4728.7	PMC SB 6/50 FW 751-800 WH	104
			4664.7	PMC SB 5/50 FS L1,L2,L3,N,PE WH	103	4729.7	PMC SB 6/50 FW 801-850 WH	104
			4665.7	PMC SB 5/50 FS U1,V1,W1,N,PE WH	103	4730.7	PMC SB 6/50 FW 851-900 WH	104
			4666.7	PMC SB 5/50 FS U1,V1,W1 WH	103	4731.7	PMC SB 6/50 FW 901-950 WH	104
			4667.7	PMC SB 5/50 FS U2,V2,W2,N,PE WH	103	4732.7	PMC SB 6/50 FW L1,L2,L3,N,PE WH	104
						4733.7	PMC SB 6/50 FW U1,V1,W1,N,PE WH	104
						4734.7	PMC SB 6/50 FW U1,V1,W1 WH	104
						4735.7	PMC SB 6/50 FW U2,V2,W2,N,PE WH	104
						4736.7	PMC SB 6/50 FW U2,V2,W2 WH	104
						4737.7	PMC SB 6/50 FW X1-X10 WH	104
						4738.7	PMC SB 6/50 FS 1-10 WH	104
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						4740.7	PMC SB 6/50 FS 21-30 WH	104

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9036.7	PMC BSTR 5/36 FW X1-X12 WH	107	9109.7	PMC BSTR 6/30 FW 11-20 WH	108	9181.7	PMC BSTR 6/30 GW 5 WH	108
9037.7	PMC BSTR 5/36 FS 1-12 WH	107	9110.7	PMC BSTR 6/30 FW 21-30 WH	108	9182.7	PMC BSTR 6/30 GW 6 WH	108
9038.7	PMC BSTR 5/36 FS 13-24 WH	107	9111.7	PMC BSTR 6/30 FW 31-40 WH	108	9183.7	PMC BSTR 6/30 GW 7 WH	108
9039.7	PMC BSTR 5/36 FS 25-36 WH	107	9112.7	PMC BSTR 6/30 FW 41-50 WH	108	9184.7	PMC BSTR 6/30 GW 8 WH	108
9040.7	PMC BSTR 5/36 FS 37-48 WH	107	9113.7	PMC BSTR 6/30 FW 51-60 WH	108	9185.7	PMC BSTR 6/30 GW 9 WH	108
9041.7	PMC BSTR 5/36 FS 49-60 WH	107	9114.7	PMC BSTR 6/30 FW 61-70 WH	108	9186.7	PMC BSTR 6/30 GW 0 WH	108
9042.7	PMC BSTR 5/36 FS 61-72 WH	107	9115.7	PMC BSTR 6/30 FW 71-80 WH	108	9187.7	PMC BSTR 6/30 GW X WH	108
9043.7	PMC BSTR 5/36 FS 73-84 WH	107	9116.7	PMC BSTR 6/30 FW 81-90 WH	108	9188.7	PMC BSTR 6/30 GW PE WH	108
9044.7	PMC BSTR 5/36 FS 85-96 WH	107	9117.7	PMC BSTR 6/30 FW 91-100 WH	108	9189.7	PMC BSTR 6/30 GW L1 WH	108
9045.7	PMC BSTR 5/36 FS 97-108 WH	107	9118.7	PMC BSTR 6/30 FW 1-30 WH	108	9190.7	PMC BSTR 6/30 GW L2 WH	108
9046.7	PMC BSTR 5/36 FS 109-120 WH	107	9119.7	PMC BSTR 6/30 FW 31-60 WH	108	9191.7	PMC BSTR 6/30 GW L3 WH	108
9047.7	PMC BSTR 5/36 FS 1-36 WH	107	9120.7	PMC BSTR 6/30 FW 61-90 WH	108	9192.7	PMC BSTR 6/30 GW N WH	108
9048.7	PMC BSTR 5/36 FS 37-72 WH	107	9121.7	PMC BSTR 6/30 FW 91-120 WH	108	9193.7	PMC BSTR 6/30 GW + WH	108
9049.7	PMC BSTR 5/36 FS 73-108 WH	107	9122.7	PMC BSTR 6/30 FW 121-150 WH	108	9194.7	PMC BSTR 6/30 GW - WH	108
9050.7	PMC BSTR 5/36 FS 109-144 WH	107	9123.7	PMC BSTR 6/30 FW 151-180 WH	108	9195.7	PMC BSTR 6/30 GS 1 WH	108
9051.7	PMC BSTR 5/36 FS 145-180 WH	107	9124.7	PMC BSTR 6/30 FW 181-210 WH	108	9196.7	PMC BSTR 6/30 GS 2 WH	108
9052.7	PMC BSTR 5/36 FS 181-216 WH	107	9125.7	PMC BSTR 6/30 FW 211-240 WH	108	9197.7	PMC BSTR 6/30 GS 3 WH	108
9053.7	PMC BSTR 5/36 FS 217-252 WH	107	9126.7	PMC BSTR 6/30 FW 241-270 WH	108	9198.7	PMC BSTR 6/30 GS 4 WH	108
9054.7	PMC BSTR 5/36 FS 253-288 WH	107	9127.7	PMC BSTR 6/30 FW 271-300 WH	108	9199.7	PMC BSTR 6/30 GS 5 WH	108
9055.7	PMC BSTR 5/36 FS 289-324 WH	107	9128.7	PMC BSTR 6/30 FW 301-330 WH	108	9200.7	PMC BSTR 6/30 GS 6 WH	108
9056.7	PMC BSTR 5/36 FS 325-360 WH	107	9129.7	PMC BSTR 6/30 FW 331-360 WH	108	9201.7	PMC BSTR 6/30 GS 7 WH	108
9057.7	PMC BSTR 5/36 FS 361-396 WH	107	9130.7	PMC BSTR 6/30 FW 361-390 WH	108	9202.7	PMC BSTR 6/30 GS 8 WH	108
9058.7	PMC BSTR 5/36 FS 397-432 WH	107	9131.7	PMC BSTR 6/30 FW 411-420 WH	108	9203.7	PMC BSTR 6/30 GS 9 WH	108
9059.7	PMC BSTR 5/36 FS 433-468 WH	107	9132.7	PMC BSTR 6/30 FW 421-450 WH	108	9204.7	PMC BSTR 6/30 GS 0 WH	108
9060.7	PMC BSTR 5/36 FS 469-504 WH	107	9133.7	PMC BSTR 6/30 FW 451-480 WH	108	9205.7	PMC BSTR 6/30 GS X WH	108
9061.7	PMC BSTR 5/36 FS 505-540 WH	107	9134.7	PMC BSTR 6/30 FW 481-510 WH	108	9206.7	PMC BSTR 6/30 GS PE WH	108
9062.7	PMC BSTR 5/36 FS 541-576 WH	107	9135.7	PMC BSTR 6/30 FW 511-540 WH	108	9207.7	PMC BSTR 6/30 GS L1 WH	108
9063.7	PMC BSTR 5/36 FS 577-612 WH	107	9136.7	PMC BSTR 6/30 FW 541-570 WH	108	9208.7	PMC BSTR 6/30 GS L2 WH	108
9064.7	PMC BSTR 5/36 FS 613-648 WH	107	9137.7	PMC BSTR 6/30 FW L1,L2,L3,N,PE WH	108	9209.7	PMC BSTR 6/30 GS L3 WH	108
9065.7	PMC BSTR 5/36 FS L1,L2,L3,N,PE WH	107	9138.7	PMC BSTR 6/30 FW U1,V1,W1,N,PE WH	108	9210.7	PMC BSTR 6/30 GS N WH	108
9066.7	PMC BSTR 5/36 FS U1,V1,W1,N,PE WH	107	9139.7	PMC BSTR 6/30 FW U1,V1,W1 WH	108	9211.7	PMC BSTR 6/30 GS - WH	108
9067.7	PMC BSTR 5/36 FS U1,V1,W1 WH	107	9140.7	PMC BSTR 6/30 FW U2,V2,W2,N,PE WH	108	9212.7	PMC SB 6/50 FW 101-110 WH	104
9068.7	PMC BSTR 5/36 FS U2,V2,W2, N, PE WH	107	9141.7	PMC BSTR 6/30 FW U2,V2,W2 WH	108	9213.7	PMC SB 6/50 FW 111-120 WH	104
9069.7	PMC BSTR 5/36 FS U2,V2,W2 WH	107	9142.7	PMC BSTR 6/30 FW X1-X10 WH	108	9214.7	PMC SB 6/50 FW 121-130 WH	104
9070.7	PMC BSTR 5/36 FS X1-X12 WH	107	9143.7	PMC BSTR 6/30 FS 1-10 WH	108	9215.7	PMC SB 6/50 FW 131-140 WH	104
9071.7	PMC BSTR 5/36 GW 1 WH	107	9144.7	PMC BSTR 6/30 FS 11-20 WH	108	9216.7	PMC SB 6/50 FW 141-150 WH	104
9072.7	PMC BSTR 5/36 GW 2 WH	107	9145.7	PMC BSTR 6/30 FS 21-30 WH	108	9217.7	PMC SB 6/50 FW 151-160 WH	104
9073.7	PMC BSTR 5/36 GW 3 WH	107	9146.7	PMC BSTR 6/30 FS 31-40 WH	108	9218.7	PMC SB 6/50 FW 161-170 WH	104
9074.7	PMC BSTR 5/36 GW 4 WH	107	9147.7	PMC BSTR 6/30 FS 41-50 WH	108	9219.7	PMC SB 6/50 FW 171-180 WH	104
9075.7	PMC BSTR 5/36 GW 5 WH	107	9148.7	PMC BSTR 6/30 FS 51-60 WH	108	9220.7	PMC SB 6/50 FW 181-190 WH	104
9076.7	PMC BSTR 5/36 GW 6 WH	107	9149.7	PMC BSTR 6/30 FS 61-70 WH	108	9221.7	PMC SB 6/50 FW 191-200 WH	104
9077.7	PMC BSTR 5/36 GW 7 WH	107	9150.7	PMC BSTR 6/30 FS 71-80 WH	108	9222.7	PMC SB 6/50 FW 201-210 WH	104
9078.7	PMC BSTR 5/36 GW 8 WH	107	9151.7	PMC BSTR 6/30 FS 81-90 WH	108	9223.7	PMC SB 6/50 FW 211-220 WH	104
9079.7	PMC BSTR 5/36 GW 9 WH	107	9152.7	PMC BSTR 6/30 FS 91-100 WH	108	9224.7	PMC SB 6/50 FW 221-230 WH	104
9080.7	PMC BSTR 5/36 GW 0 WH	107	9153.7	PMC BSTR 6/30 FS 1-30 WH	108	9225.7	PMC SB 6/50 FW 231-240 WH	104
9081.7	PMC BSTR 5/36 GW X WH	107	9154.7	PMC BSTR 6/30 FS 31-60 WH	108	9226.7	PMC SB 6/50 FW 241-250 WH	104
9082.7	PMC BSTR 5/36 GW PE WH	107	9155.7	PMC BSTR 6/30 FS 61-90 WH	108	9227.7	PMC SB 6/50 FW 251-260 WH	104
9083.7	PMC BSTR 5/36 GW L1 WH	107	9156.7	PMC BSTR 6/30 FS 91-120 WH	108	9228.7	PMC SB 6/50 FW 261-270 WH	104
9084.7	PMC BSTR 5/36 GW L2 WH	107	9157.7	PMC BSTR 6/30 FS 121-150 WH	108	9229.7	PMC SB 6/50 FW 271-280 WH	104
9085.7	PMC BSTR 5/36 GW L3 WH	107	9158.7	PMC BSTR 6/30 FS 151-180 WH	108	9230.7	PMC SB 6/50 FW 281-290 WH	104
9086.7	PMC BSTR 5/36 GW N WH	107	9159.7	PMC BSTR 6/30 FS 181-210 WH	108	9231.7	PMC SB 6/50 FW 291-300 WH	104
9087.7	PMC BSTR 5/36 GW + WH	107	9160.7	PMC BSTR 6/30 FS 211-240 WH	108	9233.7	PMC SB 6/50 FW 311-320 WH	104
9088.7	PMC BSTR 5/36 GW - WH	107	9161.7	PMC BSTR 6/30 FS 241-270 WH	108	9235.7	PMC SB 6/50 FW 331-340 WH	104
9089.7	PMC BSTR 5/36 GS 1 WH	107	9162.7	PMC BSTR 6/30 FS 271-300 WH	108	9236.7	PMC SB 6/50 FW 341-350 WH	104
9090.7	PMC BSTR 5/36 GS 2 WH	107	9163.7	PMC BSTR 6/30 FS 301-330 WH	108	9238.7	PMC SB 6/50 FW 361-370 WH	104
9091.7	PMC BSTR 5/36 GS 3 WH	107	9164.7	PMC BSTR 6/30 FS 331-360 WH	108	9239.7	PMC SB 6/50 FW 371-380 WH	104
9092.7	PMC BSTR 5/36 GS 4 WH	107	9165.7	PMC BSTR 6/30 FS 361-390 WH	108	9240.7	PMC SB 6/50 FW 381-390 WH	104
9093.7	PMC BSTR 5/36 GS 5 WH	107	9166.7	PMC BSTR 6/30 FS 391-420 WH	108	9241.7	PMC SB 6/50 FW 391-400 WH	104
9094.7	PMC BSTR 5/36 GS 6 WH	107	9167.7	PMC BSTR 6/30 FS 421-450 WH	108	9242.7	PMC SB 6/50 FW 401-410 WH	104
9095.7	PMC BSTR 5/36 GS 7 WH	107	9168.7	PMC BSTR 6/30 FS 451-480 WH	108	9243.7	PMC SB 6/50 FW 411-420 WH	104
9096.7	PMC BSTR 5/36 GS 8 WH	107	9169.7	PMC BSTR 6/30 FS 481-510 WH	108	9244.7	PMC SB 6/50 FW 421-430 WH	104
9097.7	PMC BSTR 5/36 GS 9 WH	107	9170.7	PMC BSTR 6/30 FS 511-540 WH	108	9245.7	PMC SB 6/50 FW 431-440 WH	104
9098.7	PMC BSTR 5/36 GS 0 WH	107	9171.7	PMC BSTR 6/30 FS U1,L2,L3,N,PE WH	108	9246.7	PMC SB 6/50 FW 441-450 WH	104
9099.7	PMC BSTR 5/36 GS X WH	107	9172.7	PMC BSTR 6/30 FS U1,V1,W1,N,PE WH	108	9247.7	PMC SB 6/50 FW 451-460 WH	104
9100.7	PMC BSTR 5/36 GS PE WH	107	9173.7	PMC BSTR 6/30 FS U1,V1,W1 WH	108	9248.7	PMC SB 6/50 FW 461-470 WH	104
9101.7	PMC BSTR 5/36 GS L1 WH	107	9174.7	PMC BSTR 6/30 FS U2,V2,W2,N,PE WH	108	9249.7	PMC SB 6/50 FW 471-480 WH	104
9102.7	PMC BSTR 5/36 GS L2 WH	107	9175.7	PMC BSTR 6/30 FS U2,V2,W2 WH	108	9250.7	PMC SB 6/50 FW 481-490 WH	104
9103.7	PMC BSTR 5/36 GS L3 WH	107	9176.7	PMC BSTR 6/30 FS X1-X10 WH	108	9251.7	PMC SB 6/50 FW 491-500 WH	104
9104.7	PMC BSTR 5/36 GS N WH	107	9177.7	PMC BSTR 6/30 GW 1 WH	108	9252.7	PMC SB 6/50 FW 501-510 WH	104
9105.7	PMC BSTR 5/36 GS - WH	107	9178.7	PMC BSTR 6/30 GW 2 WH	108	9253.7	PMC SB 6/50 FW 511-520 WH	104
9106.7	PMC BSTR 6/30 WH	99 108	9179.7	PMC BSTR 6/30 GW 3 WH	108	9254.7	PMC SB 6/50 FW 521-530 WH	104
9107.7	PMC BSTR 6/30 So WH	108				9255.7	PMC SB 6/50 FW 531-540 WH	104
						9256.7	PMC SB 6/50 FW 541-550 WH	104
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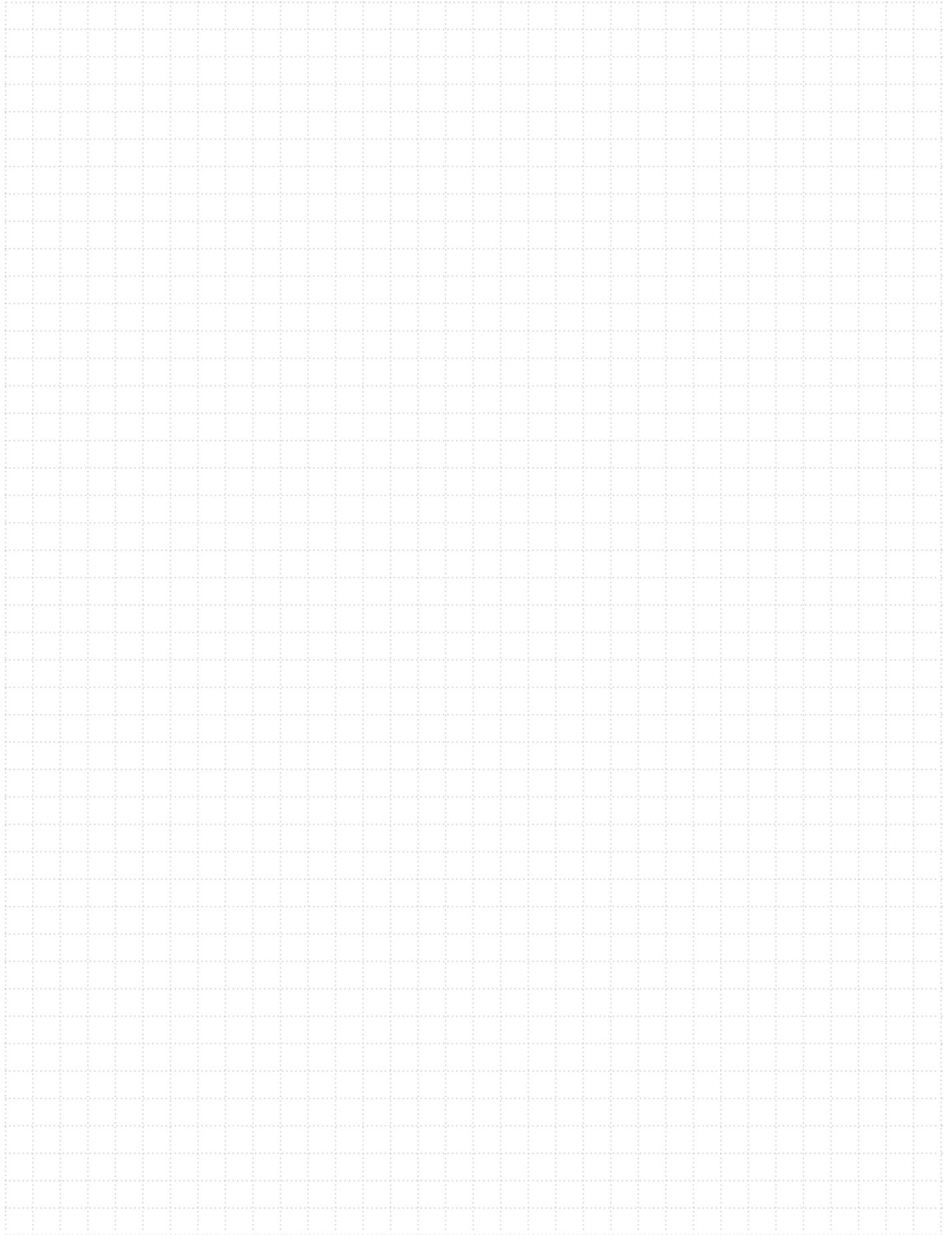
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9258.7	PMC SB 6/50 FW 561-570 WH	104	9420.7	PMC BSTR 8x12/21 FW 1-105 WH	109	9478.0007	SB 8/8 GW 7 WH	116
9259.7	PMC SB 6/50 FW 571-580 WH	104	9421.7	PMC BSTR 8x12/21 FW 106-210 WH	109	9478.0008	SB 8/8 GW 8 WH	116
9260.7	PMC SB 6/50 FW 581-590 WH	104	9422.7	PMC BSTR 8x12/21 FW L1,L2,L3,N,PE WH	109	9478.0009	SB 8/8 GW 9 WH	116
9261.7	PMC SB 6/50 FW 591-600 WH	104	9423.7	PMC BSTR 8x12/21 FS 1-21 WH	109	9478.0010	SB 8/8 GW X WH	116
9262.7	PMC SB 6/50 FS 101-110 WH	104	9424.7	PMC BSTR 8x12/21 FS 22-42 WH	109	9478.0011	SB 8/8 GW PE WH	116
9263.7	PMC SB 6/50 FS 111-120 WH	104	9425.7	PMC BSTR 8x12/21 FS 43-63 WH	109	9478.0012	SB 8/8 GW L1 WH	116
9264.7	PMC SB 6/50 FS 121-130 WH	104	9426.7	PMC BSTR 8x12/21 FS 64-84 WH	109	9478.0013	SB 8/8 GW L2 WH	116
9265.7	PMC SB 6/50 FS 131-140 WH	104	9427.7	PMC BSTR 8x12/21 FS 84-105 WH	109	9478.0014	SB 8/8 GW L3 WH	116
9266.7	PMC SB 6/50 FS 141-150 WH	104	9428.7	PMC BSTR 8x12/21 FS 1-42 WH	109	9478.0015	SB 8/8 GW N WH	116
9267.7	PMC SB 6/50 FS 151-160 WH	104	9429.7	PMC BSTR 8x12/21 FS 43-84 WH	109	9478.0016	SB 8/8 GW + WH	116
9268.7	PMC SB 6/50 FS 161-170 WH	104	9430.7	PMC BSTR 8x12/21 FS 1-105 WH	109	9478.0017	SB 8/8 GW - WH	116
9269.7	PMC SB 6/50 FS 171-180 WH	104	9431.7	PMC BSTR 8x12/21 FS 106-210 WH	109	9479.0000	SB 8/8 GS 0 WH	117
9270.7	PMC SB 6/50 FS 181-190 WH	104	9432.7	PMC BSTR 8x12/21 FS L1,L2,L3,N,PE WH	109	9479.0001	SB 8/8 GS 1 WH	117
9271.7	PMC SB 6/50 FS 191-200 WH	104	9433.7	PMC BSTR 10x12/10 WH	110	9479.0002	SB 8/8 GS 2 WH	117
9272.7	PMC SB 6/50 FS 201-210 WH	104	9434.7	PMC BSTR 10x12/10 So WH	110	9479.0003	SB 8/8 GS 3 WH	117
9273.7	PMC SB 6/50 FS 211-220 WH	104	9436.7	PMC BSTR 10x12/10 FW 1-10 WH	110	9479.0004	SB 8/8 GS 4 WH	117
9274.7	PMC SB 6/50 FS 221-230 WH	105	9437.7	PMC BSTR 10x12/10 FW 11-20 WH	110	9479.0005	SB 8/8 GS 5 WH	117
9275.7	PMC SB 6/50 FS 231-240 WH	105	9438.7	PMC BSTR 10x12/10 FW 21-30 WH	110	9479.0006	SB 8/8 GS 6 WH	117
9276.7	PMC SB 6/50 FS 241-250 WH	105	9439.7	PMC BSTR 10x12/10 FW 31-40 WH	110	9479.0007	SB 8/8 GS 7 WH	117
9277.7	PMC SB 6/50 FS 251-260 WH	105	9440.7	PMC BSTR 10x12/10 FW 41-50 WH	110	9479.0008	SB 8/8 GS 8 WH	117
9278.7	PMC SB 6/50 FS 261-270 WH	105	9441.7	PMC BSTR 10x12/10 FW 1-40 WH	110	9479.0009	SB 8/8 GS 9 WH	117
9279.7	PMC SB 6/50 FS 271-280 WH	105	9442.7	PMC BSTR 10x12/10 FW 41-80 WH	110	9479.0010	SB 8/8 GS X WH	117
9280.7	PMC SB 6/50 FS 281-290 WH	105	9443.7	PMC BSTR 10x12/10 FW 81-120 WH	110	9479.0011	SB 8/8 GS PE WH	117
9281.7	PMC SB 6/50 FS 291-300 WH	105	9444.7	PMC BSTR 10x12/10 FW 1-100 WH	110	9479.0012	SB 8/8 GS L1 WH	117
9286.7	PMC SB 8/40 FS 1-40 WH	106	9445.7	PMC BSTR 10x12/10 FW L1,L2,L3,N,PE WH	110	9479.0013	SB 8/8 GS L2 WH	117
9287.7	PMC SB 8/40 FS 41-80 WH	106	9446.7	PMC BSTR 10x12/10 FS 1-10 WH	110	9479.0014	SB 8/8 GS L3 WH	117
9288.7	PMC SB 8/40 FS 81-120 WH	106	9447.7	PMC BSTR 10x12/10 FS 11-20 WH	110	9479.0015	SB 8/8 GS N WH	Ka
9289.7	PMC SB 8/40 FW 1-40 WH	106	9448.7	PMC BSTR 10x12/10 FS 21-30 WH	110	9479.0016	SB 8/8 GS + WH	117
9290.7	PMC SB 8/40 FW 41-80 WH	106	9449.7	PMC BSTR 10x12/10 FS 31-40 WH	110	9479.0017	SB 8/8 GS - WH	117
9291.7	PMC SB 8/40 FW 81-120 WH	106	9450.7	PMC BSTR 10x12/10 FS 41-50 WH	110	9480.0001	SB 8/8 FW X1;Y1;Z1 WH	116
9292.7	PMC SB 8/40 FW 1-8 WH	106	9451.7	PMC BSTR 10x12/10 FS 1-40 WH	110	9480.0002	SB 8/8 FW X2;Y2;Z2 WH	116
9293.7	PMC SB 8/40 FW 9-16 WH	106	9452.7	PMC BSTR 10x12/10 FS 41-80 WH	110	9480.0003	SB 8/8 FW X3;Y3;Z3 WH	116
9294.7	PMC SB 8/40 FW 17-24 WH	106	9453.7	PMC BSTR 10x12/10 FS 81-120 WH	110	9480.0004	SB 8/8 FW X4;Y4;Z4 WH	116
9295.7	PMC SB 8/40 FW 25-32 WH	106	9454.7	PMC BSTR 10x12/10 FS 1-100 WH	110	9480.0005	SB 8/8 FW X5;Y5;Z5 WH	116
9296.7	PMC SB 8/40 FW 33-40 WH	106	9455.7	PMC BSTR 10x12/10 FS L1,L2,L3,N,PE WH	110	9480.0006	SB 8/8 FW X6;Y6;Z6 WH	116
9297.7	PMC SB 8/40 FW 41-48 WH	106	9476.0001	SB 8/8 FW 1-8 WH	116	9480.0007	SB 8/8 FW X7;Y7;Z7 WH	116
9298.7	PMC SB 8/40 FW 57-64 WH	106	9476.0002	SB 8/8 FW 9-16 WH	116	9480.0008	SB 8/8 FW X8;Y8;Z8 WH	116
9299.7	PMC SB 8/40 FW 65-72 WH	106	9476.0003	SB 8/8 FW 17-24 WH	116	9480.0009	SB 8/8 FW X9;Y9;Z9 WH	116
9300.7	PMC SB 8/40 FW 73-80 WH	106	9476.0004	SB 8/8 FW 25-32 WH	116	9480.0010	SB 8/8 FW X10;Y10;Z10 WH	116
9301.7	PMC SB 8/40 FW 81-88 WH	106	9476.0005	SB 8/8 FW 33-40 WH	116	9480.0011	SB 8/8 FW R1;S1;T1 WH	116
9302.7	PMC SB 8/40 FW 89-96 WH	106	9476.0006	SB 8/8 FW 41-48 WH	116	9480.0012	SB 8/8 FW R2;S2;T2 WH	116
9303.7	PMC SB 8/40 FW 97-104 WH	106	9476.0007	SB 8/8 FW 49-56 WH	116	9480.0013	SB 8/8 FW R3;S3;T3 WH	116
9304.7	PMC SB 8/40 FW 105-112 WH	106	9476.0008	SB 8/8 FW 57-64 WH	116	9480.0014	SB 8/8 FW R4;S4;T4 WH	116
9305.7	PMC SB 8/40 FW 49-56 WH	106	9476.0009	SB 8/8 FW 65-72 WH	116	9480.0015	SB 8/8 FW R5;S5;T5 WH	116
9306.7	PMC SB 8/40 FW 113-120 WH	106	9476.0010	SB 8/8 FW 73-80 WH	116	9480.0016	SB 8/8 FW R6;S6;T6 WH	116
9307.7	PMC SB 8/40 FS 1-8 WH	106	9476.0011	SB 8/8 FW 81-88 WH	116	9480.0017	SB 8/8 FW R7;S7;T7 WH	116
9308.7	PMC SB 8/40 FS 9-16 WH	106	9476.0012	SB 8/8 FW 89-96 WH	116	9480.0018	SB 8/8 FW R8;S8;T8 WH	116
9309.7	PMC SB 8/40 FS 17-24 WH	106	9476.0013	SB 8/8 FW 97-104 WH	116	9480.0019	SB 8/8 FW R9;S9;T9 WH	116
9310.7	PMC SB 8/40 FS 25-32 WH	106	9476.0014	SB 8/8 FW 105-112 WH	116	9480.0020	SB 8/8 FW R10;S10;T10 WH	116
9311.7	PMC SB 8/40 FS 33-40 WH	106	9476.0015	SB 8/8 FW 113-120 WH	116	9480.0021	SB 8/8 FW U1;V1;W1 WH	116
9312.7	PMC SB 8/40 FS 41-48 WH	106	9477.0001	SB 8/8 FS 1-8 WH	116	9480.0022	SB 8/8 FW U2;V2;W2 WH	116
9313.7	PMC SB 8/40 FS 49-56 WH	106	9477.0002	SB 8/8 FS 9-16 WH	116	9480.0023	SB 8/8 FW U3;V3;W3 WH	116
9314.7	PMC SB 8/40 FS 57-64 WH	106	9477.0003	SB 8/8 FS 17-24 WH	116	9480.0024	SB 8/8 FW U4;V4;W4 WH	116
9315.7	PMC SB 8/40 FS 65-72 WH	106	9477.0004	SB 8/8 FS 25-32 WH	116	9480.0025	SB 8/8 FW U5;V5;W5 WH	116
9316.7	PMC SB 8/40 FS 73-80 WH	106	9477.0005	SB 8/8 FS 33-40 WH	116	9480.0026	SB 8/8 FW U6;V6;W6 WH	116
9317.7	PMC SB 8/40 FS 81-88 WH	106	9477.0006	SB 8/8 FS 41-48 WH	116	9480.0027	SB 8/8 FW U7;V7;W7 WH	116
9318.7	PMC SB 8/40 FS 89-96 WH	106	9477.0007	SB 8/8 FS 49-56 WH	116	9480.0028	SB 8/8 FW U8;V8;W8 WH	116
9319.7	PMC SB 8/40 FS 97-104 WH	106	9477.0008	SB 8/8 FS 57-64 WH	116	9480.0029	SB 8/8 FW U9;V9;W9 WH	116
9320.7	PMC SB 8/40 FS 105-112 WH	106	9477.0009	SB 8/8 FS 65-72 WH	116	9480.0030	SB 8/8 FW U10;V10;W10 WH	116
9321.7	PMC SB 8/40 FS 113-120 WH	106	9477.0010	SB 8/8 FS 73-80 WH	116	9481.0001	SB 8/8 FW U;V;W;N;PE WH	116
9322.7	PMC SB 8/40 So WH	106	9477.0011	SB 8/8 FS 81-88 WH	116	9481.0002	SB 8/8 FW R;S;T;N;Earth with circle WH	116
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9325.7	PMC BSTR 5/36 MI So WH	107	9477.0014	SB 8/8 FS 105-112 WH	116	9482.0001	SB 8/8 FS X1;Y1;Z1 WH	116
9326.7	PMC SB 7.5/40 WH	105	9477.0015	SB 8/8 FS 113-120 WH	116	9482.0002	SB 8/8 FS X2;Y2;Z2 WH	116
9410.7	PMC BSTR 8x12/21 WH	109	9478.0000	SB 8/8 GW 0 WH	116	9482.0003	SB 8/8 FS X3;Y3;Z3 WH	116
9411.7	PMC BSTR 8x12/21 So WH	109	9478.0001	SB 8/8 GW 1 WH	116	9482.0004	SB 8/8 FS X4;Y4;Z4 WH	116
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9414.7	PMC BSTR 8x12/21 FW 22-42 WH	109	9478.0003	SB 8/8 GW 3 WH	116	9482.0006	SB 8/8 FS X6;Y6;Z6 WH	116
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Otto-Hahn-Str. 7
D-33161 Hövelhof,
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Phone +49 (0) 5257 9833-0 info@conta-clip.com
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