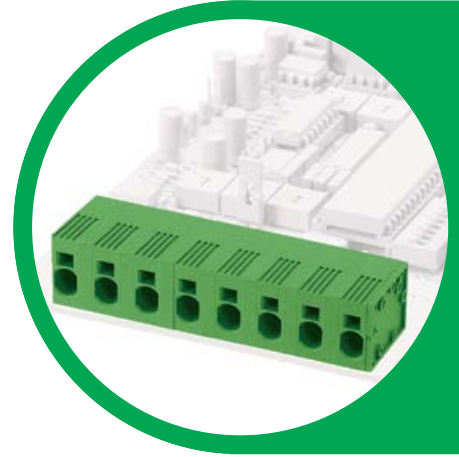


CONTA-CON

# PCB terminals and connectors



Catalogue 10

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## CONTA-CLIP – Thinking ahead with connection technology

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

Users of electrical and electronic connection systems trust 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 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 are 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 and into modern, efficient manufacturing processes.

High quality standards throughout all departments are our top 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, CONTA-CABLE 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.

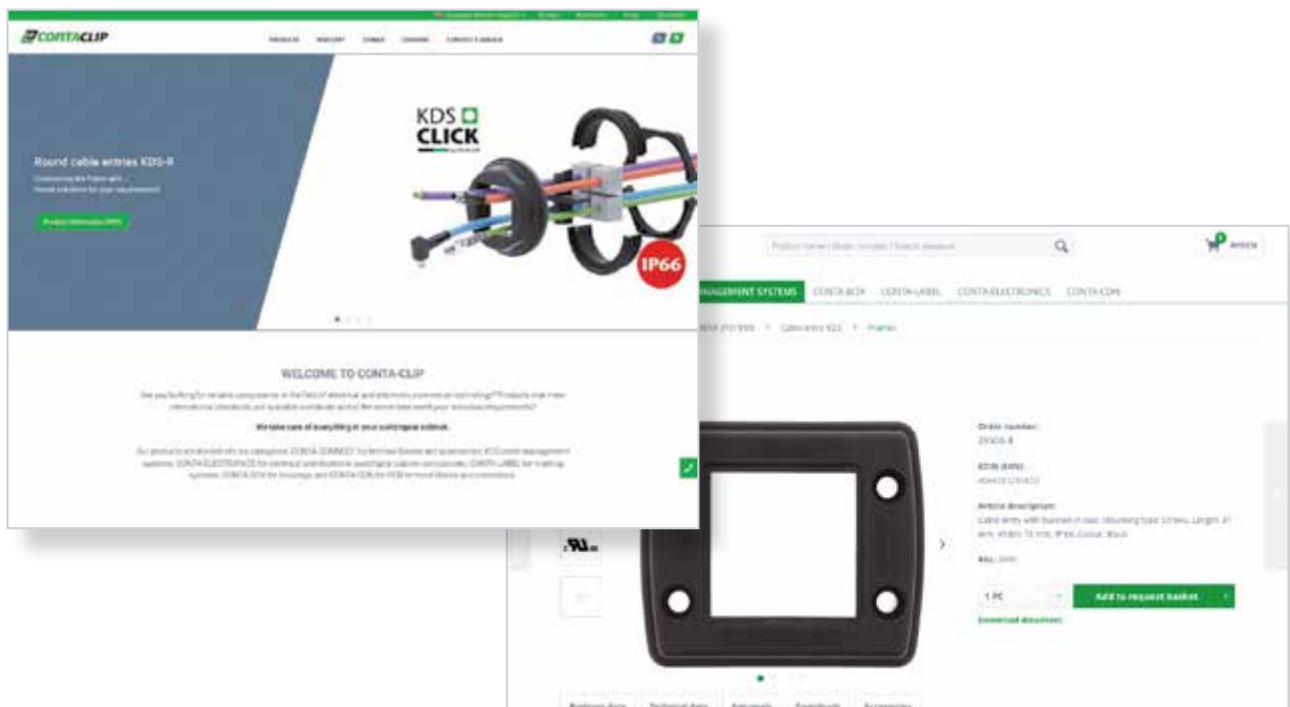
**Application films:** Complex functions be explained easily and clearly with sounds and images.

**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
- South Africa

## Our locations in Asia

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

## Our locations in Oceania

- Australia
- New Zealand

## Our locations in Europe

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

- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Ukraine

## Our locations in North America

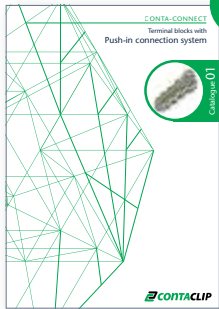
- Canada
- Mexico
- United States

## 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 mm<sup>2</sup> to 25 mm<sup>2</sup>.



Cat. no. 98070.2



### 02 CONTA-CONNECT

#### Terminal blocks with screw connection system and special purpose terminals

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



Cat. no. 98071.2



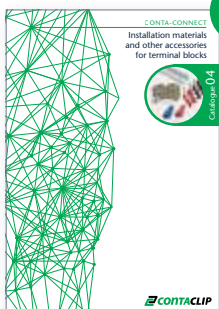
### 03 CONTA-CONNECT

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

Our versatile line of terminals with tension spring connections for conductor cross-sections from 0.2 mm<sup>2</sup> to 16 mm<sup>2</sup> includes: the ZRK/ZSL series of feed-through and PE terminals, the double-level ZRKD/ZSLD, the ZIKD three-level terminal blocks, motor-connection terminals, (blade-) disconnect terminals, fused terminals, direct-mount terminals, and initiator/actuator terminals for transmitting positioning, encoder and alert signals.



Cat. no. 98072.2



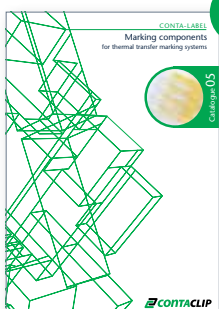
### 04 CONTA-CONNECT

#### Installation materials and other accessories for terminal blocks

Our installation products include cabling ducts, assembly tools, cable glands with metric or PG threads, DIN rails, rail 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

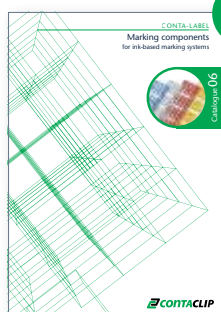
#### Marking components for thermal-transfer marking systems

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

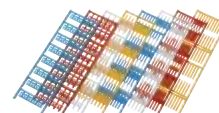
Our catalogues are available in many languages!



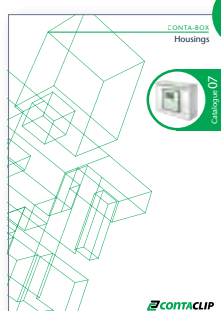
**06 CONTA-LABEL**

**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 Maxi-Card 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-Maxi-Card format.



Cat. no. 98075.2



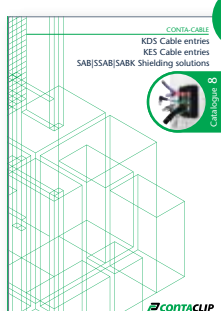
**07 CONTA-BOX**

**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



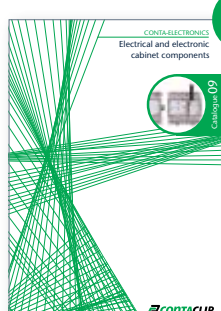
**08 CONTA-CABLE**

**KDS cable entries, KES cable entries, SAB|SSAB|SABK shielding solutions**

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



Cat. no. 98077.2



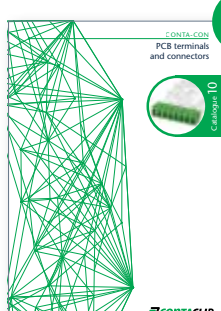
**09 CONTA-ELECTRONICS**

**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.



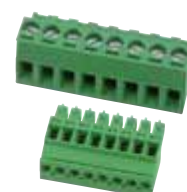
Cat. no. 98078.2



**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 terminations. This product range is supplemented by the modular feed-through terminals of the SDK series.



Cat. no. 98079.2

# Wire connection types



**Screw wire-connect system**  
Wire-protected design

The wire-protected design is a user-based, cost-effective alternative to the clamping yoke design. The wire guard prevents the wire from shearing and being pushed away.



**Screw wire-connect system**  
Clamping yoke design

The rising clamp design applies indirect pressure on the wire via the screw and clamping yoke, thus pressing the wire against the busbar (soldering lug). The required contact force is generated by the torque applied to the screw. This system provides a gas-tight vibration-proof connection between the conductor and the internal busbar. This creates increasing thread friction and results automatically in a stronger grip on the conductor. The increased torque is generated by an elastic distortion of the terminal body.



**Eccentric top wire-connect system**  
Eccentric top design

In the eccentric top design, the wire is guided into the clamping point parallel to the screwdriver in the viewing direction. For certain mounting conditions (e.g. with minimal lateral gaps in mounting frames), this system offers the operator very good access to the wire connection level. This wire connection system normally comes with two soldering lugs.

## Ordering information for standard PCB terminals

<b>PK</b>	<b>100 / 12 / 5,08</b>	<b>V</b>	<b>F</b>	Colour name	
Series name	No. of poles	Pitch in mm	Direction of wire connection	Additional information	Colour code
PK   PKZ   PKD   PKDR   PKDL   PZK   PKT   PBK   PBKZ   PKB   PKBZ   IPKBZ   PZB   PBT   STL   PK-TS   PFB   PFBZ   ISTLZ   STLZ			V = vertical screw / plug-in direction H = horizontal screw / plug-in direction	F = with flange G = With side wall KD = with blade pusher FD = with finger pusher WD = with angle pusher VP = with staggered pins BL = block design BR = with internal bridging HC = high-current version	Will be mentioned whenever the colour deviates from the standard colour green.



## Pitch dimensions



### Tension-spring connection The tension-spring design

The tension spring functions in a manner similar to the conventional clamping yoke. The tension spring also separates the mechanical and electrical functions. The tension spring is made of high-quality, rust- and acid-resistant steel. It pulls the wire against the galvanized copper busbar. Low contact resistance and high corrosion resistance are enabled by the tin surface of the busbar. These are maintained over a long duration due to the compensatory effect.



### Push-in wire connection Push-in termination

Using the Push-in design, it is possible to insert solid conductors or finely stranded wires with wire-end ferrules directly into the clamping point. The Push-in spring contacts the wire against the busbar. The pusher must be actuated when connecting finely stranded wires without ferrules or when disconnecting the wires.

#### metric

	2.50 mm
	3.50 mm
	4.00 mm
	5.00 mm
	7.00 mm
	7.50 mm
	10.00 mm
	11.50 mm
	15.00 mm

#### Inches

	2.54 mm
	3.81 mm
	5.08 mm
	6.35 mm
	7.62 mm
	9.52 mm
	10.16 mm

## Approvals



EN 60998  
EN 61984



UL 1059  
CSA 22.2 No. 158

When developing terminal blocks and plug-in connectors, CONTA-CLIP considers all relevant up-to-date standards and regulations.

Three standards are used for VDE approval:

- Screw and screwless terminal standards: EN 60998-1, EN 60998-2-1, EN 60998-2-2
- Screw and screwless plug-in connector standard: EN 60947-7-4
- Screw and screwless plug-in connector standard: EN 61984

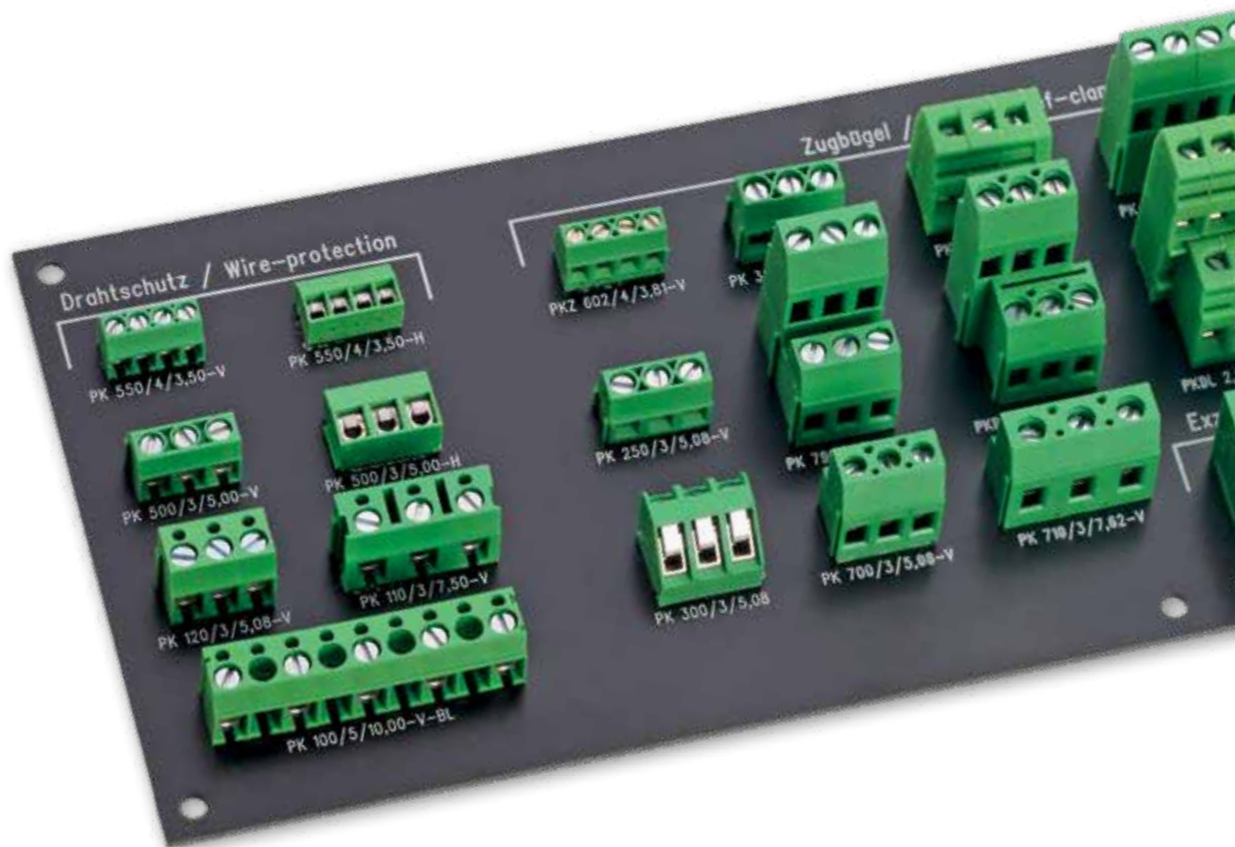
For cURus approval, the following standards have been applied for both terminal blocks and plug-in connectors: UL 1059, UL 1977 and CSA 22.2 No. 158. The cURus symbol indicates that the safety requirements have been met for both the Canadian and the US market.

In addition, EN 60664-1/VDE 0110-1 is the foundation for the insulation coordination for equipment in low-voltage systems. This generally applies to equipment used up to an altitude of 2,000 metres above sea level; at an altitude above 2,000 metres above sea level, altitude correction factors must be applied.

# PCB terminals

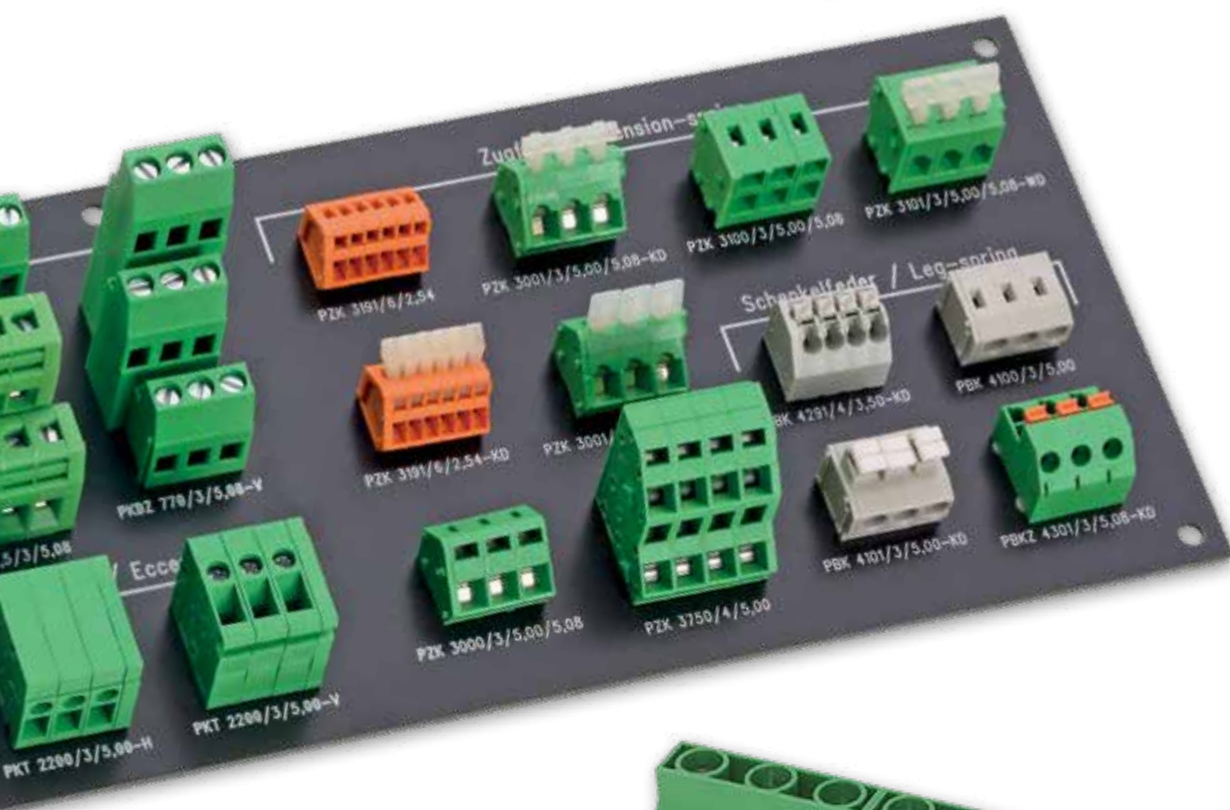
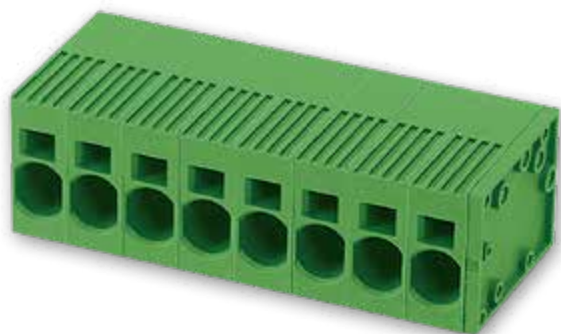
Solder-on PCB terminals or terminal blocks are used to connect stranded wires to components or circuits on the printed circuit board. Our large range of PCB terminal blocks covers all types of wire connections. It includes spring termination based on tension spring or Push-in design, as well as screw terminal, wire protection, eccentric top and clamping yoke designs. The choice of the appropriate type of wire termination depends on the environmental conditions to which the printed circuit board will be exposed in the end application. The Push-in or tension-spring design is particularly suitable for reliable contacting where there are vibrations, corrosive influences and strong temperature fluctuations. Depending on the variant, the springs can be actuated using

a screwdriver, actuating tool or actuating lever. Our terminal block series are distinguished by either an expandable or fixed block design. The modular design of the PCB terminal blocks enables dovetail connections. These can be made up of 2-pole and 3-pole individual terminal blocks according to your requirements and application. Thus, you can assemble higher pole-count terminals which provide a clear advantage for reduced inventory. Alternatively, we offer product series in fixed-block (up to 12-pole block) design, which simplifies the configuration of more extensive applications. The materials we use guarantee a permanently high clamping force and good electrical values.




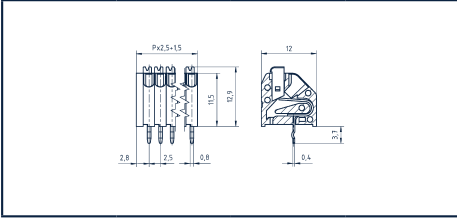
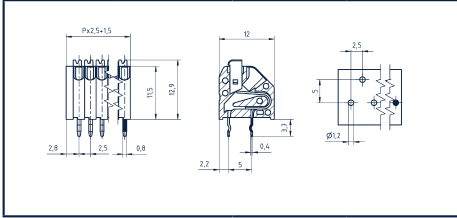


## Features

- Push-in, tension-spring or screw-connection wire termination systems
- Wire cross-section up to 6 mm<sup>2</sup>
- Material: PA 6.6 UL 94 V-0
- Up to 24 poles
- Good electrical and mechanical characteristics



# Push-in terminals

Terminals	PBK 4191/.../2.50-KD	PBK 4191/.../2.50-KDVP																																																																														
 <p>2.50 mm</p>																																																																																
<b>Diagrams</b>																																																																																
<b>Connection type</b>	Push-in	Push-in																																																																														
<b>Dimensions</b>																																																																																
Pitch, mm	2.50	2.50																																																																														
Stripping length, mm	9.00	9.00																																																																														
Drill hole diameter, mm	1.20	1.20																																																																														
<b>Cross-section</b>																																																																																
Solid (rigid) mm <sup>2</sup>	0.14-0.75	0.14-0.75																																																																														
Finely stranded (flexible) mm <sup>2</sup>	0.14-0.75	0.14-0.75																																																																														
Flexible (with wire-end ferrule) mm <sup>2</sup>	0.14-0.34	0.14-0.34																																																																														
<b>Ratings</b>																																																																																
<b>User group</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">cULus*</th> <th style="text-align: center;">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">150</td> <td></td> <td style="text-align: center;">150</td> <td></td> <td style="text-align: center;">130</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">III</td> </tr> </tbody> </table>	cULus*				VDE*	B	C	D			150		150		130	2		2		2					III	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">cULus*</th> <th style="text-align: center;">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">150</td> <td></td> <td style="text-align: center;">150</td> <td></td> <td style="text-align: center;">250</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">III</td> </tr> </tbody> </table>	cULus*				VDE*	B	C	D			150		150		250	2		2		2					III																												
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Oversoltage category																																																																																
Max. cross-section AWG / mm <sup>2</sup>	26-20	26-20	0.20-0.75	26-20	26-20	0.20-0.75																																																																										
Rated surge voltage (kV)	1.30		1.30	1.25	1.30	1.30	1.25																																																																									
Torque NM / Screw size																																																																																
Contamination degree			3				3																																																																									
<b>Material</b>																																																																																
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		PA 6.6 / UL 94 V-0																																																																													
Temperature range	-40 °C / +105 °C		-40 °C / +105 °C																																																																													
Contact pin	Bronze		Bronze																																																																													
Spring																																																																																
Soldering lug	Copper alloy		Copper alloy																																																																													
<b>Wave soldering process</b>																																																																																
Recommended wave soldering temperature	260 °C		260 °C																																																																													
Recommended wave soldering time, min. / max.	3 / 4 s		3 / 4 s																																																																													
<b>Order information</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> <tr> <td></td> <td style="text-align: center;">● (RAL 7032)</td> <td></td> </tr> </thead> <tbody> <tr><td>2</td><td>14552.0</td><td>50</td></tr> <tr><td>3</td><td>14553.0</td><td>50</td></tr> <tr><td>4</td><td>14554.0</td><td>50</td></tr> <tr><td>5</td><td>14555.0</td><td>50</td></tr> <tr><td>6</td><td>14556.0</td><td>50</td></tr> <tr><td>7</td><td>14557.0</td><td>50</td></tr> <tr><td>8</td><td>14558.0</td><td>50</td></tr> <tr><td>9</td><td>14559.0</td><td>50</td></tr> <tr><td>10</td><td>14560.0</td><td>50</td></tr> <tr><td>11</td><td>14561.0</td><td>50</td></tr> <tr><td>12</td><td>14562.0</td><td>50</td></tr> </tbody> </table>	No. of poles	Cat. no.	Qty.		● (RAL 7032)		2	14552.0	50	3	14553.0	50	4	14554.0	50	5	14555.0	50	6	14556.0	50	7	14557.0	50	8	14558.0	50	9	14559.0	50	10	14560.0	50	11	14561.0	50	12	14562.0	50	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> <tr> <td></td> <td style="text-align: center;">● (RAL 7032)</td> <td></td> </tr> </thead> <tbody> <tr><td>2</td><td>14572.0</td><td>50</td></tr> <tr><td>3</td><td>14573.0</td><td>50</td></tr> <tr><td>4</td><td>14574.0</td><td>50</td></tr> <tr><td>5</td><td>14575.0</td><td>50</td></tr> <tr><td>6</td><td>14576.0</td><td>50</td></tr> <tr><td>7</td><td>14577.0</td><td>50</td></tr> <tr><td>8</td><td>14578.0</td><td>50</td></tr> <tr><td>9</td><td>14579.0</td><td>50</td></tr> <tr><td>10</td><td>14580.0</td><td>50</td></tr> <tr><td>11</td><td>14581.0</td><td>50</td></tr> <tr><td>12</td><td>14582.0</td><td>50</td></tr> </tbody> </table>	No. of poles	Cat. no.	Qty.		● (RAL 7032)		2	14572.0	50	3	14573.0	50	4	14574.0	50	5	14575.0	50	6	14576.0	50	7	14577.0	50	8	14578.0	50	9	14579.0	50	10	14580.0	50	11	14581.0	50	12	14582.0	50
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<b>Accessories</b>																																																																																
Labelling	Refer to page 186.	Refer to page 186.																																																																														

**Terminals**



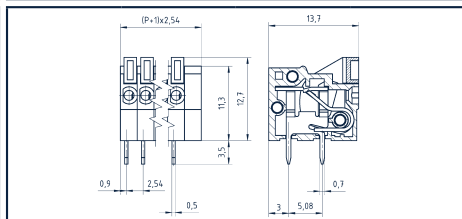
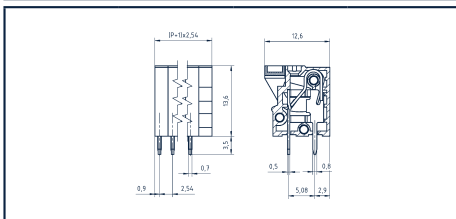
**PBKZ 4791/.../2.54-V-KD**



**PBKZ 4791/.../2.54-H-KD**



**Diagrams**



**Connection type**

Push-in

Push-in

**Dimensions**

Pitch mm  
Stripping length mm  
Drill hole diameter mm

2.54  
10.00  
2 x 1.20

2.54  
10.00  
2 x 1.20

**Cross-section**

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-0.75  
0.14-0.75  
0.14

0.14-0.75  
0.14-0.75  
0.14

**Ratings**

**User group**

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

cULus*			VDE*
B	C	D	
150			130
6			9
			III
26-18			0.20-0.75
1.30			1.25
			3

cULus*			VDE*
B	C	D	
150			130
6			9
			III
26-18			0.20-0.75
1.30			1.25
			3

**Material**

Insulation material / Flammability class  
Temperature range  
Contact pin  
Spring  
Soldering lug

PBT / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PBT / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

**Wave soldering process**

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

**Order information**

Standard colour(s)  
Other colours on request.  
Terminal without end plate  
Terminal with end plate

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14592.1	50
3	14593.1	50
4	14594.1	50
5	14595.1	50
6	14596.1	50
7	14597.1	50
8	14598.1	50
9	14599.1	50
10	14600.1	50
11	14601.1	50
12	14602.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14612.1	50
3	14613.1	50
4	14614.1	50
5	14615.1	50
6	14616.1	50
7	14617.1	50
8	14618.1	50
9	14619.1	50
10	14620.1	50
11	14621.1	50
12	14622.1	50

**Accessories**




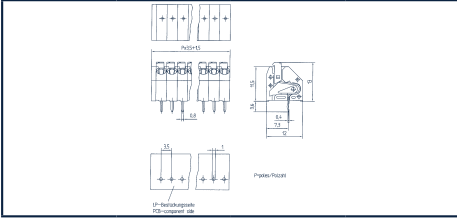
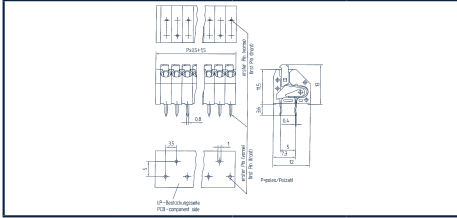


Labelling

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Push-in terminals

Terminals	PBK 4291/.../3.50-KD	PBK 4291/.../3.50-KDVP
		
Diagrams		
Connection type	Push-in	Push-in
Dimensions		
Pitch, mm	3.50	3.50
Stripping length, mm	9.00	9.00
Drill hole diameter, mm	1.00	1.00
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.08-1.50	0.08-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.00	0.14-1.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.50	0.14-0.50
Ratings	cULus 	cULus 
User group	B C D	B C D
Rated voltage (V)	300	300
Rated current (A)	6	6
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	22-16	22-16
Rated surge voltage (kV)	1.60	1.60
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin		
Soldering lug	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information	No. of poles Cat. no. Qty.	No. of poles Cat. no. Qty.
Standard colour(s)	● (RAL 7032)	● (RAL 7032)
Other colours on request.		
	2 13286.0 50	2 13310.0 50
	3 13287.0 50	3 13311.0 50
	4 13288.0 50	4 13312.0 50
	5 13289.0 50	5 13313.0 50
	6 13290.0 50	6 13314.0 50
	7 13291.0 50	7 13315.0 50
	8 13292.0 50	8 13316.0 50
	9 13293.0 50	9 13317.0 50
	10 13294.0 50	10 13318.0 50
	11 13295.0 50	11 13319.0 50
	12 13296.0 50	12 13320.0 50
	13 13297.0 50	13 13321.0 50
	14 13298.0 50	14 13322.0 50
	15 13299.0 50	15 13323.0 50
	16 13300.0 50	16 13324.0 50
	17 13301.0 50	17 13325.0 50
	18 13302.0 50	18 13326.0 50
	19 13303.0 50	19 13327.0 50
	20 13304.0 50	20 13328.0 50
	21 13305.0 50	21 13329.0 50
	22 13306.0 50	22 13330.0 50
	23 13307.0 50	23 13331.0 50
	24 13308.0 50	24 13332.0 50
Accessories		
Labelling	Refer to page 186.	Refer to page 186.

Terminals



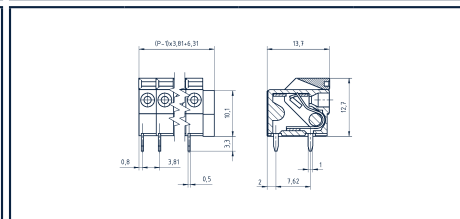
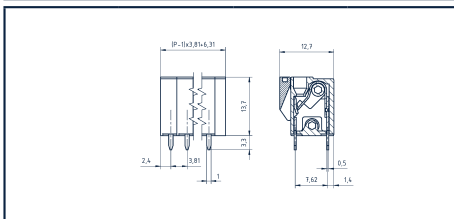
PBKZ 4701/.../3.81-V-KD



PBKZ 4701/.../3.81-H-KD



Diagrams



Connection type	Push-in	Push-in
<b>Dimensions</b>		
Pitch, mm	3.81	3.81
Stripping length, mm	10.00	10.00
Drill hole diameter, mm	2 x 1.40	2 x 1.40

Cross-section		
Solid (rigid) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.34	0.14-0.34

Ratings	cULus*			VDE*	cULus*			VDE*
	B	C	D		B	C	D	
<b>User group</b>								
Rated voltage (V)	300		300	130	300		300	130
Rated current (A)	6		6	12	6		6	12
Oversoltage category				III				III
Max. cross-section AWG / mm <sup>2</sup>	26-16		26-16	0.2-1.5	26-16		26-16	0.2-1.5
Rated surge voltage (kV)	1.60		1.60	2.00	1.60		1.60	2.00
Contamination degree				3				3

Material		
Insulation material / Flammability class	PBT / UL 94 V-0	PBT / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Spring	Stainless steel	Stainless steel
Soldering lug	Brass	Brass

Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s




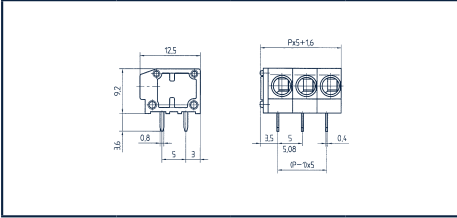
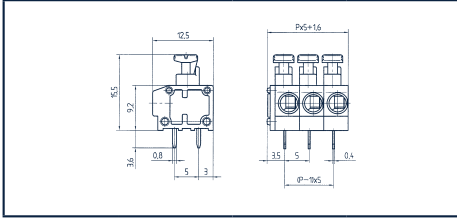
Order information	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)			● (RAL 6018)	
Other colours on request.	2	14632.1	50	2	14652.1	50
	3	14633.1	50	3	14653.1	50
	4	14634.1	50	4	14654.1	50
	5	14635.1	50	5	14655.1	50
	6	14636.1	50	6	14656.1	50
	7	14637.1	50	7	14657.1	50
	8	14638.1	50	8	14658.1	50
	9	14639.1	50	9	14659.1	50
	10	14640.1	50	10	14660.1	50
	11	14641.1	50	11	14661.1	50
	12	14642.1	50	12	14662.1	50

Accessories

Labelling	Refer to page 186.	Refer to page 186.
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\* Approvals applied for

# Push-in terminals

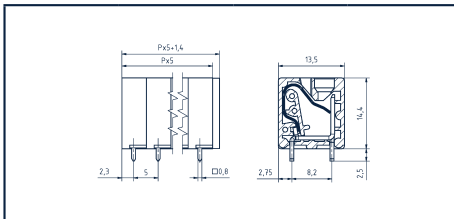
Terminals	PBK 4100/.../5.00	PBK 4101/.../5.00
		
Diagrams		
Connection type	Push-in	Push-in
Dimensions		
Pitch, mm	5.00	5.00
Stripping length, mm	9.00	9.00
Drill hole diameter, mm	2 x 1.00	2 x 1.00
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.08-2.50	0.08-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.08-1.50	0.08-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.00	0.14-1.00
Ratings		
	cULus	cULus
User group	B C D	B C D
Rated voltage (V)	300	300
Rated current (A)	10	10
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	20-14	20-14
Rated surge voltage (kV)	1.60	1.60
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Spring	Stainless steel	Stainless steel
Soldering lug	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information		
Standard colour(s)	● (RAL 7032)	● (RAL 7032)
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	2    13085.0    50	2    13108.0    50
	3    13086.0    50	3    13109.0    50
	4    13087.0    50	4    13110.0    50
	5    13088.0    50	5    13111.0    50
	6    13089.0    50	6    13112.0    50
	7    13090.0    50	7    13113.0    50
	8    13091.0    50	8    13114.0    50
	9    13092.0    50	9    13115.0    50
	10    13093.0    50	10    13116.0    50
	11    13094.0    50	11    13117.0    50
	12    13095.0    50	12    13118.0    50
	13    13096.0    50	13    13119.0    50
	14    13097.0    50	14    13120.0    50
	15    13098.0    50	15    13121.0    50
	16    13099.0    50	16    13122.0    50
	17    13100.0    50	17    13123.0    50
	18    13101.0    50	18    13124.0    50
	19    13102.0    50	19    13125.0    50
	20    13103.0    50	20    13126.0    50
	21    13104.0    50	21    13127.0    50
	22    13105.0    50	22    13128.0    50
	23    13106.0    50	23    13129.0    50
	24    13107.0    50	24    13130.0    50
Accessories		
Labelling	Refer to page 186.	Refer to page 186.



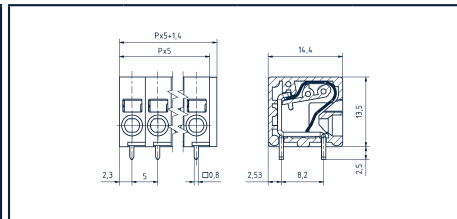
Terminals



PBK 2.5/.../5.00-V



PBK 2.5/.../5.00-H



Diagrams

Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
10.00  
2 x 1.10

5.00  
10.00  
2 x 1.10

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-4.00  
0.20-2.50  
0.20-2.50

0.20-4.00  
0.20-2.50  
0.20-2.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Contamination degree

cULus			VDE
B	C	D	
300		300	250
20		10	24
			III
24-12		24-12	0.20-2.50
1.60		1.60	2.00
			3

cULus			VDE
B	C	D	
300		300	250
20		10	24
			III
24-12		24-12	0.20-2.50
1.60		1.60	2.00
			3

Material

Insulation material / Flammability class  
Temperature range  
Spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

Standard colour(s)  
Other colours on request.  
Terminal without end plate  
Terminal with end plate

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
1	14340.1	50
1	14341.1	50
2	14342.1	50
3	14343.1	50
4	14344.1	50
5	14345.1	50
6	14346.1	50
7	14347.1	50
8	14348.1	50
9	14349.1	50
10	14350.1	50
11	14351.1	50
12	14352.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
1	14360.1	50
1	14361.1	50
2	14362.1	50
3	14363.1	50
4	14364.1	50
5	14365.1	50
6	14366.1	50
7	14367.1	50
8	14368.1	50
9	14369.1	50
10	14370.1	50
11	14371.1	50
12	14372.1	50

Accessories

End plate AP

Cat. no. Qty.

AP/PBK 2.5 GN  
14379.1 100  
Refer to page 186.

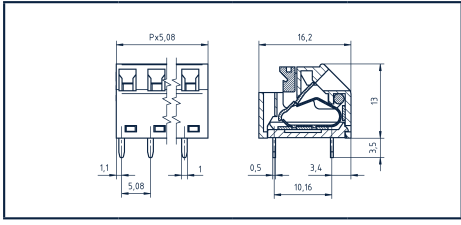
AP/PBK 2.5 GN  
14379.1 100  
Refer to page 186.

# Push-in terminals

**Terminals** **PBKZ 4301/.../5.08-KD**



**Diagrams**



**Connection type** Push-in

**Dimensions**  
 Pitch, mm 5.08  
 Stripping length, mm 11.00  
 Drill hole diameter, mm 2 x 1.40

**Cross-section**  
 Solid (rigid) mm<sup>2</sup> 0.08-1.50  
 Finely stranded (flexible) mm<sup>2</sup> 0.20-1.50  
 Finely stranded (with wire-end ferrule) mm<sup>2</sup> 0.14-1.00

	cULus			VDE
	B	C	D	
<b>User group</b>				
Rated voltage (V)	300		300	250
Rated current (A)	10		10	16
Oversvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-16		22-16	1.50
Rated surge voltage (kV)	1.60		1.60	2.00
Contamination degree				3

**Material**  
 Insulation material / Flammability class PA 6.6 / UL 94 V-0  
 Temperature range -40 °C / +105 °C  
 Spring Stainless steel  
 Soldering lug Brass

**Wave soldering process**  
 Recommended wave soldering temperature 260 °C  
 Recommended wave soldering time, min. / max. 3 / 4 s

Order information	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)	
	2	13131.1	50
	3	13132.1	50
	4	13133.1	50
	5	13134.1	50
	6	13135.1	50
	7	13136.1	50
	8	13137.1	50

**Accessories**  
 Labelling Refer to page 186.

Terminals



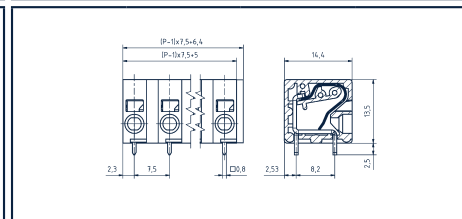
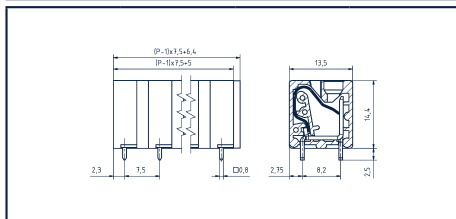
PBK 2.5/.../7.50-V



PBK 2.5/.../7.50-H



Diagrams



Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

7.50  
10.00  
2 x 1.10

7.50  
10.00  
2 x 1.10

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-4.00  
0.20-2.50  
0.20-2.50

0.20-4.00  
0.20-2.50  
0.20-2.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Contamination degree

cULus				VDE
B	C	D		
300	150	300		250
20	20	10		24
				III
24-12	24-12	24-12		0.20-2.50
1.60	1.30	1.60		3.00
				3

cULus				VDE
B	C	D		
300	150	300		250
20	20	10		24
				III
24-12	24-12	24-12		0.20-2.50
1.60	1.30	1.60		3.00
				3

Material

Insulation material / Flammability class  
Temperature range  
Spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

Standard colour(s)  
Other colours on request.  
Terminal without end plate  
Terminal with end plate

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
1	14380.1	50
1	14381.1	50
2	14382.1	50
3	14383.1	50
4	14384.1	50
5	14385.1	50
6	14386.1	50
7	14387.1	50
8	14388.1	50
9	14389.1	50
10	14390.1	50
11	14391.1	50
12	14392.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
1	14400.1	50
1	14401.1	50
2	14402.1	50
3	14403.1	50
4	14404.1	50
5	14405.1	50
6	14406.1	50
7	14407.1	50
8	14408.1	50
9	14409.1	50
10	14410.1	50
11	14411.1	50
12	14412.1	50

Accessories

End plate AP

Cat. no.

Qty.

AP/PBK 2.5 GN  
14379.1

100

AP/PBK 2.5 GN

Cat. no.

Qty.

14379.1

100

Spacer plate SPC

Cat. no.

Qty.

SPC/PBK 2.5/2.5 mm GN  
14419.1

100

SPC/PBK 2.5/2.5 mm GN  
14419.1




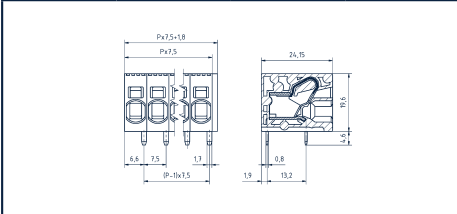
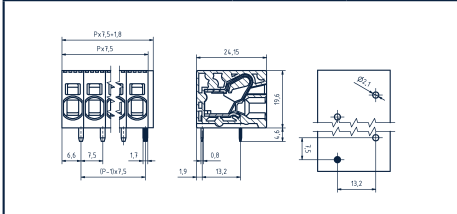


100

Labelling

Refer to page 186.

Refer to page 186.

# Push-in terminals

Terminals	PBK 5/.../7.50-H	PBK 5/.../7.50-H-VP
		
Diagrams		
Connection type	Push-in	Push-in
Dimensions		
Pitch, mm	7.50	7.50
Stripping length, mm	15.00	15.00
Drill hole diameter, mm	2 x 1.10	2 x 1.10
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.20-10.00	0.20-10.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-6.00	0.20-6.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-6.00	0.25-6.00
Ratings	cULus 	cULus 
User group	<b>B</b> <b>C</b> <b>D</b>	<b>B</b> <b>C</b> <b>D</b>
Rated voltage (V)	300    300    300	600    600    600
Rated current (A)	35    35    10	35    35    5
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	24-8    24-8    24-8	24-8    24-8    24-8
Rated surge voltage (kV)	1.60    1.60    1.60	2.20    2.20    2.20
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Spring	Stainless steel	Stainless steel
Soldering lug	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
Terminal without end plate	1    14420.1    50	1    14440.1    50
Terminal with end plate	1    14421.1    50	1    14441.1    50
	2    14422.1    50	2    14442.1    50
	3    14423.1    50	3    14443.1    50
	4    14424.1    50	4    14444.1    50
	5    14425.1    50	5    14445.1    50
	6    14426.1    50	6    14446.1    50
	7    14427.1    50	7    14447.1    50
	8    14428.1    50	8    14448.1    50
	9    14429.1    50	9    14449.1    50
	10    14430.1    50	10    14450.1    50
	11    14431.1    50	11    14451.1    50
	12    14432.1    50	12    14452.1    50
Accessories		
End plate AP	AP/PBK 5 GN	AP/PBK 2.5 GN
Cat. no.	14459.1	14379.1
Qty.	100	100
Labelling	Refer to page 186.	Refer to page 186.

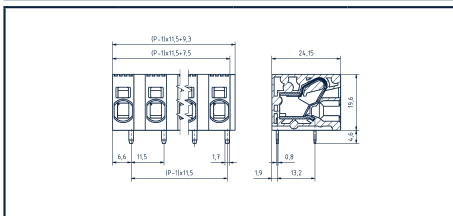
**Terminals**



**PBK 5/.../11.50-H**



**Diagrams**



<b>Connection type</b>	Push-in			
<b>Dimensions</b>				
Pitch, mm	11.50			
Stripping length, mm	15.00			
Drill hole diameter, mm	2 x 1.10			
<b>Cross-section</b>				
Solid (rigid) mm <sup>2</sup>	0.20-10.00			
Finely stranded (flexible) mm <sup>2</sup>	0.20-6.00			
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-6.00			
<b>Ratings</b>	cULus			
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>	
Rated voltage (V)	600	600	600	1000
Rated current (A)	35	35	35	41
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	24-8	24-8	24-8	0.20-6
Rated surge voltage (kV)	2.20	2.20	2.20	3.50
Contamination degree				3
<b>Material</b>				
Insulation material / Flammability class	PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C			
Spring	Stainless steel			
Soldering lug	Copper alloy			
<b>Wave soldering process</b>				
Recommended wave soldering temperature	260 °C			
Recommended wave soldering time, min. / max.	3 / 4 s			

<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)		● (RAL 6018)	
Other colours on request.			
Terminal without end plate	1	14490.1	50
Terminal with end plate	1	14491.1	50
	2	14492.1	50
	3	14493.1	50
	4	14494.1	50
	5	14495.1	50
	6	14496.1	50
	7	14497.1	50
	8	14498.1	50
	9	14499.1	50
	10	14500.1	50
	11	14501.1	50
	12	14502.1	50

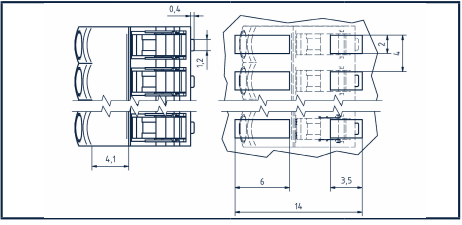
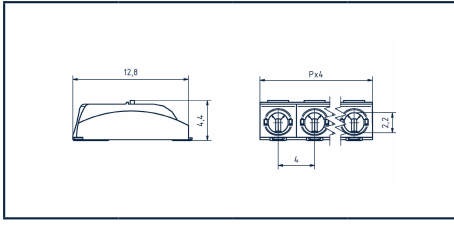
<b>Accessories</b>			
<b>End plate AP</b>	AP/PBK 5 GN		
Cat. no.	Qty.	14459.1	100
<b>Spacer plate SPC</b>	SPC/PBK 5/2.5 mm GN		
Cat. no.	Qty.	14509.1	100
Labelling	Refer to page 186.		

# Push-in terminals

## Terminals PBK 4091/.../KD-4.0-SMD



### Diagrams



<b>Connection type</b>	Push-in
------------------------	---------

<b>Dimensions</b>	
Pitch, mm	4.00
Stripping length, mm	7.00
Drill hole diameter, mm	

<b>Cross-section</b>	
Solid (rigid) mm <sup>2</sup>	0.20-0.75
Finely stranded (flexible) mm <sup>2</sup>	0.20-0.75
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.34

<b>Ratings</b>	VDE*			cULus*
<b>Overvoltage category</b>	II	III	III	
Contamination degree	2	2	3	
Rated voltage (V)	320	160	63	
Rated voltage 1-pole (V)				600
Rated voltage 2-pole (V)				250.00
Rated current (A)	9	9	9	9
Max. cross-section AWG / mm <sup>2</sup>	0.20-0.75	0.20-0.75	0.20-0.75	24-18
Rated surge voltage (kV)	2.50	2.50	2.50	

<b>Material</b>	
Insulation material / Flammability class	PPA / UL 94 V-0
Temperature range	-60 °C / +105 °C
Metal	Copper alloy

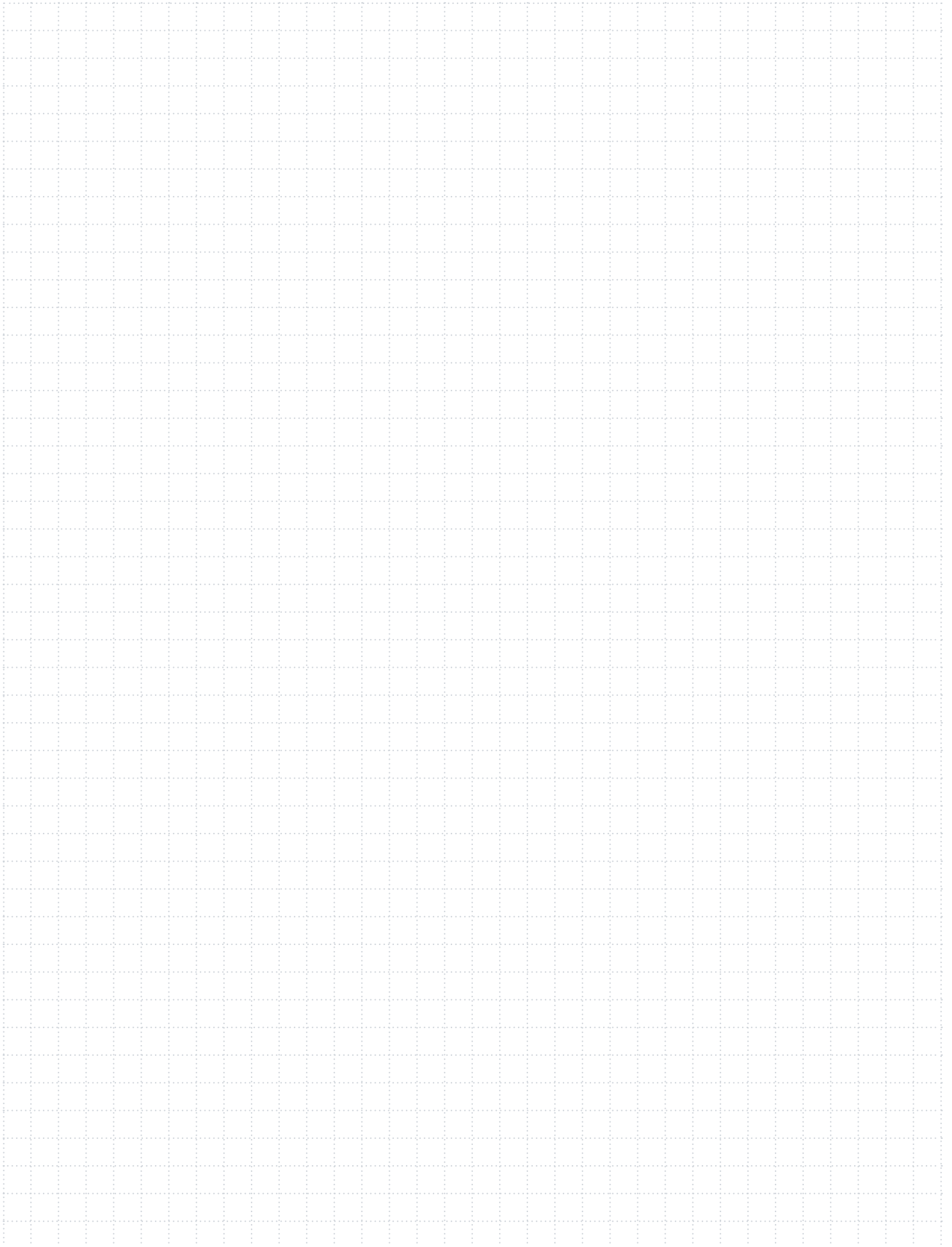
<b>Reflow process</b>	
Recommended soldering temperature	217-245 °C
Recommended peak soldering time	60 s

<b>On tapes</b>	
Coil diameter, inches	13
Tape width, mm	24
Pitch, mm (1/2-/3-/4-poles)	8/12/16/20




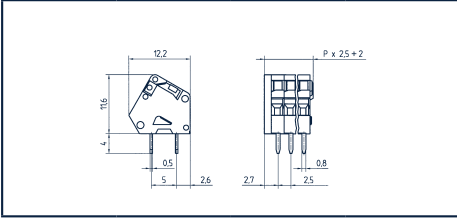
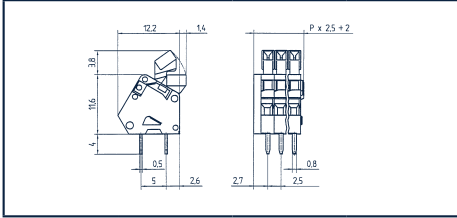


<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.**</b>
Standard colour		○ (RAL 9003)	
	1	30741.7	1500
	2	30742.7	1000
	3	30743.7	750
	4	30744.7	600

\* Approvals applied for  
 \*\* Pieces per spool

# Notes

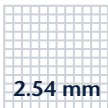


# Tension-spring terminals

Terminals	PZK 3191/.../2.50	PZK 3191/.../2.50-KD
 <p>2.50 mm</p>		
Diagrams		
Connection type	Tension spring	Tension spring
Dimensions		
Pitch, mm	2.50	2.50
Stripping length, mm	5.00	5.00
Drill hole diameter, mm	2 x 1.10	2 x 1.10
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.08-1.00	0.08-1.00
Finely stranded (flexible) mm <sup>2</sup>	0.14-0.50	0.14-0.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14	0.14
Ratings		
User group	cULus 	cULus 
Rated voltage (V)	B 150 C 130 D 130	B 150 C 130 D 130
Rated current (A)	4	4
Oversvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	28-20 0.50	28-20 0.50
Rated surge voltage (kV)	1.30	1.30
Torque NM / Screw size		
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Cage tension spring	Stainless steel	Stainless steel
Soldering lug	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information		
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	● (RAL 7032)	● (RAL 7032)
	2    12010.0    50	2    12057.0    50
	3    12011.0    50	3    12058.0    50
	4    12012.0    50	4    12059.0    50
	5    12013.0    50	5    12060.0    50
	6    12014.0    50	6    12061.0    50
	7    12015.0    50	7    12062.0    50
	8    12016.0    50	8    12063.0    50
	9    12017.0    50	9    12064.0    50
	10    12018.0    50	10    12065.0    50
	11    12019.0    50	11    12066.0    50
	12    12020.0    50	12    12067.0    50
	13    12021.0    50	13    12068.0    50
	14    12022.0    50	14    12069.0    50
	15    12023.0    50	15    12070.0    50
	16    12024.0    50	16    12071.0    50
	17    12025.0    50	17    12072.0    50
	18    12026.0    50	18    12073.0    50
	19    12027.0    50	19    12074.0    50
	20    12028.0    50	20    12075.0    50
	21    12029.0    50	21    12076.0    50
	22    12030.0    50	22    12077.0    50
	23    12031.0    50	23    12078.0    50
	24    12032.0    50	24    12079.0    50
Accessories		
Labelling	Refer to page 186.	Refer to page 186.



Terminals



2.54 mm

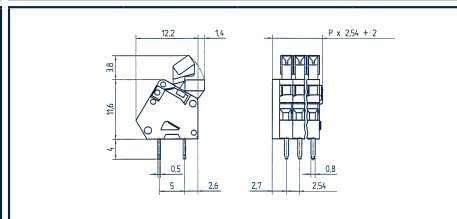
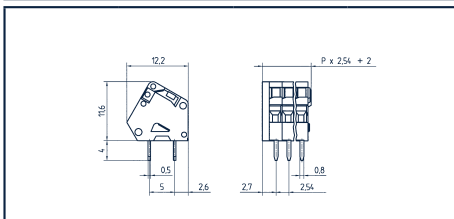
PZK 3191/.../2.54



PZK 3191/.../2.54-KD



Diagrams



	Tension spring				Tension spring			
<b>Connection type</b>	Tension spring				Tension spring			
<b>Dimensions</b>								
Pitch, mm	2.54				2.54			
Stripping length, mm	5.00				5.00			
Drill hole diameter, mm	2 x 1.10				2 x 1.10			
<b>Cross-section</b>								
Solid (rigid) mm <sup>2</sup>	0.08-1.0				0.08-1.0			
Finely stranded (flexible) mm <sup>2</sup>	0.14-0.5				0.14-0.5			
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14				0.14			
<b>Ratings</b>								
<b>User group</b>								
	<b>B</b>	<b>C</b>	<b>D</b>		<b>B</b>	<b>C</b>	<b>D</b>	
Rated voltage (V)	150			130	150			130
Rated current (A)	4			6	4			6
Overvoltage category				III				III
Max. cross-section AWG / mm <sup>2</sup>	28-20			0.50	28-20			0.50
Rated surge voltage (kV)	1.30			1.25	1.30			1.25
Torque NM / Screw size								
Contamination degree				3				3
<b>Material</b>								
Insulation material / Flammability class	PBT / UL 94 V-0				PBT / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Cage tension spring	Stainless steel				Stainless steel			
Soldering lug	Copper alloy				Copper alloy			
<b>Wave soldering process</b>								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min. / max.	3 / 4 s				3 / 4 s			
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>		<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>	
Standard colour(s)		● (RAL 2011)				● (RAL 2011)		
Other colours on request.	2	12106.3	50		2	12153.3	50	
	3	12107.3	50		3	12154.3	50	
	4	12108.3	50		4	12155.3	50	
	5	12109.3	50		5	12156.3	50	
	6	12110.3	50		6	12157.3	50	
	7	12111.3	50		7	12158.3	50	
	8	12112.3	50		8	12159.3	50	
	9	12113.3	50		9	12160.3	50	
	10	12114.3	50		10	12161.3	50	
	11	12115.3	50		11	12162.3	50	
	12	12116.3	50		12	12163.3	50	
	13	12117.3	50		13	12164.3	50	
	14	12118.3	50		14	12165.3	50	
	15	12119.3	50		15	12166.3	50	
	16	12120.3	50		16	12167.3	50	
	17	12121.3	50		17	12168.3	50	
	18	12122.3	50		18	12169.3	50	
	19	12123.3	50		19	12170.3	50	
	20	12124.3	50		20	12171.3	50	
	21	12125.3	50		21	12172.3	50	
	22	12126.3	50		22	12173.3	50	
	23	12127.3	50		23	12174.3	50	
	24	12128.3	50		24	12175.3	50	




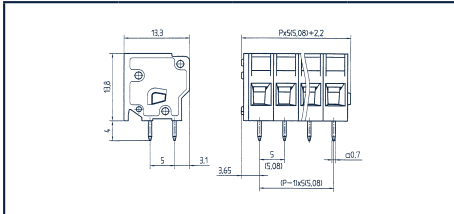
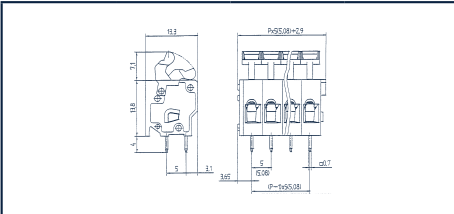


Accessories

Labelling

Refer to page 186.

Refer to page 186.

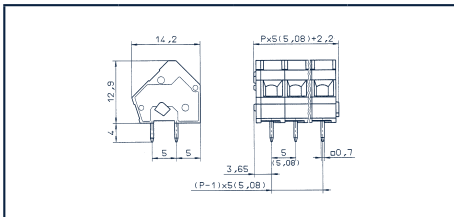
# Tension-spring terminals

Terminals	PZK 3100/.../5.00/5.08	PZK 3101/.../5.00/5.08-WD
		
Diagrams		
Connection type	Tension spring	Tension spring
Dimensions		
Pitch, mm	5.00/5.08	5.00/5.08
Stripping length, mm	6.00	6.00
Drill hole diameter, mm	2 x 1.10	2 x 1.10
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.14-2.50	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-2.50	0.14-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Ratings		
	cULus 	cULus 
User group	<b>B</b> <b>C</b> <b>D</b>	<b>B</b> <b>C</b> <b>D</b>
Rated voltage (V)	300	300
Rated current (A)	15	10
Overvoltage category		III
Max. cross-section AWG / mm <sup>2</sup>	28-14	28-14
Rated surge voltage (kV)	1.60	1.60
Torque NM / Screw size		
Contamination degree		3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Cage tension spring	Stainless steel	Stainless steel
Soldering lug	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information		
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	● (RAL 6018)    ● (RAL 7032)	● (RAL 6018)    ● (RAL 7032)
2	11074.1    11074.0    50	2    11122.1    11122.0    50
3	11075.1    11075.0    50	3    11123.1    11123.0    50
4	11076.1    11076.0    50	4    11124.1    11124.0    50
5	11077.1    11077.0    50	5    11125.1    11125.0    50
6	11078.1    11078.0    50	6    11126.1    11126.0    50
7	11079.1    11079.0    50	7    11127.1    11127.0    50
8	11080.1    11080.0    50	8    11128.1    11128.0    50
9	11081.1    11081.0    50	9    11129.1    11129.0    50
10	11082.1    11082.0    50	10    11130.1    11130.0    50
11	11083.1    11083.0    50	11    11131.1    11131.0    50
12	11084.1    11084.0    50	12    11132.1    11132.0    50
13	11085.1    11085.0    50	13    11133.1    11133.0    50
14	11086.1    11086.0    50	14    11134.1    11134.0    50
15	11087.1    11087.0    50	15    11135.1    11135.0    50
16	11088.1    11088.0    50	16    11136.1    11136.0    50
17	11089.1    11089.0    50	17    11137.1    11137.0    50
18	11090.1    11090.0    50	18    11138.1    11138.0    50
19	11091.1    11091.0    50	19    11139.1    11139.0    50
20	11092.1    11092.0    50	20    11140.1    11140.0    50
21	11093.1    11093.0    50	21    11141.1    11141.0    50
22	11094.1    11094.0    50	22    11142.1    11142.0    50
23	11095.1    11095.0    50	23    11143.1    11143.0    50
24	11096.1    11096.0    50	24    11144.1    11144.0    50
Accessories		
Labelling	Refer to page 186.	Refer to page 186.

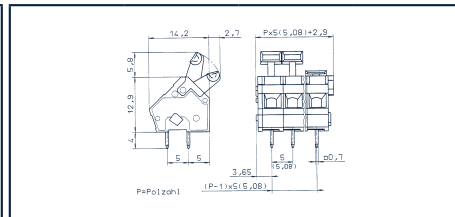
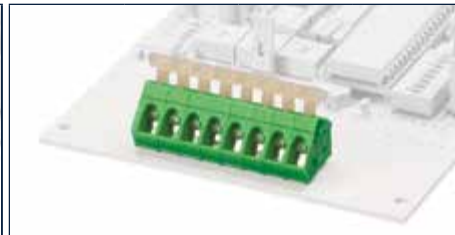
Terminals



PZK 3000/.../5.00/5.08



PZK 3001/.../5.00/5.08-KD



Diagrams

Connection type

Tension spring

Tension spring

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00/5.08  
6.00  
2 x 1.10

5.00/5.08  
6.00  
2 x 1.10

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.08-2.50  
0.14-2.50  
0.14-1.50

0.08-2.50  
0.14-2.50  
0.14-1.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

cULus			VDE
B	C	D	
300		300	250
15		10	24
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

cULus			VDE
B	C	D	
300		300	250
15		10	24
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

Material

Insulation material / Flammability class  
Temperature range  
Cage tension spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.		Qty.	No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7032)			● (RAL 6018)	● (RAL 7032)	
2	10690.1	10690.0	50	2	10786.1	10786.0	50
3	10691.1	10691.0	50	3	10787.1	10787.0	50
4	10692.1	10692.0	50	4	10788.1	10788.0	50
5	10693.1	10693.0	50	5	10789.1	10789.0	50
6	10694.1	10694.0	50	6	10790.1	10790.0	50
7	10695.1	10695.0	50	7	10791.1	10791.0	50
8	10696.1	10696.0	50	8	10792.1	10792.0	50
9	10697.1	10697.0	50	9	10793.1	10793.0	50
10	10698.1	10698.0	50	10	10794.1	10794.0	50
11	10699.1	10699.0	50	11	10795.1	10795.0	50
12	10700.1	10700.0	50	12	10796.1	10796.0	50
13	10701.1	10701.0	50	13	10797.1	10797.0	50
14	10702.1	10702.0	50	14	10798.1	10798.0	50
15	10703.1	10703.0	50	15	10799.1	10799.0	50
16	10704.1	10704.0	50	16	10800.1	10800.0	50
17	10705.1	10705.0	50	17	10801.1	10801.0	50
18	10706.1	10706.0	50	18	10802.1	10802.0	50
19	10707.1	10707.0	50	19	10803.1	10803.0	50
20	10708.1	10708.0	50	20	10804.1	10804.0	50
21	10709.1	10709.0	50	21	10805.1	10805.0	50
22	10710.1	10710.0	50	22	10806.1	10806.0	50
23	10711.1	10711.0	50	23	10807.1	10807.0	50
24	10712.1	10712.0	50	24	10808.1	10808.0	50




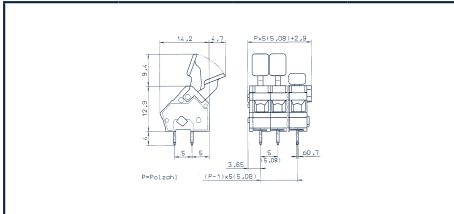
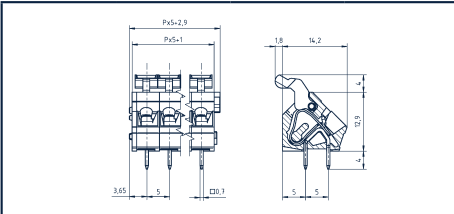
Accessories

Labelling

Refer to page 186.

Refer to page 186.

# Tension-spring terminals

Terminals	PZK 3001/.../5.00/5.08-FD	PZK 3001/.../5.00/5.08-WD																																																																																																																																																						
																																																																																																																																																								
Diagrams																																																																																																																																																								
Connection type	Tension spring	Clamping yoke																																																																																																																																																						
Dimensions																																																																																																																																																								
Pitch, mm	5.00/5.08	5.00/5.08																																																																																																																																																						
Stripping length, mm	6.00	6.00																																																																																																																																																						
Drill hole diameter, mm	2 x 1.10	2 x 1.10																																																																																																																																																						
Cross-section																																																																																																																																																								
Solid (rigid) mm <sup>2</sup>	0.08-2.50	0.08-2.50																																																																																																																																																						
Finely stranded (flexible) mm <sup>2</sup>	0.14-2.50	0.14-2.50																																																																																																																																																						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50	0.14-1.50																																																																																																																																																						
Ratings																																																																																																																																																								
User group	cULus	cULus																																																																																																																																																						
Rated voltage (V)	B 300 C 300 D 300	B 300 C 300 D 300																																																																																																																																																						
Rated current (A)	15 10 24	15 10 24																																																																																																																																																						
Overvoltage category	III	III																																																																																																																																																						
Max. cross-section AWG / mm <sup>2</sup>	28-14 28-14 2.50	28-14 28-14 2.50																																																																																																																																																						
Rated surge voltage (kV)	1.60 1.60 2.00	1.60 1.60 2.00																																																																																																																																																						
Contamination degree	3	3																																																																																																																																																						
Material																																																																																																																																																								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0																																																																																																																																																						
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C																																																																																																																																																						
Spring	Stainless steel	Stainless steel																																																																																																																																																						
Soldering lug	Copper alloy	Copper alloy																																																																																																																																																						
Wave soldering process																																																																																																																																																								
Recommended wave soldering temperature	260 °C	260 °C																																																																																																																																																						
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s																																																																																																																																																						
Order information																																																																																																																																																								
	<table border="1"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td></td> <td>● (RAL 6018) ● (RAL 7032)</td> <td></td> </tr> <tr><td>2</td><td>10834.1 10834.0</td><td>50</td></tr> <tr><td>3</td><td>10835.1 10835.0</td><td>50</td></tr> <tr><td>4</td><td>10836.1 10836.0</td><td>50</td></tr> <tr><td>5</td><td>10837.1 10837.0</td><td>50</td></tr> <tr><td>6</td><td>10838.1 10838.0</td><td>50</td></tr> <tr><td>7</td><td>10839.1 10839.0</td><td>50</td></tr> <tr><td>8</td><td>10840.1 10840.0</td><td>50</td></tr> <tr><td>9</td><td>10841.1 10841.0</td><td>50</td></tr> <tr><td>10</td><td>10842.1 10842.0</td><td>50</td></tr> <tr><td>11</td><td>10843.1 10843.0</td><td>50</td></tr> <tr><td>12</td><td>10844.1 10844.0</td><td>50</td></tr> <tr><td>13</td><td>10845.1 10845.0</td><td>50</td></tr> <tr><td>14</td><td>10846.1 10846.0</td><td>50</td></tr> <tr><td>15</td><td>10847.1 10847.0</td><td>50</td></tr> <tr><td>16</td><td>10848.1 10848.0</td><td>50</td></tr> <tr><td>17</td><td>10849.1 10849.0</td><td>50</td></tr> <tr><td>18</td><td>10850.1 10850.0</td><td>50</td></tr> <tr><td>19</td><td>10851.1 10851.0</td><td>50</td></tr> <tr><td>20</td><td>10852.1 10852.0</td><td>50</td></tr> <tr><td>21</td><td>10853.1 10853.0</td><td>50</td></tr> <tr><td>22</td><td>10854.1 10854.0</td><td>50</td></tr> <tr><td>23</td><td>10855.1 10855.0</td><td>50</td></tr> <tr><td>24</td><td>10856.1 10856.0</td><td>50</td></tr> </tbody> </table>	No. of poles	Cat. no.	Qty.		● (RAL 6018) ● (RAL 7032)		2	10834.1 10834.0	50	3	10835.1 10835.0	50	4	10836.1 10836.0	50	5	10837.1 10837.0	50	6	10838.1 10838.0	50	7	10839.1 10839.0	50	8	10840.1 10840.0	50	9	10841.1 10841.0	50	10	10842.1 10842.0	50	11	10843.1 10843.0	50	12	10844.1 10844.0	50	13	10845.1 10845.0	50	14	10846.1 10846.0	50	15	10847.1 10847.0	50	16	10848.1 10848.0	50	17	10849.1 10849.0	50	18	10850.1 10850.0	50	19	10851.1 10851.0	50	20	10852.1 10852.0	50	21	10853.1 10853.0	50	22	10854.1 10854.0	50	23	10855.1 10855.0	50	24	10856.1 10856.0	50	<table border="1"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td></td> <td>● (RAL 6018)</td> <td></td> </tr> <tr><td>2</td><td>30772.1</td><td>50</td></tr> <tr><td>3</td><td>30773.1</td><td>50</td></tr> <tr><td>4</td><td>30774.1</td><td>50</td></tr> <tr><td>5</td><td>30775.1</td><td>50</td></tr> <tr><td>6</td><td>30776.1</td><td>50</td></tr> <tr><td>7</td><td>30777.1</td><td>50</td></tr> <tr><td>8</td><td>30778.1</td><td>50</td></tr> <tr><td>9</td><td>30779.1</td><td>50</td></tr> <tr><td>10</td><td>30780.1</td><td>50</td></tr> <tr><td>11</td><td>30781.1</td><td>50</td></tr> <tr><td>12</td><td>30782.1</td><td>50</td></tr> <tr><td>13</td><td>30783.1</td><td>50</td></tr> <tr><td>14</td><td>30784.1</td><td>50</td></tr> <tr><td>15</td><td>30785.1</td><td>50</td></tr> <tr><td>16</td><td>30786.1</td><td>50</td></tr> <tr><td>17</td><td>30787.1</td><td>50</td></tr> <tr><td>18</td><td>30788.1</td><td>50</td></tr> <tr><td>19</td><td>30789.1</td><td>50</td></tr> <tr><td>20</td><td>30790.1</td><td>50</td></tr> <tr><td>21</td><td>30791.1</td><td>50</td></tr> <tr><td>22</td><td>30792.1</td><td>50</td></tr> <tr><td>23</td><td>30793.1</td><td>50</td></tr> <tr><td>24</td><td>30794.1</td><td>50</td></tr> </tbody> </table>	No. of poles	Cat. no.	Qty.		● (RAL 6018)		2	30772.1	50	3	30773.1	50	4	30774.1	50	5	30775.1	50	6	30776.1	50	7	30777.1	50	8	30778.1	50	9	30779.1	50	10	30780.1	50	11	30781.1	50	12	30782.1	50	13	30783.1	50	14	30784.1	50	15	30785.1	50	16	30786.1	50	17	30787.1	50	18	30788.1	50	19	30789.1	50	20	30790.1	50	21	30791.1	50	22	30792.1	50	23	30793.1	50	24	30794.1	50
No. of poles	Cat. no.	Qty.																																																																																																																																																						
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Accessories																																																																																																																																																								
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																						

Terminals



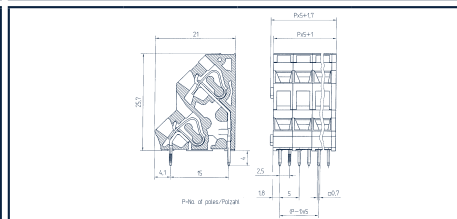
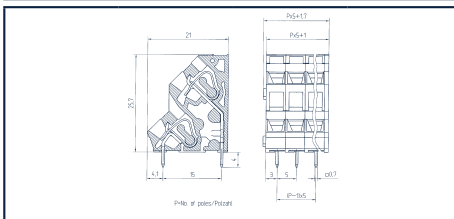
PZK 3750/.../5.00



PZK 3750/.../5.00-VP



Diagrams



Connection type

Tension spring

Tension spring

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
6.00  
2 x 1.30

5.00  
6.00  
2 x 1.30

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.08-2.50  
0.14-2.50  
0.14-1.50

0.08-2.50  
0.14-2.50  
0.14-1.50

Ratings

User group

cULus*			VDE*
B	C	D	
300		300	250
16		10	12
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

cULus*			VDE*
B	C	D	
300		300	250
16		10	12
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

Material

Insulation material / Flammability class  
Temperature range  
Cage tension spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13334.1	50
3	13335.1	50
4	13336.1	50
5	13337.1	50
6	13338.1	50
7	13339.1	50
8	13340.1	50
9	13341.1	50
10	13342.1	50
11	13343.1	50
12	13344.1	50
13	13345.1	50
14	13346.1	50
15	13347.1	50
16	13348.1	50
17	13349.1	50
18	13350.1	50
19	13351.1	50
20	13352.1	50
21	13353.1	50
22	13354.1	50
23	13355.1	50
24	13356.1	50
1 pole = 2 electrical connections		

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13382.1	50
3	13383.1	50
4	13384.1	50
5	13385.1	50
6	13386.1	50
7	13387.1	50
8	13388.1	50
9	13389.1	50
10	13390.1	50
11	13391.1	50
12	13392.1	50
13	13393.1	50
14	13394.1	50
15	13395.1	50
16	13396.1	50
17	13397.1	50
18	13398.1	50
19	13399.1	50
20	13400.1	50
21	13401.1	50
22	13402.1	50
23	13403.1	50
24	13404.1	50
1 pole = 2 electrical connections		

Accessories

Labelling

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Tension-spring terminals

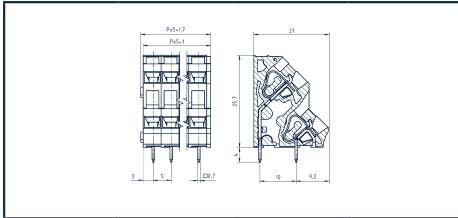
## Terminals



## PZK 3750/.../5.00-PD10.0



## Diagrams



## Connection type

## Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

## Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

## Ratings

## User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Contamination degree

## Material

Insulation material / Flammability class  
Temperature range  
Cage tension spring  
Soldering lug

## Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

## Order information

## Tension spring

5.00  
6.00  
2 x 1.30

0.08-2.50  
0.14-2.50  
0.14-1.50

## cULus\*

B	C	D	
300		300	250
16		10	12
			III
28-14		28-14	0.50-2.50
1.60		1.60	2.00
			3

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14512.1	50
3	14513.1	50
4	14514.1	50
5	14515.1	50
6	14516.1	50
7	14517.1	50
8	14518.1	50
9	14519.1	50
10	14520.1	50
11	14521.1	50
12	14522.1	50

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

260 °C  
3 / 4 s

1 pole = 2 electrical connections

## Accessories

Labelling

Refer to page 186.

Terminals



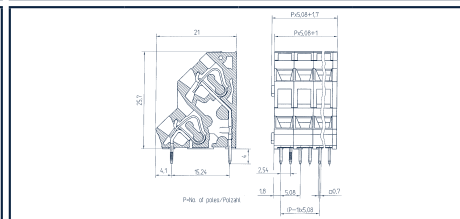
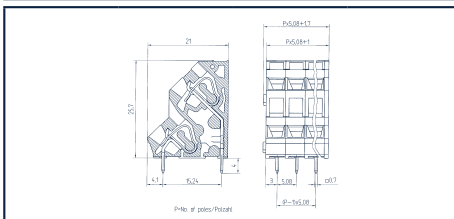
PZK 3750/.../5.08



PZK 3750/.../5.08-VP



Diagrams



Connection type

Tension spring

Tension spring

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.08  
6.00  
2 x 1.30

5.08  
6.00  
2 x 1.30

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.08-2.50  
0.14-2.50  
0.14-1.50

0.08-2.50  
0.14-2.50  
0.14-1.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Contamination degree

cULus*			VDE*
B	C	D	
300		300	250
16		10	12
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

cULus*			VDE*
B	C	D	
300		300	250
16		10	12
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

Material

Insulation material / Flammability class  
Temperature range  
Cage tension spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13358.1	50
3	13359.1	50
4	13360.1	50
5	13361.1	50
6	13362.1	50
7	13363.1	50
8	13364.1	50
9	13365.1	50
10	13366.1	50
11	13367.1	50
12	13368.1	50
13	13369.1	50
14	13370.1	50
15	13371.1	50
16	13372.1	50
17	13373.1	50
18	13374.1	50
19	13375.1	50
20	13376.1	50
21	13377.1	50
22	13378.1	50
23	13379.1	50
24	13380.1	50
1 pole = 2 electrical connections		

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13406.1	50
3	13407.1	50
4	13408.1	50
5	13409.1	50
6	13410.1	50
7	13411.1	50
8	13412.1	50
9	13413.1	50
10	13414.1	50
11	13415.1	50
12	13416.1	50
13	13417.1	50
14	13418.1	50
15	13419.1	50
16	13420.1	50
17	13421.1	50
18	13422.1	50
19	13423.1	50
20	13424.1	50
21	13425.1	50
22	13426.1	50
23	13427.1	50
24	13428.1	50
1 pole = 2 electrical connections		

Accessories

Labelling

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Tension-spring terminals

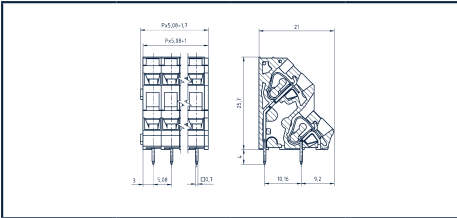
## Terminals



## PZK 3750/.../5.08-PD10.16



## Diagrams



### Connection type

### Dimensions

Pitch, mm	5.08
Stripping length, mm	6.00
Drill hole diameter, mm	2 x 1.30

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.08-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50

### Ratings

#### User group

	B	C	D	VDE*
Rated voltage (V)	300		300	250
Rated current (A)	16		10	12
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	28-14		28-14	0.50-2.50
Rated surge voltage (kV)	1.60		1.60	2.00
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Cage tension spring	Stainless steel
Soldering lug	Copper alloy

### Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

### Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14532.1	50
3	14533.1	50
4	14534.1	50
5	14535.1	50
6	14536.1	50
7	14537.1	50
8	14538.1	50
9	14539.1	50
10	14540.1	50
11	14541.1	50
12	14542.1	50

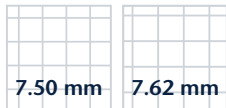
1 pole = 2 electrical connections

### Accessories

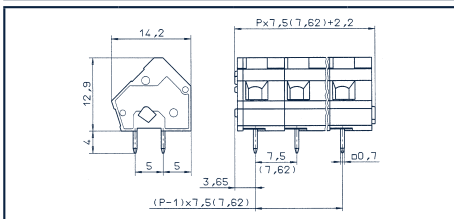
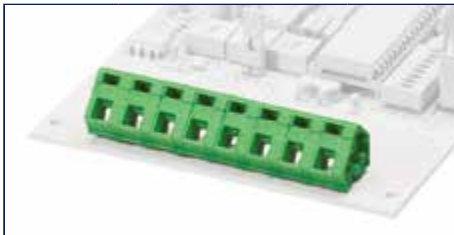
Labelling	Refer to page 186.
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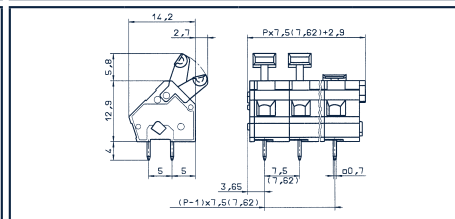
Terminals



PZK 3010/.../7.50/7.62



PZK 3011/.../7.50/7.62-KD



Diagrams

Connection type

Tension spring

Tension spring

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

7.50/7.62  
6.00  
2 x 1.10

7.50/7.62  
6.00  
2 x 1.10

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.08-2.50  
0.14-2.50  
0.14-1.50

0.08-2.50  
0.14-2.50  
0.14-1.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Contamination degree

cULus			VDE
B	C	D	
300		300	750
15		10	24
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

cULus			VDE
B	C	D	
300		300	750
15		10	24
			III
28-14		28-14	2.50
1.60		1.60	2.00
			3

Material

Insulation material / Flammability class  
Temperature range  
Cage tension spring  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7032)			● (RAL 6018) ● (RAL 7032)	
2	10738.1 10738.0	50	2	10882.1 10882.0	50
3	10739.1 10739.0	50	3	10883.1 10883.0	50
4	10740.1 10740.0	50	4	10884.1 10884.0	50
5	10741.1 10741.0	50	5	10885.1 10885.0	50
6	10742.1 10742.0	50	6	10886.1 10886.0	50
7	10743.1 10743.0	50	7	10887.1 10887.0	50
8	10744.1 10744.0	50	8	10888.1 10888.0	50
9	10745.1 10745.0	50	9	10889.1 10889.0	50
10	10746.1 10746.0	50	10	10890.1 10890.0	50
11	10747.1 10747.0	50	11	10891.1 10891.0	50
12	10748.1 10748.0	50	12	10892.1 10892.0	50
13	10749.1 10749.0	50	13	10893.1 10893.0	50
14	10750.1 10750.0	50	14	10894.1 10894.0	50
15	10751.1 10751.0	50	15	10895.1 10895.0	50
16	10752.1 10752.0	50	16	10896.1 10896.0	50
17	10753.1 10753.0	50	17	10897.1 10897.0	50
18	10754.1 10754.0	50	18	10898.1 10898.0	50
19	10755.1 10755.0	50	19	10899.1 10899.0	50
20	10756.1 10756.0	50	20	10900.1 10900.0	50
21	10757.1 10757.0	50	21	10901.1 10901.0	50
22	10758.1 10758.0	50	22	10902.1 10902.0	50
23	10759.1 10759.0	50	23	10903.1 10903.0	50
24	10760.1 10760.0	50	24	10904.1 10904.0	50






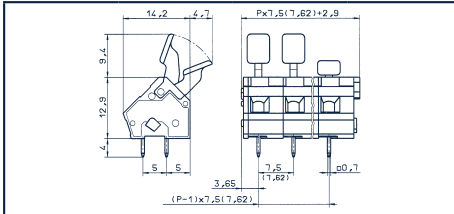
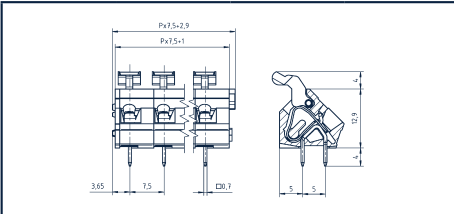

Accessories

Labelling

Refer to page 186.

Refer to page 186.

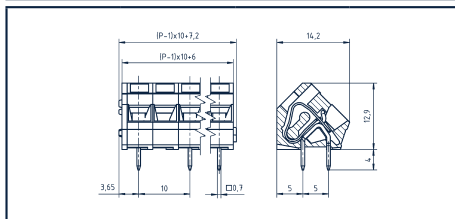
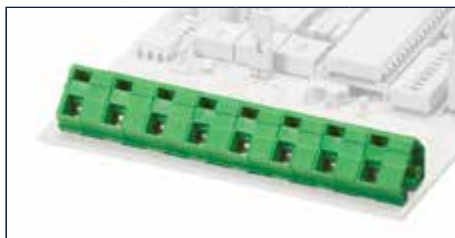
# Tension-spring terminals

Terminals	PZK 3011/.../7.50/7.62-FD	PZK 3011/.../7.50/7.62-WD																
 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>7.50 mm</p> </div> <div style="text-align: center;">  <p>7.62 mm</p> </div> </div>																		
Diagrams																		
Connection type	Tension spring																	
Dimensions	7.50/7.62																	
Pitch, mm	7.50/7.62																	
Stripping length, mm	6.00																	
Drill hole diameter, mm	2 x 1.10																	
Cross-section	0.08-2.50																	
Solid (rigid) mm <sup>2</sup>	0.08-2.50																	
Finely stranded (flexible) mm <sup>2</sup>	0.14-2.50																	
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50																	
Ratings	cULus 																	
User group	B	C	D	B	C	D	B	C	D	B	C	D						
Rated voltage (V)	300			300			750			300			750					
Rated current (A)	15			10			24			15			10			24		
Oversoltage category	III			III			III			III			III					
Max. cross-section AWG / mm <sup>2</sup>	28-14			28-14			2.50			28-14			28-14			2.50		
Rated surge voltage (kV)	1.60			1.60			2.00			1.60			1.60			3.00		
Contamination degree	3			3			3			3			3			3		
Material	PA 6.6 / UL 94 V-0						PA 6.6 / UL 94 V-0											
Insulation material / Flammability class	PA 6.6 / UL 94 V-0						PA 6.6 / UL 94 V-0											
Temperature range	-40 °C / +105 °C						-40 °C / +105 °C											
Cage tension spring	Stainless steel						Stainless steel											
Soldering lug	Copper alloy						Copper alloy											
Wave soldering process	260 °C						260 °C											
Recommended wave soldering temperature	260 °C						260 °C											
Recommended wave soldering time, min. / max.	3 / 4 s						3 / 4 s											
Order information	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.						
		● (RAL 6018) ● (RAL 7032)			● (RAL 6018)													
	2	10930.1	10930.0	50	2	31332.1	50	3	31333.1	50	4	31334.1	50					
	3	10931.1	10931.0	50	3	31335.1	50	6	31336.1	50	7	31337.1	50					
	4	10932.1	10932.0	50	6	31338.1	50	8	31339.1	50	9	31340.1	50					
	5	10933.1	10933.0	50	8	31341.1	50	11	31342.1	50	12	31343.1	50					
	6	10934.1	10934.0	50	11	31344.1	50	13	31345.1	50	14	31346.1	50					
	7	10935.1	10935.0	50	13	31347.1	50	15	31348.1	50	16	31349.1	50					
	8	10936.1	10936.0	50	15	31350.1	50	17	31351.1	50	18	31352.1	50					
	9	10937.1	10937.0	50	17	31353.1	50	19	31354.1	50	20	31355.1	50					
	10	10938.1	10938.0	50	19	31356.1	50	21	31357.1	50	22	31358.1	50					
	11	10939.1	10939.0	50	21	31359.1	50	23	31360.1	50	24	31361.1	50					
	12	10940.1	10940.0	50	23	31362.1	50	25	31363.1	50	26	31364.1	50					
	13	10941.1	10941.0	50	25	31365.1	50	27	31366.1	50	28	31367.1	50					
	14	10942.1	10942.0	50	27	31368.1	50	29	31369.1	50	30	31370.1	50					
	15	10943.1	10943.0	50	29	31371.1	50	31	31372.1	50	32	31373.1	50					
	16	10944.1	10944.0	50	31	31374.1	50	33	31375.1	50	34	31376.1	50					
	17	10945.1	10945.0	50	33	31377.1	50	35	31378.1	50	36	31379.1	50					
	18	10946.1	10946.0	50	35	31380.1	50	37	31381.1	50	38	31382.1	50					
	19	10947.1	10947.0	50	37	31383.1	50	39	31384.1	50	40	31385.1	50					
	20	10948.1	10948.0	50	39	31386.1	50	41	31387.1	50	42	31388.1	50					
	21	10949.1	10949.0	50	41	31389.1	50	43	31390.1	50	44	31391.1	50					
	22	10950.1	10950.0	50	43	31392.1	50	45	31393.1	50	46	31394.1	50					
	23	10951.1	10951.0	50	45	31395.1	50	47	31396.1	50	48	31397.1	50					
	24	10952.1	10952.0	50	47	31398.1	50	49	31399.1	50	50	31400.1	50					
Accessories	Refer to page 186.						Refer to page 186.											
Labelling	Refer to page 186.						Refer to page 186.											

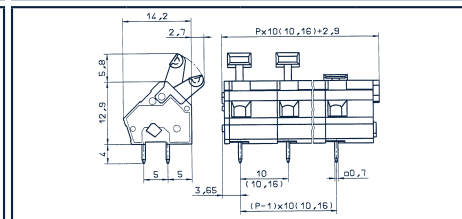
Terminals



PZK 3020/.../10.00/10.16



PZK 3021/.../10.00/10.16-KD



Diagrams

Connection type

Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

Finely stranded (flexible) mm<sup>2</sup>

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)

Rated current (A)

Oversoltage category

Max. cross-section AWG / mm<sup>2</sup>

Rated surge voltage (kV)

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Cage tension spring

Soldering lug

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min. / max.

Order information

Accessories

Labelling

Tension spring

10.00/10.16

6.00

2 x 1.10

0.08-2.50

0.14-2.50

0.14-1.50

cULus



B	C	D	
300	300		1000
15	15		24
			III
28-14	28-14		2.50
1.60	1.60		3.50
			3

Tension spring

10.00/10.16

6.00

2 x 1.10

0.08-2.50

0.14-2.50

0.14-1.50

cULus



B	C	D	
300	300		1000
15	15		24
			III
28-14	28-14		2.50
1.60	1.60		3.50
			3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Stainless steel

Copper alloy

260 °C

3 / 4 s

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7032)	
2	10978.1 10978.0	50
3	10979.1 10979.0	50
4	10980.1 10980.0	50
5	10981.1 10981.0	50
6	10982.1 10982.0	50
7	10983.1 10983.0	50
8	10984.1 10984.0	50
9	10985.1 10985.0	50
10	10986.1 10986.0	50
11	10987.1 10987.0	50
12	10988.1 10988.0	50
13	10989.1 10989.0	50
14	10990.1 10990.0	50
15	10991.1 10991.0	50
16	10992.1 10992.0	50
17	10993.1 10993.0	50
18	10994.1 10994.0	50
19	10995.1 10995.0	50
20	10996.1 10996.0	50
21	10997.1 10997.0	50
22	10998.1 10998.0	50
23	10999.1 10999.0	50
24	11000.1 11000.0	50

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Stainless steel

Copper alloy

260 °C

3 / 4 s

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7032)	
2	11026.1 11026.0	50
3	11027.1 11027.0	50
4	11028.1 11028.0	50
5	11029.1 11029.0	50
6	11030.1 11030.0	50
7	11031.1 11031.0	50
8	11032.1 11032.0	50
9	11033.1 11033.0	50
10	11034.1 11034.0	50
11	11035.1 11035.0	50
12	11036.1 11036.0	50
13	11037.1 11037.0	50
14	11038.1 11038.0	50
15	11039.1 11039.0	50
16	11040.1 11040.0	50
17	11041.1 11041.0	50
18	11042.1 11042.0	50
19	11043.1 11043.0	50
20	11044.1 11044.0	50
21	11045.1 11045.0	50
22	11046.1 11046.0	50
23	11047.1 11047.0	50
24	11048.1 11048.0	50

Refer to page 186.

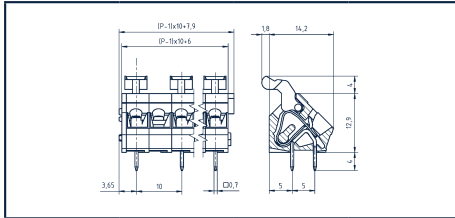
Refer to page 186.

# Tension-spring terminals

## Terminals



## PZK 3021/.../10.00/10.16-WD



## Diagrams

### Connection type

Tension spring

### Dimensions

Pitch, mm

10.00/10.16

Stripping length, mm

6.00

Drill hole diameter, mm

2 x 1.10

### Cross-section

Solid (rigid) mm<sup>2</sup>

0.08-2.50

Finely stranded (flexible) mm<sup>2</sup>

0.14-2.50

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-1.50

### Ratings

#### User group

Rated voltage (V)

B 300

C 300

D

1000

Rated current (A)

15

15

24

Overtoltage category

III

Max. cross-section AWG / mm<sup>2</sup>

28-14

28-14

2.50

Rated surge voltage (kV)

1.60

1.60

3.50

Contamination degree

3

### Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

Spring

Stainless steel

Soldering lug

Copper alloy

### Wave soldering process

Recommended wave soldering temperature

260 °C

Recommended wave soldering time, min. / max.

3 / 4 s

### Order information

No. of poles

Cat. no.

Qty.

● (RAL 6018)

2

31302.1

50

3

31303.1

50

4

31304.1

50

5

31305.1

50

6

31306.1

50

7

31307.1

50

8

31308.1

50

9

31309.1

50

10

31310.1

50

11

31311.1

50

12

31312.1

50

13

31313.1

50

14

31314.1

50

15

31315.1

50

16

31316.1

50

17

31317.1

50

18

31318.1

50

19

31319.1

50

20

31320.1

50

21

31321.1

50

22

31322.1

50

23

31323.1

50

24

31324.1

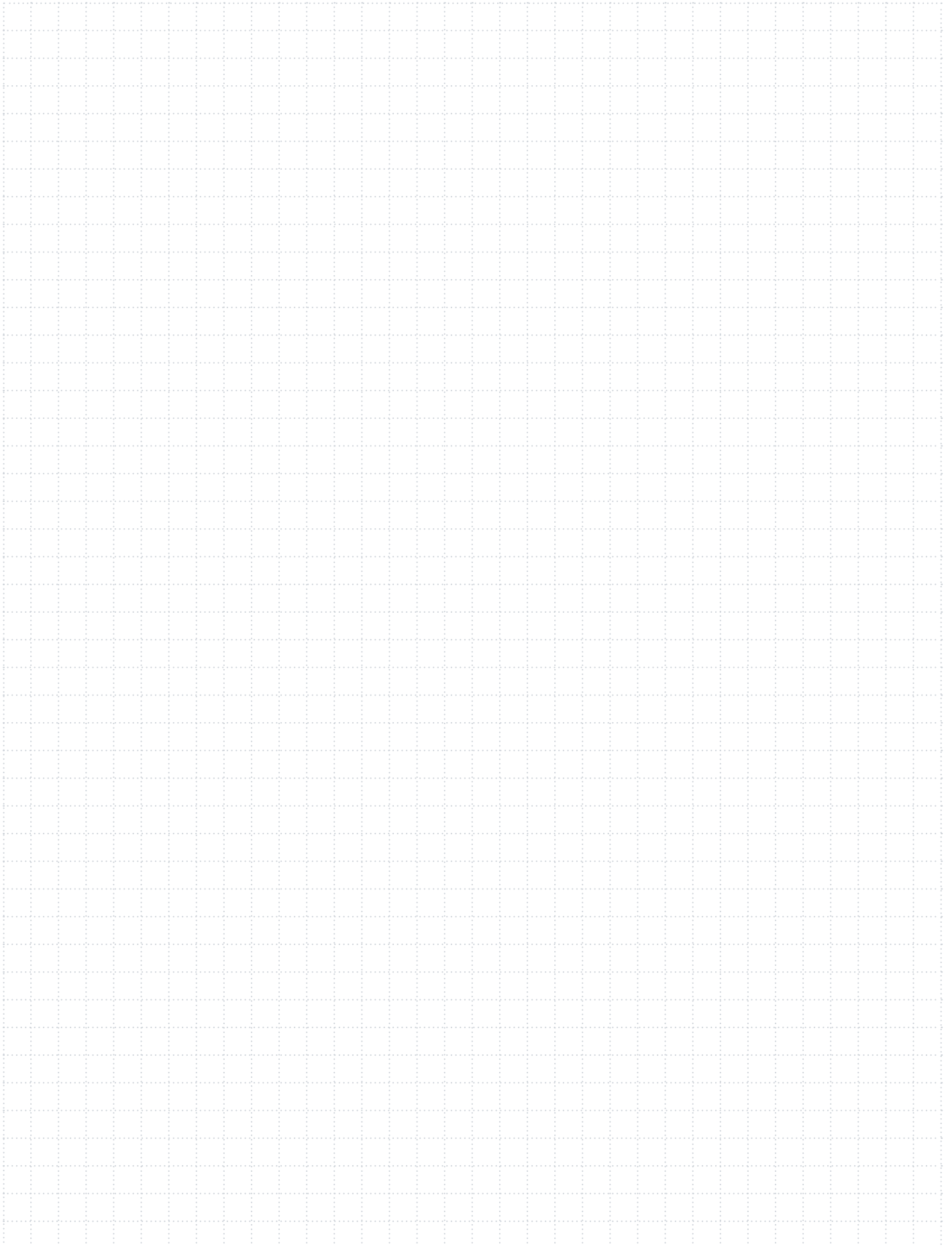
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### Accessories

Labelling

Refer to page 186.

# Notes



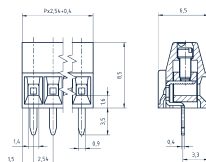
## Clamping yoke terminals

## Terminals



2.54 mm

## PKZ 692/.../2.54-V



## Diagrams

## Wire connect type

## Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

## Cross-section

Solid (rigid) mm<sup>2</sup>Finely stranded (flexible) mm<sup>2</sup>Finely stranded (with wire-end ferrule) mm<sup>2</sup>

## Ratings

## User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section AWG / mm<sup>2</sup>

Rated surge voltage (kV)

Torque NM / Screw size

Contamination degree

## Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Soldering lug

## Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min. / max.

## Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14100.1	50
3	14101.1	50
4	14102.1	50
5	14103.1	50
6	14104.1	50
7	14105.1	50
8	14106.1	50
9	14107.1	50
10	14108.1	50
11	14109.1	50
12	14110.1	50
13	14111.1	50
14	14112.1	50
15	14113.1	50
16	14114.1	50
17	14115.1	50
18	14117.1	50
19	14118.1	50
20	14119.1	50
21	14120.1	50
22	14121.1	50
23	14122.1	50
24	14116.1	50

## Accessories

Labelling

## Clamping yoke

2.54

4.00

1.30

0.14-0.75

0.14-0.75

0.14-0.34

## cULus



B	C	D	
150			130
7			9
			III
30-18			0.75
1.30			1.25
0.1/M1.6			0.1/M1.6
			3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Brass

260 °C

3 / 4 s

Refer to page 186.

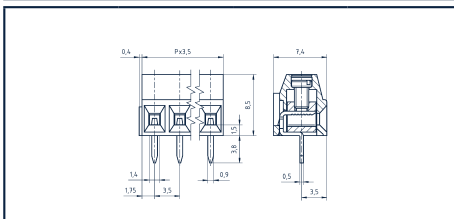
**Terminals**



**PK 601/.../3.50-V**



**Diagrams**




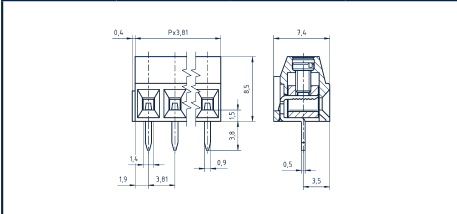
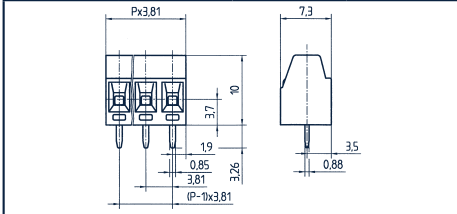


<b>Wire connect type</b>	Clamping yoke		
<b>Dimensions</b>			
Pitch, mm	3.50		
Stripping length, mm	6.00		
Drill hole diameter, mm	1.20		
<b>Cross-section</b>			
Solid (rigid) mm <sup>2</sup>	0.08-1.50		
Finely stranded (flexible) mm <sup>2</sup>	0.08-1.00		
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.34		
<b>Ratings</b>	cULus		
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage (V)	150		160
Rated current (A)	10		10
Overvoltage category			III
Max. cross-section AWG / mm <sup>2</sup>	28-16		1.00
Rated surge voltage (kV)	1.30		1.25
Torque NM / Screw size	0.2/M2		0.2/M2
Contamination degree			3
<b>Material</b>			
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C		
Clamping element	Brass		
Screw	Steel		
Soldering lug	Brass		
<b>Wave soldering process</b>			
Recommended wave soldering temperature	260 °C		
Recommended wave soldering time, min. / max.	3 / 4 s		
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
		● (RAL 6018)	
	2	14123.1	50
	3	14124.1	50
	4	14125.1	50
	5	14126.1	50
	6	14127.1	50
	7	14128.1	50
	8	14129.1	50
	9	14130.1	50
	10	14131.1	50
	11	14132.1	50
	12	14133.1	50
	13	14134.1	50
	14	14135.1	50
	15	14136.1	50
	16	14137.1	50
	17	14138.1	50
	18	14139.1	50
	19	14140.1	50
	20	14141.1	50
	21	14142.1	50
	22	14143.1	50
	23	14144.1	50
	24	14145.1	50

**Accessories**

Labelling Refer to page 186.

# Clamping yoke terminals

Terminals	PKZ 601/.../3.81-V	PKZ 602/.../3.81-V
		
<b>Diagrams</b>		
<b>Wire connect type</b>	Clamping yoke	Clamping yoke
<b>Dimensions</b>		
Pitch, mm	3.81	3.81
Stripping length, mm	6.00	5.00
Drill hole diameter, mm	1.20	1.10
<b>Cross-section</b>		
Solid (rigid) mm <sup>2</sup>	0.08-1.50	0.14-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.08-1.00	0.14-1.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.34	0.25-0.50
<b>Ratings</b>		
<b>User group</b>	<b>cULus*</b>	<b>cULus</b>
	<b>B C D</b>	<b>B C D</b>
Rated voltage (V)	150	130
Rated current (A)	10	10
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	28-16	30-16
Rated surge voltage (kV)	1.30	1.60
Torque NM / Screw size	0.2/M2	0.25/M2
Contamination degree	3	3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Brass	Brass
Screw	Steel	Bronze
Soldering lug	Brass	Copper alloy
<b>Wave soldering process</b>		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
<b>Order information</b>	<b>No. of poles Cat. no. Qty.</b>	<b>No. of poles Cat. no. Qty.</b>
	● (RAL 6018)	● (RAL 6018)
	2 31452.1 50	2 12878.1 50
	3 31453.1 50	3 12879.1 50
	4 31454.1 50	4 12880.1 50
	5 31455.1 50	5 12881.1 50
	6 31456.1 50	6 12882.1 50
	7 31457.1 50	7 12883.1 50
	8 31458.1 50	8 12884.1 50
	9 31459.1 50	9 12885.1 50
	10 31460.1 50	10 12886.1 50
	11 31461.1 50	11 12887.1 50
	12 31462.1 50	12 12888.1 50
	13 31463.1 50	13 12889.1 50
	14 31464.1 50	14 12890.1 50
	15 31465.1 50	15 12891.1 50
	16 31466.1 50	16 12892.1 50
	17 31467.1 50	
	18 31468.1 50	
	19 31469.1 50	
	20 31470.1 50	
	21 31471.1 50	
	22 31472.1 50	
	23 31473.1 50	
	24 31474.1 50	
<b>Accessories</b>		
Labelling	Refer to page 186.	Refer to page 186.

\* Approvals applied for



Terminals



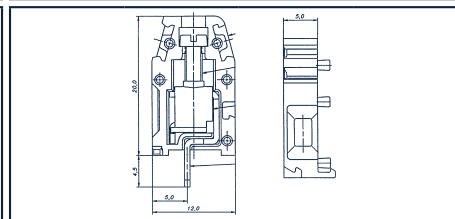
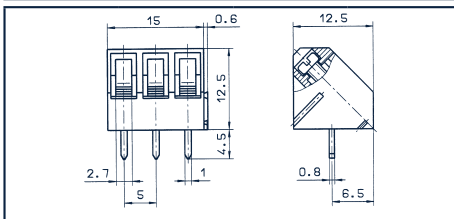
PK 300/.../5.00



PK 2.5/.../5.00



Diagrams



Wire connect type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm	5.00
Stripping length, mm	7.00
Drill hole diameter, mm	1.30

Pitch, mm	5.00
Stripping length, mm	7.00
Drill hole diameter, mm	1.30

Pitch, mm	5.00
Stripping length, mm	7.00
Drill hole diameter, mm	1.30

Cross-section

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50

Solid (rigid) mm <sup>2</sup>	0.08-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50

Ratings

User group

User group	cULus			VDE
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	15		10	24
Oversoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-12		22-12	2.50
Rated surge voltage (kV)	1.60		1.60	2.00
Torque NM / Screw size	0.4/M2.6		0.4/M2.6	0.4/M2.6
Contamination degree				3

User group	cULus*			VDE*
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	20		10	16
Oversoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	24-14		22-12	2.50
Rated surge voltage (kV)	1.60		1.60	4.00
Torque NM / Screw size	0.6/M2.6		0.4/M2.6	0.6/M2.5
Contamination degree				3

User group	cULus*			VDE*
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	20		10	16
Oversoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	24-14		22-12	2.50
Rated surge voltage (kV)	1.60		1.60	4.00
Torque NM / Screw size	0.6/M2.6		0.4/M2.6	0.6/M2.5
Contamination degree				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Copper alloy

Insulation material / Flammability class	PA 6.6 / UL 94 V-2
Temperature range	-40 °C / +105 °C
Clamping element	Steel
Screw	Steel
Soldering lug	Copper

Insulation material / Flammability class	PA 6.6 / UL 94 V-2
Temperature range	-40 °C / +105 °C
Clamping element	Steel
Screw	Steel
Soldering lug	Copper

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7016)	
2	10313.1 10313.4	50
3	10314.1 10314.4	50
4	10315.1 10315.4	50
5	10316.1 10316.4	50
6	10317.1 10317.4	50
7	10318.1 10318.4	50
8	10319.1 10319.4	50
9	10320.1 10320.4	50
10	10321.1 10321.4	50
11	10322.1 10322.4	50
12	10323.1 10323.4	50
13	12553.1 12553.4	50
14	12554.1 12554.4	50
15	12555.1 12555.4	50
16	12556.1 12556.4	50
17	12557.1 12557.4	50
18	12558.1 12558.4	50
19	12559.1 12559.4	50
20	12560.1 12560.4	50
21	12561.1 12561.4	50
22	12562.1 12562.4	50
23	12563.1 12563.4	50
24	12564.1 12564.4	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 2011)	
2	5002.1 5002.3	50
3	5003.1 5003.3	50
4	5004.1 5004.3	50
5	5005.1 5005.3	50
6	5006.1 5006.3	50
7	5007.1 5007.3	50
8	5008.1 5008.3	50
9	5009.1 5009.3	50
10	5010.1 5010.3	50
11	5011.1 5011.3	50
12	5012.1 5012.3	50
13	5013.1 5013.3	50
14	5014.1 5014.3	50
15	5015.1 5015.3	50
16	5016.1 5016.3	50
17	5017.1 5017.3	50
18	5018.1 5018.3	50
19	5019.1 5019.3	50
20	5020.1 5020.3	50
21	5021.1 5021.3	50
22	5022.1 5022.3	50
23	5023.1 5023.3	50
24	5024.1 5024.3	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 2011)	
2	5002.1 5002.3	50
3	5003.1 5003.3	50
4	5004.1 5004.3	50
5	5005.1 5005.3	50
6	5006.1 5006.3	50
7	5007.1 5007.3	50
8	5008.1 5008.3	50
9	5009.1 5009.3	50
10	5010.1 5010.3	50
11	5011.1 5011.3	50
12	5012.1 5012.3	50
13	5013.1 5013.3	50
14	5014.1 5014.3	50
15	5015.1 5015.3	50
16	5016.1 5016.3	50
17	5017.1 5017.3	50
18	5018.1 5018.3	50
19	5019.1 5019.3	50
20	5020.1 5020.3	50
21	5021.1 5021.3	50
22	5022.1 5022.3	50
23	5023.1 5023.3	50
24	5024.1 5024.3	50


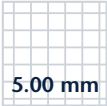


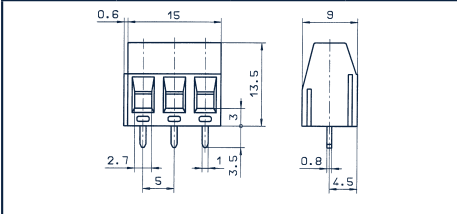
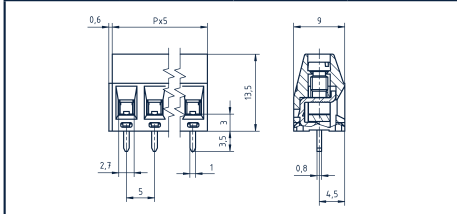
Accessories

Labelling

Refer to page 186.

Refer to page 186.

# Clamping yoke terminals

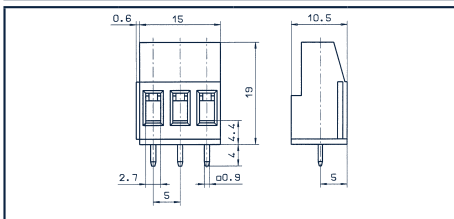
Terminals	PK 350/.../5.00-V	PK 350/.../5.00-V-BR
  <p>5.00 mm</p>		
Diagrams		
Wire connect type	Clamping yoke	Clamping yoke
Dimensions		
Pitch, mm	5.00	5.00
Stripping length, mm	6.00	6.00
Drill hole diameter, mm	1.30	1.30
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.14-2.50	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50	0.25-1.50
Ratings		
User group	cULus	cULus*
Rated voltage (V)	B 300 C 150 D 150	B 300 C 300 D 250
Rated current (A)	15 15 10	15 10 24
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	22-12 22-12 22-12	22-12 22-12
Rated surge voltage (kV)	1.60 1.30 1.30	1.60 1.60
Torque NM / Screw size	0.5 / M 3 0.5 / M 3 0.5 / M 3	0.5/M 3 0.5/M 3
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Brass	Brass
Screw	Steel	Steel
Soldering lug	Brass	Brass
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information		
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	● (RAL 6018)	● (RAL 6018)
	2    10357.1    50	2    31492.1    50
	3    10358.1    50	3    31493.1    50
	4    10359.1    50	4    31494.1    50
	5    10360.1    50	
	6    10361.1    50	
	7    10362.1    50	
	8    10363.1    50	
	9    10364.1    50	
	10    10365.1    50	
	11    10366.1    50	
	12    10367.1    50	
	13    12349.1    50	
	14    12350.1    50	
	15    12351.1    50	
	16    12352.1    50	
	17    12353.1    50	
	18    12354.1    50	
	19    12355.1    50	
	20    12356.1    50	
	21    12357.1    50	
	22    12358.1    50	
	23    12359.1    50	
	24    12360.1    50	
Accessories		
Labelling	Refer to page 186.	Refer to page 186.

\* Approvals applied for

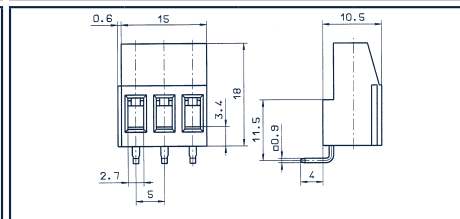
Terminals



PK 700/.../5.00-V



PK 700/.../5.00-H



Diagrams

Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw  
Soldering lug

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10423.1	10423.4	50
3	10424.1	10424.4	50
4	10425.1	10425.4	50
5	10426.1	10426.4	50
6	10427.1	10427.4	50
7	10428.1	10428.4	50
8	10429.1	10429.4	50
9	10430.1	10430.4	50
10	10431.1	10431.4	50
11	10432.1	10432.4	50
12	10433.1	10433.4	50
13	12609.1	12609.4	50
14	12610.1	12610.4	50
15	12611.1	12611.4	50
16	12612.1	12612.4	50
17	12613.1	12613.4	50
18	12614.1	12614.4	50
19	12615.1	12615.4	50
20	12616.1	12616.4	50
21	12617.1	12617.4	50
22	12618.1	12618.4	50
23	12619.1	12619.4	50
24	12620.1	12620.4	50

Clamping yoke

5.00  
8.00  
1.30

cULus

B	C	D	VDE
300	150	300	250
20	20	10	24
III			
30-12	30-12	22-12	2.50
1.60	1.30	1.60	2.00
0.45 / M 3	0.45 / M 3	0.45 / M 3	0.5/M 3
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Copper alloy

260 °C  
3 / 4 s

Clamping yoke

5.00  
8.00  
1.30

cULus

B	C	D	VDE
300		300	250
15		10	24
III			
30-12		22-12	2.50
1.60		1.60	2.00
0.45/M 3		0.45/M 3	0.5/M 3
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Copper alloy

260 °C  
3 / 4 s

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10445.1	10445.4	50
3	10446.1	10446.4	50
4	10447.1	10447.4	50
5	10448.1	10448.4	50
6	10449.1	10449.4	50
7	10450.1	10450.4	50
8	10451.1	10451.4	50
9	10452.1	10452.4	50
10	10453.1	10453.4	50
11	10454.1	10454.4	50
12	10455.1	10455.4	50
13	12633.1	12633.4	50
14	12634.1	12634.4	50
15	12635.1	12635.4	50
16	12636.1	12636.4	50
17	12637.1	12637.4	50
18	12638.1	12638.4	50
19	12639.1	12639.4	50
20	12640.1	12640.4	50
21	12641.1	12641.4	50
22	12642.1	12642.4	50
23	12643.1	12643.4	50
24	12644.1	12644.4	50

Accessories

Screw cover

Cat. no. Qty. 13283.8 100

Labelling

Refer to page 186.

Screw cover

Cat. no. Qty. 13283.8 100

Labelling

Refer to page 186.

# Clamping yoke terminals

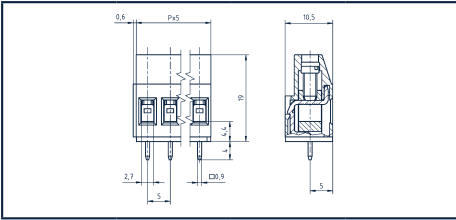
## Terminals



## PK 700/3/5.00-V-BR



## Diagrams



## Wire connect type

## Dimensions

Pitch, mm	5.00
Stripping length, mm	8.00
Drill hole diameter, mm	1.30

## Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

## Ratings

### User group

	B	C	D	VDE*
Rated voltage (V)	300		300	250
Rated current (A)	20		10	24
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	30-12		30-12	2.50
Rated surge voltage (kV)	1.60		1.60	2
Torque NM / Screw size	0.45/M 3		0.45/M 3	0.5/M 3
Contamination degree				3

## Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Copper alloy

## Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

## Order information

No. of poles	Cat. no.	Qty.
1	● (RAL 6018) 31483.1	50

## Clamping yoke

Pitch, mm	5.00
Stripping length, mm	8.00
Drill hole diameter, mm	1.30

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

## cULus\*

	B	C	D	VDE*
Rated voltage (V)	300		300	250
Rated current (A)	20		10	24
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	30-12		30-12	2.50
Rated surge voltage (kV)	1.60		1.60	2
Torque NM / Screw size	0.45/M 3		0.45/M 3	0.5/M 3
Contamination degree				3

## Accessories

### Screw cover

Cat. no.	Qty.	73283.8	100
Labelling		Refer to page 186.	

### AD/PK YE

Cat. no.	Qty.	73283.8	100
Labelling		Refer to page 186.	

Terminals



5.00 mm

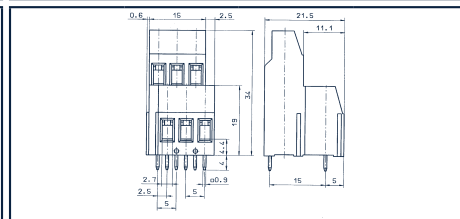
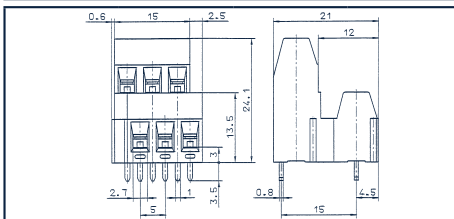
PKD 370/.../5.00-V



PKD 750/.../5.00-V



Diagrams



Wire connect type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm

5.00

5.00

Stripping length, mm

6.00

8.00

Drill hole diameter, mm

1.30

1.30

Cross-section

Solid (rigid) mm<sup>2</sup>

0.14-2.50

0.20-4.00

Finely stranded (flexible) mm<sup>2</sup>

0.14-1.50

0.20-2.50

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-1.50

0.25-2.50

Ratings

User group

cULus				VDE
B	C	D		
300	150	300	250	
15	15	10	17.5	
				III
22-12	22-12	22-12	1.50	
1.60	1.30	1.60	2.00	
0.5 / M 3	0.5 / M 3	0.5 / M 3	0.5/M 3	
				3

cULus				VDE
B	C	D		
300	150	300	250	
20	20	10	24	
				III
30-12	30-12	30-12	2.50	
1.60	1.30	1.60	2.00	
0.45 / M 3	0.45 / M 3	0.45 / M 3	0.5/M 3	
				3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

-40 °C / +105 °C

Clamping element

Brass

Brass

Screw

Steel

Steel

Soldering lug

Brass

Copper alloy

Wave soldering process

Recommended wave soldering temperature

260 °C

260 °C

Recommended wave soldering time, min. / max.

3 / 4 s

3 / 4 s

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10412.1	10412.4	50
3	10413.1	10413.4	50
4	10414.1	10414.4	50
5	10415.1	10415.4	50
6	10416.1	10416.4	50
7	10417.1	10417.4	50
8	10418.1	10418.4	50
9	10419.1	10419.4	50
10	10420.1	10420.4	50
11	10421.1	10421.4	50
12	10422.1	10422.4	50
13	12589.1	12589.4	50
14	12590.1	12590.4	50
15	12591.1	12591.4	50
16	12592.1	12592.4	50
17	12593.1	12593.4	50
18	12594.1	12594.4	50
19	12595.1	12595.4	50
20	12596.1	12596.4	50
21	12597.1	12597.4	50
22	12598.1	12598.4	50
23	12599.1	12599.4	50
24	12600.1	12600.4	50

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10489.1	10489.4	50
3	10490.1	10490.4	50
4	10491.1	10491.4	50
5	10492.1	10492.4	50
6	10493.1	10493.4	50
7	10494.1	10494.4	50
8	10495.1	10495.4	50
9	10496.1	10496.4	50
10	10497.1	10497.4	50
11	10498.1	10498.4	50
12	10499.1	10499.4	50
13	12681.1	12681.4	50
14	12682.1	12682.4	50
15	12683.1	12683.4	50
16	12684.1	12684.4	50
17	12685.1	12685.4	50
18	12686.1	12686.4	50
19	12687.1	12687.4	50
20	12688.1	12688.4	50
21	12689.1	12689.4	50
22	12690.1	12690.4	50
23	12691.1	12691.4	50
24	12692.1	12692.4	50

1 pole = 2 electrical connections

1 pole = 2 electrical connections

Accessories

Screw cover

Cat. no.

Qty.

Labelling

Refer to page 186.


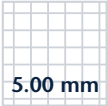


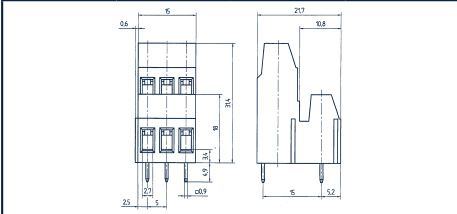
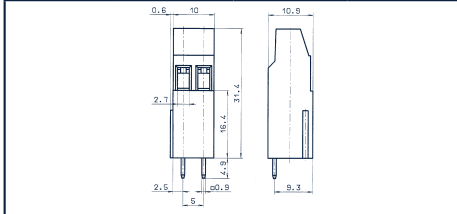


AD/PK YE

13283.8

100

Refer to page 186.

# Clamping yoke terminals

Terminals	PKD 790/.../5.00-V	PKH 793/.../5.00-V																																																																																																																																																						
  <p>5.00 mm</p>																																																																																																																																																								
Diagrams																																																																																																																																																								
Wire connect type	Clamping yoke	Clamping yoke																																																																																																																																																						
Dimensions																																																																																																																																																								
Pitch, mm	5.00	5.00																																																																																																																																																						
Stripping length, mm	8.00	8.00																																																																																																																																																						
Drill hole diameter, mm	1.30	1.30																																																																																																																																																						
Cross-section																																																																																																																																																								
Solid (rigid) mm <sup>2</sup>	0.20-4.00	0.20-4.00																																																																																																																																																						
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50																																																																																																																																																						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50	0.25-2.50																																																																																																																																																						
Ratings	cULus 	cULus 																																																																																																																																																						
User group	<table border="1"> <thead> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td>250</td> </tr> <tr> <td>20</td> <td>20</td> <td>10</td> <td>24</td> </tr> </tbody> </table>	B	C	D		300	150	300	250	20	20	10	24	<table border="1"> <thead> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td>250</td> </tr> <tr> <td>20</td> <td>20</td> <td>10</td> <td>24</td> </tr> </tbody> </table>	B	C	D		300	150	300	250	20	20	10	24																																																																																																																														
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Max. cross-section AWG / mm <sup>2</sup>	30-12 30-12 30-12 2.50	30-12 30-12 30-12 2.50																																																																																																																																																						
Rated surge voltage (kV)	1.60 1.30 1.60 2.00	1.60 1.30 1.60 2.00																																																																																																																																																						
Torque NM / Screw size	0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3	0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3																																																																																																																																																						
Contamination degree	3	3																																																																																																																																																						
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Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s																																																																																																																																																						
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	1 pole = 2 electrical connections																																																																																																																																																							
Accessories																																																																																																																																																								
Screw cover	AD/PK YE	AD/PK YE																																																																																																																																																						
Cat. no.	13283.8	13283.8																																																																																																																																																						
Qty.	100	100																																																																																																																																																						
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																						

**Terminals**



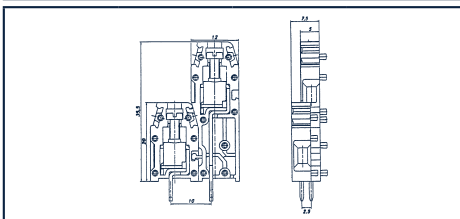
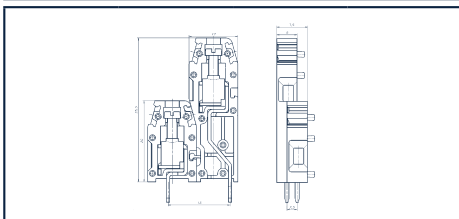
**PKDL 2.5/.../5.00**



**PKDR 2.5/.../5.00**



**Diagrams**



**Wire connect type**

Clamping yoke

Clamping yoke

**Dimensions**

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
7.00  
1.30

5.00  
7.00  
1.30

**Cross-section**

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-4.00  
0.20-2.50  
0.20-2.50

0.20-4.00  
0.20-2.50  
0.20-2.50

**Ratings**

**User group**

cULus\*      VDE\*

cULus\*      VDE\*

**Rated voltage (V)**

B      C      D      250

B      C      D      250

**Rated current (A)**

300      20      13

300      20      16

**Overvoltage category**

III

III

**Max. cross-section AWG / mm<sup>2</sup>**

24-14      2.50

24-14      2.50

**Rated surge voltage (kV)**

4.00

4.00

**Torque NM / Screw size**

0.6/M 2.5      0.6/M 2.5

0.6/M 2.5      0.6/M 2.5

**Contamination degree**

3

3

**Material**

**Insulation material / Flammability class**

PA 6.6 / UL 94 V-2

PA 6.6 / UL 94 V-2

**Temperature range**

-40 °C / +105 °C

-40 °C / +105 °C

**Clamping element**

Steel

Steel

**Screw**

Steel

Steel

**Soldering lug**

Copper

Copper

**Wave soldering process**

**Recommended wave soldering temperature**

260 °C

260 °C

**Recommended wave soldering time, min. / max.**

3 / 4 s

3 / 4 s

**Order information**

No. of poles      Cat. no.      Qty.

No. of poles      Cat. no.      Qty.

2	● (RAL 6018)	
3		
4	5204.1	50
5		
6	5206.1	50
7		
8	5208.1	50
9		
10	5210.1	50
11		
12	5212.1	50
13		
14	5214.1	50
15		
16	5216.1	50
17		
18	5218.1	50
19		
20	5220.1	50
21		
22	5222.1	50
23		
24	5224.1	50

2	● (RAL 2011)	
3		
4	5204.3	50
5		
6	5206.3	50
7		
8	5208.3	50
9		
10	5210.3	50
11		
12	5212.3	50
13		
14	5214.3	50
15		
16	5216.3	50
17		
18	5218.3	50
19		
20	5220.3	50
21		
22	5222.3	50
23		
24	5224.3	50

**Accessories**





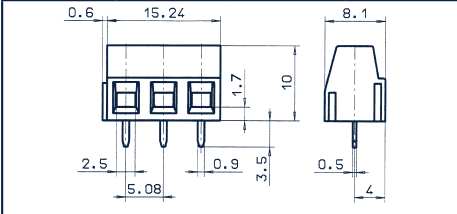
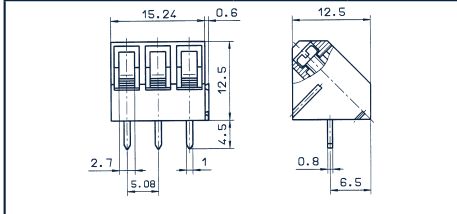


**Labelling**

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Clamping yoke terminals

Terminals	PK 250/.../5.08-V	PK 300/.../5.08						
  <p>5.08 mm</p>								
Diagrams								
Wire connect type	Clamping yoke	Clamping yoke						
Dimensions								
Pitch, mm	5.08	5.08						
Stripping length, mm	6.00	7.00						
Drill hole diameter, mm	1.30	1.30						
Cross-section								
Solid (rigid) mm <sup>2</sup>	0.14-1.50	0.14-2.50						
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50	0.25-1.50						
Ratings								
User group	cULus 				cULus 			
Rated voltage (V)	B 300	C 150	D 300	250	B 300	C 300	D 300	250
Rated current (A)	15	15	10	13	15	10	10	24
Overvoltage category	III				III			
Max. cross-section AWG / mm <sup>2</sup>	28-14	28-14	28-14	1.50	22-12	22-12	22-12	1.50
Rated surge voltage (kV)	1.60	1.30	1.60	2.00	1.60	1.60	1.60	2.00
Torque NM / Screw size	0.5 / M 3	0.5 / M 3	0.5 / M 3	0.5/M 3	0.5/M 2.6	0.5/M 2.6	0.5/M 2.6	0.4/M 2.6
Contamination degree	3				3			
Material								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Clamping element	Brass				Brass			
Screw	Steel				Steel			
Soldering lug	Bronze				Copper alloy			
Wave soldering process								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min. / max.	3 / 4 s				3 / 4 s			
Order information	No. of poles	Cat. no.		Qty.	No. of poles	Cat. no.		Qty.
		● (RAL 6018) ● (RAL 7016)				● (RAL 6018) ● (RAL 7016)		
	2	10291.1 10291.4		50	2	10324.1 10324.4		50
	3	10292.1 10292.4		50	3	10325.1 10325.4		50
	4	10293.1 10293.4		50	4	10326.1 10326.4		50
	5	10294.1 10294.4		50	5	10327.1 10327.4		50
	6	10295.1 10295.4		50	6	10328.1 10328.4		50
	7	10296.1 10296.4		50	7	10329.1 10329.4		50
	8	10297.1 10297.4		50	8	10330.1 10330.4		50
	9	10298.1 10298.4		50	9	10331.1 10331.4		50
	10	10299.1 10299.4		50	10	10332.1 10332.4		50
	11	10300.1 10300.4		50	11	10333.1 10333.4		50
	12	10301.1 10301.4		50	12	10334.1 10334.4		50
	13	12541.1 12541.4		50	13	12565.1 12565.4		50
	14	12542.1 12542.4		50	14	12566.1 12566.4		50
	15	12543.1 12543.4		50	15	12567.1 12567.4		50
	16	12544.1 12544.4		50	16	12568.1 12568.4		50
	17	12545.1 12545.4		50	17	12569.1 12569.4		50
	18	12546.1 12546.4		50	18	12570.1 12570.4		50
	19	12547.1 12547.4		50	19	12571.1 12571.4		50
	20	12548.1 12548.4		50	20	12572.1 12572.4		50
	21	12549.1 12549.4		50	21	12573.1 12573.4		50
	22	12550.1 12550.4		50	22	12574.1 12574.4		50
	23	12551.1 12551.4		50	23	12575.1 12575.4		50
	24	12552.1 12552.4		50	24	12576.1 12576.4		50
Accessories								
Labelling	Refer to page 186.				Refer to page 186.			



Terminals

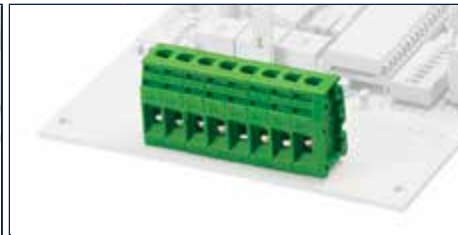


5.08 mm

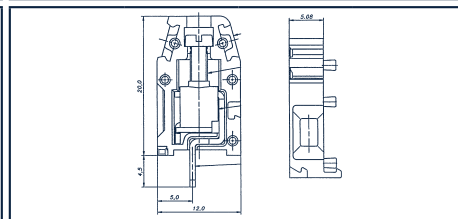
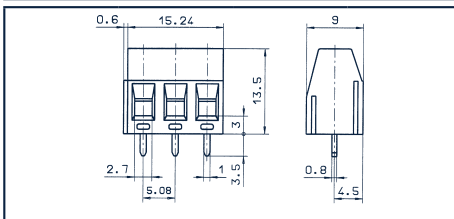
PK 350/.../5.08-V



PK 2.5/.../5.08



Diagrams



Wire connect type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm	5.08
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

Pitch, mm	5.08
Stripping length, mm	7.00
Drill hole diameter, mm	1.30

Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-1.50

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

Ratings

User group

cULus				
B	C	D		
300	150	300	250	
15	15	10	17.5	
				III
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12	22-12	1.50
Rated surge voltage (kV)	1.60	1.30	1.60	2.00
Torque NM / Screw size	0.5 / M 3	0.5 / M 3	0.5 / M 3	0.5/M 3
Contamination degree				3

cULus*				
B	C	D		
300			250	
20			16	
				III
Max. cross-section AWG / mm <sup>2</sup>	24-14			2.50
Rated surge voltage (kV)				4.00
Torque NM / Screw size	0.6/M 2.5			0.6/M 2.5
Contamination degree				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Brass

Insulation material / Flammability class	PA 6.6 / UL 94 V-2
Temperature range	-40 °C / +105 °C
Clamping element	Steel
Screw	Steel
Soldering lug	Copper

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Order information

No. of poles	Cat. no.	Qty.
	(RAL 6018)	
2	10368.1	50
3	10369.1	50
4	10370.1	50
5	10371.1	50
6	10372.1	50
7	10373.1	50
8	10374.1	50
9	10375.1	50
10	10376.1	50
11	10377.1	50
12	10378.1	50
13	12361.1	50
14	12362.1	50
15	12363.1	50
16	12364.1	50
17	12365.1	50
18	12366.1	50
19	12367.1	50
20	12368.1	50
21	12369.1	50
22	12370.1	50
23	12371.1	50
24	12372.1	50

No. of poles	Cat. no.	Qty.
	(RAL 6018)  (RAL 2011)	
2	5102.1 5102.3	50
3	5103.1 5103.3	50
4	5104.1 5104.3	50
5	5105.1 5105.3	50
6	5106.1 5106.3	50
7	5107.1 5107.3	50
8	5108.1 5108.3	50
9	5109.1 5109.3	50
10	5110.1 5110.3	50
11	5111.1 5111.3	50
12	5112.1 5112.3	50
13	5113.1 5113.3	50
14	5114.1 5114.3	50
15	5115.1 5115.3	50
16	5116.1 5116.3	50
17	5117.1 5117.3	50
18	5118.1 5118.3	50
19	5119.1 5119.3	50
20	5120.1 5120.3	50
21	5121.1 5121.3	50
22	5122.1 5122.3	50
23	5123.1 5123.3	50
24	5124.1 5124.3	50

Accessories



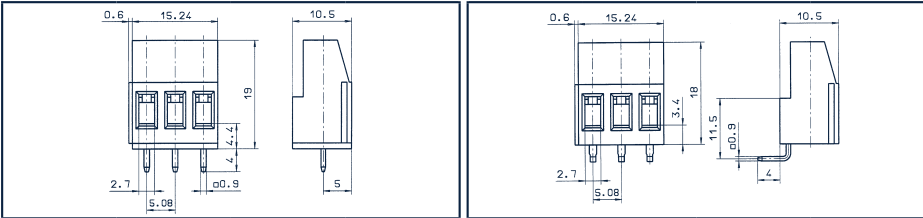
Labelling

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Clamping yoke terminals

Terminals		PK 700/.../5.08-V	PK 700/.../5.08-H																																																																																																																																																						
																																																																																																																																																									
Diagrams																																																																																																																																																									
Wire connect type		Clamping yoke																																																																																																																																																							
Dimensions		Clamping yoke																																																																																																																																																							
Pitch, mm		5.08																																																																																																																																																							
Stripping length, mm		8.00																																																																																																																																																							
Drill hole diameter, mm		1.30																																																																																																																																																							
Cross-section		Clamping yoke																																																																																																																																																							
Solid (rigid) mm <sup>2</sup>		0.20-4.00																																																																																																																																																							
Finely stranded (flexible) mm <sup>2</sup>		0.20-2.50																																																																																																																																																							
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.20-2.50																																																																																																																																																							
Ratings		Clamping yoke																																																																																																																																																							
User group		<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th colspan="4">VDE</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td>250</td> <td>300</td> <td></td> <td>300</td> <td>250</td> </tr> <tr> <td>20</td> <td>20</td> <td>10</td> <td>24</td> <td>15</td> <td></td> <td>10</td> <td>24</td> </tr> <tr> <td colspan="4"></td> <td colspan="4">III</td> </tr> <tr> <td colspan="2">Max. cross-section AWG / mm<sup>2</sup></td> <td colspan="2">30-12 30-12 30-12 2.50</td> <td colspan="2">30-12 30-12 2.50</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Rated surge voltage (kV)</td> <td colspan="2">1.60 1.30 1.60 2.00</td> <td colspan="2">1.60 1.60 2.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Torque NM / Screw size</td> <td colspan="2">0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3</td> <td colspan="2">0.45/M 3 0.45/M 3 0.5/M 3</td> <td colspan="2">0.5/M 3</td> </tr> <tr> <td colspan="2">Contamination degree</td> <td colspan="2">3</td> <td colspan="2">3</td> <td colspan="2">3</td> </tr> </tbody> </table>		cULus				VDE				B	C	D		B	C	D		300	150	300	250	300		300	250	20	20	10	24	15		10	24					III				Max. cross-section AWG / mm <sup>2</sup>		30-12 30-12 30-12 2.50		30-12 30-12 2.50				Rated surge voltage (kV)		1.60 1.30 1.60 2.00		1.60 1.60 2.00				Torque NM / Screw size		0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3		0.45/M 3 0.45/M 3 0.5/M 3		0.5/M 3		Contamination degree		3		3		3																																																																															
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B	C	D		B	C	D																																																																																																																																																			
300	150	300	250	300		300	250																																																																																																																																																		
20	20	10	24	15		10	24																																																																																																																																																		
				III																																																																																																																																																					
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Recommended wave soldering time, min. / max.		3 / 4 s																																																																																																																																																							
Order information		Clamping yoke																																																																																																																																																							
		<table border="1"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> <tr> <td></td> <td>● (RAL 6018) ● (RAL 7016)</td> <td></td> <td></td> <td>● (RAL 6018) ● (RAL 7016)</td> <td></td> </tr> </thead> <tbody> <tr><td>2</td><td>10434.1 10434.4</td><td>50</td><td>2</td><td>10456.1 10456.4</td><td>50</td></tr> <tr><td>3</td><td>10435.1 10435.4</td><td>50</td><td>3</td><td>10457.1 10457.4</td><td>50</td></tr> <tr><td>4</td><td>10436.1 10436.4</td><td>50</td><td>4</td><td>10458.1 10458.4</td><td>50</td></tr> <tr><td>5</td><td>10437.1 10437.4</td><td>50</td><td>5</td><td>10459.1 10459.4</td><td>50</td></tr> <tr><td>6</td><td>10438.1 10438.4</td><td>50</td><td>6</td><td>10460.1 10460.4</td><td>50</td></tr> <tr><td>7</td><td>10439.1 10439.4</td><td>50</td><td>7</td><td>10461.1 10461.4</td><td>50</td></tr> <tr><td>8</td><td>10440.1 10440.4</td><td>50</td><td>8</td><td>10462.1 10462.4</td><td>50</td></tr> <tr><td>9</td><td>10441.1 10441.4</td><td>50</td><td>9</td><td>10463.1 10463.4</td><td>50</td></tr> <tr><td>10</td><td>10442.1 10442.4</td><td>50</td><td>10</td><td>10464.1 10464.4</td><td>50</td></tr> <tr><td>11</td><td>10443.1 10443.4</td><td>50</td><td>11</td><td>10465.1 10465.4</td><td>50</td></tr> <tr><td>12</td><td>10444.1 10444.4</td><td>50</td><td>12</td><td>10466.1 10466.4</td><td>50</td></tr> <tr><td>13</td><td>12621.1 12621.4</td><td>50</td><td>13</td><td>12645.1 12645.4</td><td>50</td></tr> <tr><td>14</td><td>12622.1 12622.4</td><td>50</td><td>14</td><td>12646.1 12646.4</td><td>50</td></tr> <tr><td>15</td><td>12623.1 12623.4</td><td>50</td><td>15</td><td>12647.1 12647.4</td><td>50</td></tr> <tr><td>16</td><td>12624.1 12624.4</td><td>50</td><td>16</td><td>12648.1 12648.4</td><td>50</td></tr> <tr><td>17</td><td>12625.1 12625.4</td><td>50</td><td>17</td><td>12649.1 12649.4</td><td>50</td></tr> <tr><td>18</td><td>12626.1 12626.4</td><td>50</td><td>18</td><td>12650.1 12650.4</td><td>50</td></tr> <tr><td>19</td><td>12627.1 12627.4</td><td>50</td><td>19</td><td>12651.1 12651.4</td><td>50</td></tr> <tr><td>20</td><td>12628.1 12628.4</td><td>50</td><td>20</td><td>12652.1 12652.4</td><td>50</td></tr> <tr><td>21</td><td>12629.1 12629.4</td><td>50</td><td>21</td><td>12653.1 12653.4</td><td>50</td></tr> <tr><td>22</td><td>12630.1 12630.4</td><td>50</td><td>22</td><td>12654.1 12654.4</td><td>50</td></tr> <tr><td>23</td><td>12631.1 12631.4</td><td>50</td><td>23</td><td>12655.1 12655.4</td><td>50</td></tr> <tr><td>24</td><td>12632.1 12632.4</td><td>50</td><td>24</td><td>12656.1 12656.4</td><td>50</td></tr> </tbody> </table>		No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.		● (RAL 6018) ● (RAL 7016)			● (RAL 6018) ● (RAL 7016)		2	10434.1 10434.4	50	2	10456.1 10456.4	50	3	10435.1 10435.4	50	3	10457.1 10457.4	50	4	10436.1 10436.4	50	4	10458.1 10458.4	50	5	10437.1 10437.4	50	5	10459.1 10459.4	50	6	10438.1 10438.4	50	6	10460.1 10460.4	50	7	10439.1 10439.4	50	7	10461.1 10461.4	50	8	10440.1 10440.4	50	8	10462.1 10462.4	50	9	10441.1 10441.4	50	9	10463.1 10463.4	50	10	10442.1 10442.4	50	10	10464.1 10464.4	50	11	10443.1 10443.4	50	11	10465.1 10465.4	50	12	10444.1 10444.4	50	12	10466.1 10466.4	50	13	12621.1 12621.4	50	13	12645.1 12645.4	50	14	12622.1 12622.4	50	14	12646.1 12646.4	50	15	12623.1 12623.4	50	15	12647.1 12647.4	50	16	12624.1 12624.4	50	16	12648.1 12648.4	50	17	12625.1 12625.4	50	17	12649.1 12649.4	50	18	12626.1 12626.4	50	18	12650.1 12650.4	50	19	12627.1 12627.4	50	19	12651.1 12651.4	50	20	12628.1 12628.4	50	20	12652.1 12652.4	50	21	12629.1 12629.4	50	21	12653.1 12653.4	50	22	12630.1 12630.4	50	22	12654.1 12654.4	50	23	12631.1 12631.4	50	23	12655.1 12655.4	50	24	12632.1 12632.4	50	24	12656.1 12656.4	50
No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.																																																																																																																																																				
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Accessories		Clamping yoke																																																																																																																																																							
Screw cover		AD/PK YE																																																																																																																																																							
Cat. no.		13283.8																																																																																																																																																							
Qty.		100																																																																																																																																																							
Labelling		Refer to page 186.																																																																																																																																																							

**Terminals**

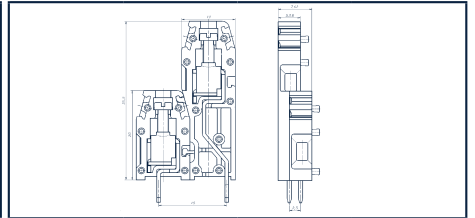
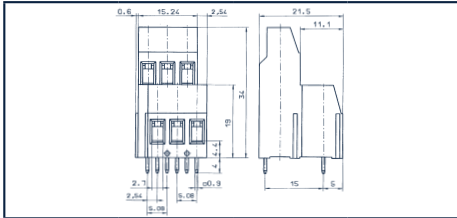


**PKD 750/.../5.08-V**

**PKDL 2.5/.../5.08**



**Diagrams**



**Wire connect type**

Clamping yoke

Clamping yoke

**Dimensions**

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.08  
8.00  
1.30

5.08  
7.00  
1.30

**Cross-section**

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-4.00  
0.20-2.50  
0.25-2.50

0.20-4.00  
0.20-2.50  
0.25-2.50

**Ratings**

**User group**

cULus

cULus\*

**Rated voltage (V)**

B	C	D	
300	150	300	250
20	20	10	24

B	C	D	
300			250
20			13

**Rated current (A)**

**Overvoltage category**

**Max. cross-section AWG / mm<sup>2</sup>**

**Rated surge voltage (kV)**

**Torque NM / Screw size**

**Contamination degree**

30-12 30-12 30-12 2.50  
1.60 1.30 1.60 2.00  
0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3  
3

24-14 2.50  
4.00  
0.6/M 2.5 0.6/M 2.5  
3

**Material**

**Insulation material / Flammability class**

**Temperature range**

**Clamping element**

**Screw**

**Soldering lug**

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Copper alloy

PA 6.6 / UL 94 V-2  
-40 °C / +105 °C  
Steel  
Steel  
Copper

**Wave soldering process**

**Recommended wave soldering temperature**

**Recommended wave soldering time, min. / max.**

260 °C  
3 / 4 s

260 °C  
3 / 4 s

**Order information**

No. of poles Cat. no. Qty.

No. of poles Cat. no. Qty.

No. of poles	Cat. no.	Qty.
	(RAL 6018)  (RAL 7016)	
2	10500.1 10500.4	50
3	10501.1 10501.4	50
4	10502.1 10502.4	50
5	10503.1 10503.4	50
6	10504.1 10504.4	50
7	10505.1 10505.4	50
8	10506.1 10506.4	50
9	10507.1 10507.4	50
10	10508.1 10508.4	50
11	10509.1 10509.4	50
12	10510.1 10510.4	50
13	12789.1 12789.4	50
14	12790.1 12790.4	50
15	12791.1 12791.4	50
16	12792.1 12792.4	50
17	12793.1 12793.4	50
18	12794.1 12794.4	50
19	12795.1 12795.4	50
20	12796.1 12796.4	50
21	12797.1 12797.4	50
22	12798.1 12798.4	50
23	12799.1 12799.4	50
24	12800.1 12800.4	50

No. of poles	Cat. no.	Qty.
	(RAL 6018)	
2		
3		
4	5304.1	50
5		
6	5306.1	50
7		
8	5308.1	50
9		
10	5310.1	50
11		
12	5312.1	50
13		
14	5314.1	50
15		
16	5316.1	50
17		
18	5318.1	50
19		
20	5320.1	50
21		
22	5322.1	50
23		
24	5324.1	50

**Accessories**

**Screw cover**

Cat. no. Qty. 13283.8 100

Labelling Refer to page 186.

AD/PK YE





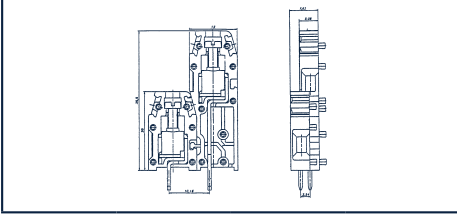
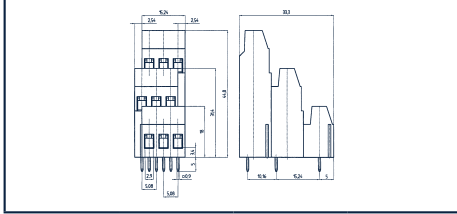


13283.8 100

Refer to page 186.

Refer to page 186.

\* Approvals applied for

# Clamping yoke terminals

Terminals	PKDR 2.5/.../5.08	PKDZ 770/.../5.08-V
  <p>5.08 mm</p>		
Diagrams		
Wire connect type	Clamping yoke	Clamping yoke
Dimensions		
Pitch, mm	5.08	5.08
Stripping length, mm	7.00	8.00
Drill hole diameter, mm	1.30	1.30
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.20-4.00	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50	0.25-2.50
Ratings		
User group	cULus* 	cULus 
Rated voltage (V)	B 300 C 20 D 250	B 300 C 150 D 300
Rated current (A)	13	20 20 10
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	24-14 2.50	30-12 30-12 30-12 2.50
Rated surge voltage (kV)	4.00	1.60 1.30 1.60 2.00
Torque NM / Screw size	0.6/M 2.5 0.6/M 2.5	0.45 / M 3 0.45 / M 3 0.45 / M 3 0.5/M 3
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-2	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Steel	Brass
Screw	Steel	Steel
Soldering lug	Copper	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	● (RAL 2011)	● (RAL 6018)
	2	2
	3	3
	4 5304.3 50	4 12926.1 50
	5	5 12927.1 50
	6 5306.3 50	6 12928.1 50
	7	7 12929.1 50
	8 5308.3 50	8 12930.1 50
	9	9 12931.1 50
	10 5310.3 50	10 12932.1 50
	11	11 12933.1 50
	12 5312.3 50	12 12934.1 50
	13	13 12935.1 50
	14 5314.3 50	14 12936.1 50
	15	15 12937.1 50
	16 5316.3 50	16 12938.1 50
	17	17 12939.1 50
	18 5318.3 50	18 12940.1 50
	19	19 12941.1 50
	20 5320.3 50	20 12942.1 50
	21	21 12943.1 50
	22 5322.3 50	22 12944.1 50
	23	23 12945.1 50
	24 5324.3 50	24 12946.1 50
Accessories		1 pole = 3 electrical connections
Labelling	Refer to page 186.	Refer to page 186.

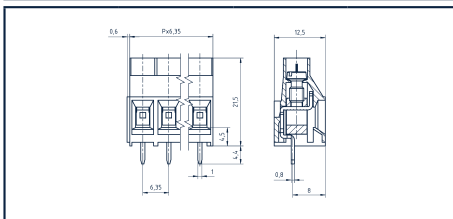
\* Approvals applied for

**Terminals**

**PKZ 840/.../6.35-V**



**Diagrams**





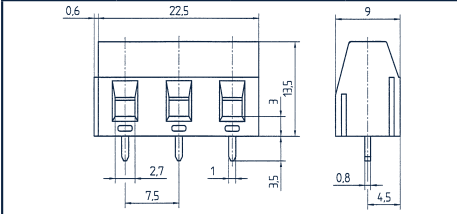
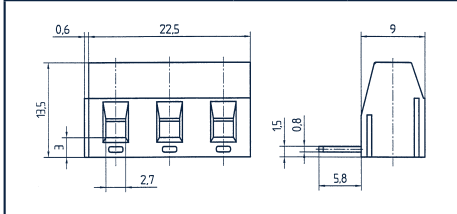




<b>Wire connect type</b>	Clamping yoke		
<b>Dimensions</b>			
Pitch, mm	6.35		
Stripping length, mm	7.00		
Drill hole diameter, mm	1.60		
<b>Cross-section</b>			
Solid (rigid) mm <sup>2</sup>	0.20-6.00		
Finely stranded (flexible) mm <sup>2</sup>	0.20-4.00		
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-4.00		
<b>Ratings</b>	cULus		
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage (V)	300		300
Rated current (A)	30		10
Overvoltage category			III
Max. cross-section AWG / mm <sup>2</sup>	28-10		28-10
Rated surge voltage (kV)	1.60		1.60
Torque NM / Screw size	0.8/M 3.5		0.8/M 3.5
Contamination degree			3
<b>Material</b>			
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C		
Clamping element	Brass		
Screw	Steel		
Soldering lug	Brass		
<b>Wave soldering process</b>			
Recommended wave soldering temperature	260 °C		
Recommended wave soldering time, min. / max.	3 / 4 s		
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)		● (RAL 6018)	
Other colours on request.			
	2	10523.1	50
	3	10524.1	50
	4	10525.1	50
	5	10526.1	50
	6	10527.1	50
	7	10528.1	50
	8	10529.1	50
	9	10530.1	50
	10	10531.1	50
	11	10532.1	50
	12	10533.1	50
	13	12714.1	50
	14	12715.1	50
	15	12716.1	50
	16	12717.1	50

**Accessories**

Labelling Refer to page 186.

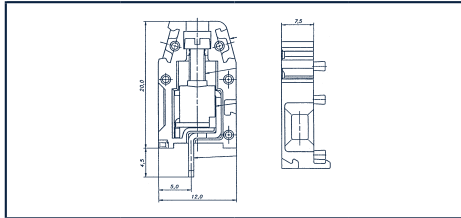
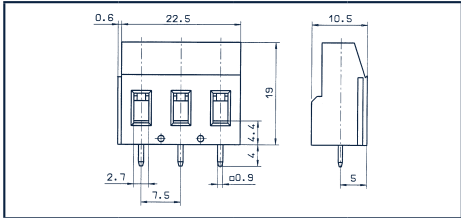
# Clamping yoke terminals

Terminals	PK 360/.../7.50-V	PK 360/.../7.50-H																																																																																																																																																						
  <p>7.50 mm</p>																																																																																																																																																								
Diagrams																																																																																																																																																								
Wire connect type	Clamping yoke	Clamping yoke																																																																																																																																																						
Dimensions																																																																																																																																																								
Pitch, mm	7.50	7.50																																																																																																																																																						
Stripping length, mm	6.00	6.00																																																																																																																																																						
Drill hole diameter, mm	1.30	1.30																																																																																																																																																						
Cross-section																																																																																																																																																								
Solid (rigid) mm <sup>2</sup>	0.14-2.50	0.14-2.50																																																																																																																																																						
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50																																																																																																																																																						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50	0.25-1.50																																																																																																																																																						
Ratings																																																																																																																																																								
User group	cULus 	cULus 																																																																																																																																																						
Rated voltage (V)	B 300 C 150 D 300	B 300 C 150 D 300																																																																																																																																																						
Rated current (A)	15 15 10	15 15 10																																																																																																																																																						
Overvoltage category	III	III																																																																																																																																																						
Max. cross-section AWG / mm <sup>2</sup>	22-12 22-12 22-12	22-12 22-12 22-12																																																																																																																																																						
Rated surge voltage (kV)	1.60 1.30 1.60	1.60 1.30 1.60																																																																																																																																																						
Torque NM / Screw size	0.5 / M 3 0.5 / M 3 0.5 / M 3	0.5 / M 3 0.5 / M 3 0.5 / M 3																																																																																																																																																						
Contamination degree	3	3																																																																																																																																																						
Material																																																																																																																																																								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0																																																																																																																																																						
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C																																																																																																																																																						
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Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																						

**Terminals** PK 710/.../7.50-V PK 2.5/.../7.50



**Diagrams**



	Clamping yoke				Clamping yoke			
<b>Wire connect type</b>	Clamping yoke				Clamping yoke			
<b>Dimensions</b>								
Pitch, mm	7.50				7.50			
Stripping length, mm	8.00				7.00			
Drill hole diameter, mm	1.30				1.30			
<b>Cross-section</b>								
Solid (rigid) mm <sup>2</sup>	0.20-4.00				0.20-4.00			
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50				0.20-2.50			
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50				0.25-2.50			
<b>Ratings</b>	<b>cULus</b>				<b>cULus*</b>			
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>		<b>B</b>	<b>C</b>	<b>D</b>	
Rated voltage (V)	300	150	300	750	300			450
Rated current (A)	20	20	10	24	20			16
Oversoltage category	III				III			
Max. cross-section AWG / mm <sup>2</sup>	30-12	30-12	30-12	2.50	24-14			2.50
Rated surge voltage (kV)	1.60	1.30	1.60	3.00				4.00
Torque NM / Screw size	0.45 / M 3	0.45 / M 3	0.45 / M 3	0.5/M 3	0.6/M 2.5			0.6/M 2.5
Contamination degree	3				3			
<b>Material</b>								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-2			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Clamping element	Brass				Steel			
Screw	Steel				Steel			
Soldering lug	Copper alloy				Copper			
<b>Wave soldering process</b>								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min. / max.	3 / 4 s				3 / 4 s			





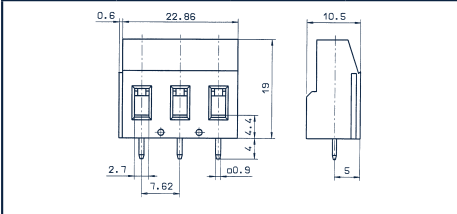
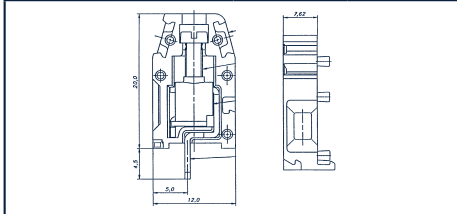
	No. of poles	Cat. no.		Qty.	No. of poles	Cat. no.		Qty.
		● (RAL 6018)	● (RAL 7016)			● (RAL 6018)	● (RAL 2011)	
	2	10467.1	10467.4	50	2	5052.1	5052.3	50
	3	10468.1	10468.4	50	3	5053.1	5053.3	50
	4	10469.1	10469.4	50	4	5054.1	5054.3	50
	5	10470.1	10470.4	50	5	5055.1	5055.3	50
	6	10471.1	10471.4	50	6	5056.1	5056.3	50
	7	10472.1	10472.4	50	7	5057.1	5057.3	50
	8	10473.1	10473.4	50	8	5058.1	5058.3	50
	9	10474.1	10474.4	50	9	5059.1	5059.3	50
	10	10475.1	10475.4	50	10	5060.1	5060.3	50
	11	10476.1	10476.4	50	11	5061.1	5061.3	50
	12	10477.1	10477.4	50	12	5062.1	5062.3	50
	13	12657.1	12657.4	50	13	5063.1	5063.3	50
	14	12658.1	12658.4	50	14	5064.1	5064.3	50
	15	12659.1	12659.4	50	15	5065.1	5065.3	50
	16	12660.1	12660.4	50	16	5066.1	5066.3	50
	17	12661.1	12661.4	50				
	18	12662.1	12662.4	50				
	19	12663.1	12663.4	50				
	20	12664.1	12664.4	50				
	21	12665.1	12665.4	50				
	22	12666.1	12666.4	50				
	23	12667.1	12667.4	50				
	24	12668.1	12668.4	50				

<b>Accessories</b>			
<b>Screw cover</b>	AD/PK YE		
Cat. no.	13283.8	<b>Qty.</b>	<b>100</b>
Labelling	Refer to page 186.		

Refer to page 186.

\* Approvals applied for

# Clamping yoke terminals

Terminals	PK 710/.../7.62-V	PK 2.5/.../7.62																																																																																																																														
  <p>7.62 mm</p>																																																																																																																																
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Accessories																																																																																																																																
Screw cover	AD/PK YE																																																																																																																															
Cat. no.	13283.8	100																																																																																																																														
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																														

\* Approvals applied for



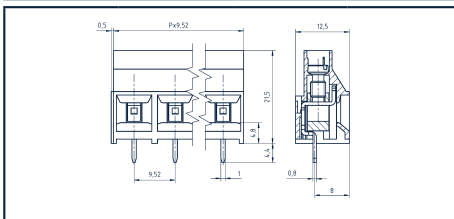
**Terminals**



**PKZ 841/.../9.52-V**



**Diagrams**



<b>Wire connect type</b>	Clamping yoke
<b>Dimensions</b>	
Pitch, mm	9.52
Stripping length, mm	7.00
Drill hole diameter, mm	1.60

<b>Cross-section</b>	
Solid (rigid) mm <sup>2</sup>	0.20-6.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-4.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-4.00

<b>Ratings</b>	<b>cULus</b>			
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>	
Rated voltage (V)	300	300	600	1000
Rated current (A)	30	30	5	32
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	28-10	28-10	28-10	4.00
Rated surge voltage (kV)	1.60	1.60	2.20	3.50
Torque NM / Screw size	0.8 / M 3.5	0.8 / M 3.5	0.8 / M 3.5	0.8/M 3.5
Contamination degree				3

<b>Material</b>	
Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Brass


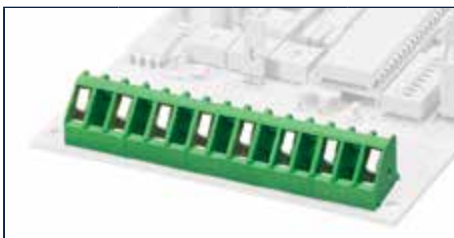
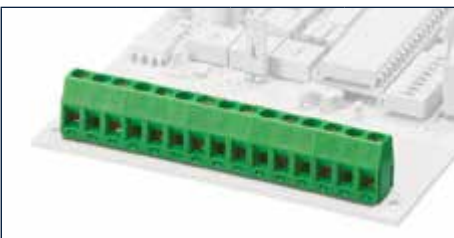
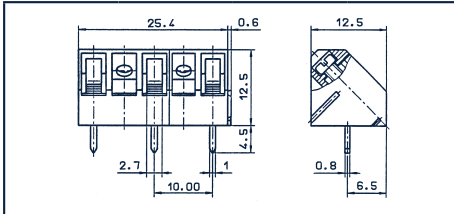
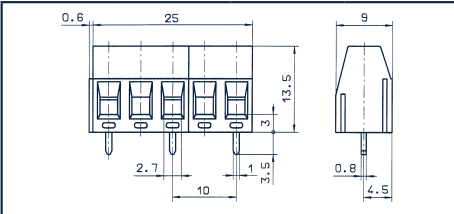
<b>Wave soldering process</b>	
Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
		● (RAL 6018)	
	2	10534.1	50
	3	10535.1	50
	4	10536.1	50
	5	10537.1	50
	6	10538.1	50
	7	10539.1	50
	8	10540.1	50
	9	10541.1	50
	10	10542.1	50
	11	10543.1	50
	12	10544.1	50
	13	12726.1	50
	14	12727.1	50
	15	12728.1	50
	16	12729.1	50

**Accessories**

Labelling	Refer to page 186.
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# Clamping yoke terminals

Terminals	PK 300/.../10.00	PK 350/.../10.00-V																																																																																																																																																						
 <p>10.00 mm</p>																																																																																																																																																								
Diagrams																																																																																																																																																								
Wire connect type	Clamping yoke	Clamping yoke																																																																																																																																																						
Dimensions																																																																																																																																																								
Pitch, mm	10.00	10.00																																																																																																																																																						
Stripping length, mm	7.00	6.00																																																																																																																																																						
Drill hole diameter, mm	1.30	1.30																																																																																																																																																						
Cross-section																																																																																																																																																								
Solid (rigid) mm <sup>2</sup>	0.14-2.50	0.14-2.50																																																																																																																																																						
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50																																																																																																																																																						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50	0.25-1.50																																																																																																																																																						
Ratings	cULus	cULus*																																																																																																																																																						
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Rated surge voltage (kV)	1.60    1.30	1.60    1.30    1.60																																																																																																																																																						
Torque NM / Screw size	0.4/M 2.6    0.4/M 2.6	0.5 / M 3    0.5 / M 3    0.5 / M 3																																																																																																																																																						
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Accessories																																																																																																																																																								
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																						

\* Approvals applied for

Terminals



10.16 mm

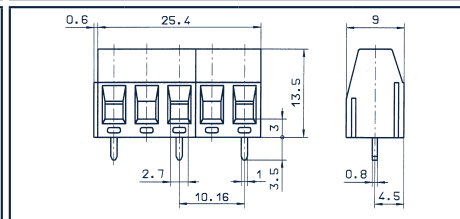
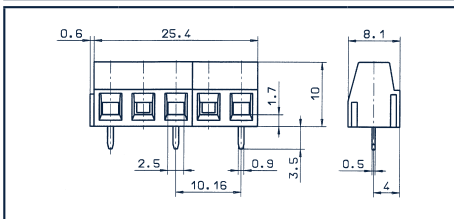
PK 250/.../10.16-V



PK 350/.../10.16-V



Diagrams



Wire connect type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm	10.16
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

Pitch, mm	10.16
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

Cross-section

Solid (rigid) mm <sup>2</sup>	0.14-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.50

Ratings

User group

cULus				
B	C	D		
300	150	300		1000
15	15	10		13
				III
28-14	28-14	28-14		1.50
1.60	1.30	1.60		3.50
0.5 / M 3	0.5 / M 3	0.5 / M 3		0.5/M 3
				3

cULus*				
B	C	D		
300	150	300		1000
15	15	10		17.5
				III
22-12	22-12	22-12		1.50
1.60	1.30	1.60		3.50
0.5 / M 3	0.5 / M 3	0.5 / M 3		0.5/M 3
				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Bronze

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Brass

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	10302.1	50
3	10303.1	50
4	10304.1	50
5	10305.1	50
6	10306.1	50
7	10307.1	50
8	10308.1	50
9	10309.1	50
10	10310.1	50
11	10311.1	50
12	10312.1	50
13	13569.1	50
14	13570.1	50
15	13571.1	50
16	13572.1	50
17	13573.1	50
18	13574.1	50
19	13575.1	50
20	13576.1	50
21	13577.1	50
22	13578.1	50
23	13579.1	50
24	13580.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	10390.1	50
3	10391.1	50
4	10392.1	50
5	10393.1	50
6	10394.1	50
7	10395.1	50
8	10396.1	50
9	10397.1	50
10	10398.1	50
11	10399.1	50
12	10400.1	50
13	13593.1	50
14	13594.1	50
15	13595.1	50
16	13596.1	50
17	13597.1	50
18	13598.1	50
19	13599.1	50
20	13600.1	50
21	13601.1	50
22	13602.1	50
23	13603.1	50
24	13604.1	50

Accessories

Labelling

Refer to page 186.

Refer to page 186.

\* Approvals applied for

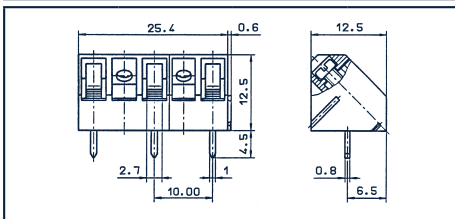
## Clamping yoke terminals

## Terminals



10.16 mm

## PK 300/.../10.16



## Diagrams

## Wire connect type

## Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

## Cross-section

Solid (rigid) mm<sup>2</sup>Finely stranded (flexible) mm<sup>2</sup>Finely stranded (with wire-end ferrule) mm<sup>2</sup>

## Ratings

## User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section AWG / mm<sup>2</sup>

Rated surge voltage (kV)

Torque NM / Screw size

Contamination degree

## Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Soldering lug

## Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min. / max.

## Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10346.1	10346.4	50
3	10347.1	10347.4	50
4	10348.1	10348.4	50
5	10349.1	10349.4	50
6	10350.1	10350.4	50
7	10351.1	10351.4	50
8	10352.1	10352.4	50
9	10353.1	10353.4	50
10	10354.1	10354.4	50
11	10355.1	10355.4	50
12	10356.1	10356.4	50
13	13581.1	13581.4	50
14	13582.1	13582.4	50
15	13583.1	13583.4	50
16	13584.1	13584.4	50
17	13585.1	13585.4	50
18	13586.1	13586.4	50
19	13587.1	13587.4	50
20	13588.1	13588.4	50
21	13589.1	13589.4	50
22	13590.1	13590.4	50
23	13591.1	13591.4	50
24	13592.1	13592.4	50

## Accessories

Labelling

## Clamping yoke

10.16

7.00

1.30

0.14-2.50

0.14-1.50

0.25-1.50

## cULus



B	C	D	
300	150		1000
15	15		24
			III
22-12	22-12		1.50
1.60	1.30		3.50
0.5/M 2.6	0.5/M 2.6		0.4/M 2.6
			3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Copper alloy

260 °C

3 / 4 s

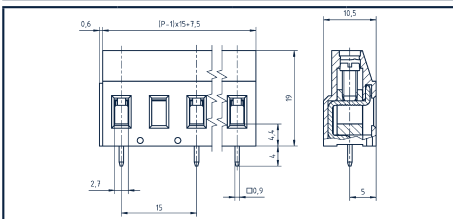
Refer to page 186.

**Terminals**

**PK 710/.../15.00-V**



**Diagrams**





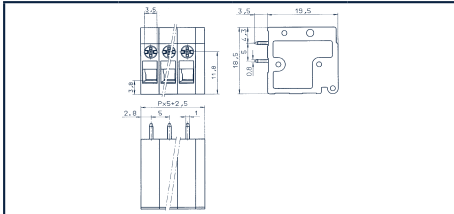
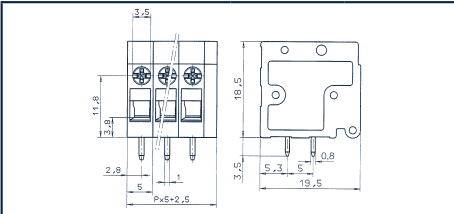




<b>Wire connect type</b>	Clamping yoke		
<b>Dimensions</b>			
Pitch, mm	15.00		
Stripping length, mm	8.00		
Drill hole diameter, mm	1.30		
<b>Cross-section</b>			
Solid (rigid) mm <sup>2</sup>	0.20-4.00		
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50		
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50		
<b>Ratings</b>	cULus		
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage (V)	600	600	1000
Rated current (A)	20	20	24
Overvoltage category	III		
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12	0.5-2.5
Rated surge voltage (kV)	2.20	2.20	3.50
Torque NM / Screw size	0.45/M 3	0.45/M 3	0.5/M 3
Contamination degree	3		
<b>Material</b>			
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C		
Clamping element	Brass		
Screw	Steel		
Soldering lug	Copper alloy		
<b>Wave soldering process</b>			
Recommended wave soldering temperature	260 °C		
Recommended wave soldering time, min. / max.	3 / 4 s		
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
		● (RAL 6018)	
	2	31622.1	50
	3	31623.1	50
	4	31624.1	50
	5	31625.1	50
	6	31626.1	50

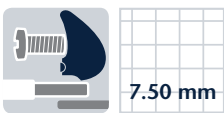
**Accessories**

<b>Screw cover</b>	AD/PK YE		
Cat. no.	Qty.	13283.8	100
Labelling	Refer to page 186.		

# Eccentric top terminals

Terminals	PKT 2200/.../5.00-V	PKT 2200/.../5.00-H						
 								
Diagrams								
Wire connect type	Eccentric top	Eccentric top						
Dimensions								
Pitch, mm	5.00	5.00						
Stripping length, mm	9.00	9.00						
Drill hole diameter, mm	2 x 1.30	2 x 1.30						
Cross-section								
Solid (rigid) mm <sup>2</sup>	0.20-4.00	0.20-4.00						
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50						
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50	0.25-2.50						
Ratings								
User group	cULus 				cULus 			
Rated voltage (V)	B 300	C 150	D 300	250	B 300	C 150	D 300	250
Rated current (A)	20	20	10	24	20	20	10	24
Oversoltage category	III				III			
Max. cross-section AWG / mm <sup>2</sup>	30-12	30-12	30-12	2.50	30-12	30-12	30-12	2.50
Rated surge voltage (kV)	1.60	1.60	1.60	2.00	1.60	1.60	1.60	2.00
Torque NM / Screw size	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5/M 2.5	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5/M 2.5
Contamination degree	3				3			
Material								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Screw	Steel				Steel			
Clamping cage / cam	Steel / Steel				Steel / Steel			
Soldering lug	Copper alloy				Copper alloy			
Wave soldering process								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min. / max.	3 / 4 s				3 / 4 s			
Order information	No. of poles	Cat. no.	Qty.		No. of poles	Cat. no.	Qty.	
		● (RAL 6018)				● (RAL 6018)		
	2	10546.1	50		2	10570.1	50	
	3	10547.1	50		3	10571.1	50	
	4	10548.1	50		4	10572.1	50	
	5	10549.1	50		5	10573.1	50	
	6	10550.1	50		6	10574.1	50	
	7	10551.1	50		7	10575.1	50	
	8	10552.1	50		8	10576.1	50	
	9	10553.1	50		9	10577.1	50	
	10	10554.1	50		10	10578.1	50	
	11	10555.1	50		11	10579.1	50	
	12	10556.1	50		12	10580.1	50	
	13	10557.1	50		13	10581.1	50	
	14	10558.1	50		14	10582.1	50	
	15	10559.1	50		15	10583.1	50	
	16	10560.1	50		16	10584.1	50	
	17	10561.1	50		17	10585.1	50	
	18	10562.1	50		18	10586.1	50	
	19	10563.1	50		19	10587.1	50	
	20	10564.1	50		20	10588.1	50	
	21	10565.1	50		21	10589.1	50	
	22	10566.1	50		22	10590.1	50	
	23	10567.1	50		23	10591.1	50	
	24	10568.1	50		24	10592.1	50	
Accessories								
Labelling	Refer to page 186.				Refer to page 186.			

**Terminals**



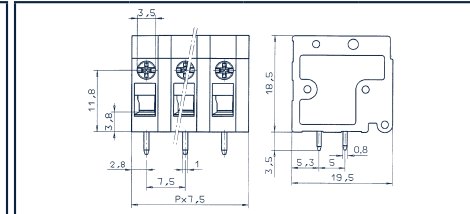
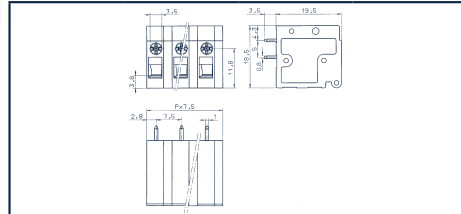
**PKT 2200/.../7.50-V**



**PKT 2200/.../7.50-H**



**Diagrams**



**Wire connect type**

Eccentric top

Eccentric top

**Dimensions**

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

7.50  
9.00  
2 x 1.30

7.50  
9.00  
2 x 1.30

**Cross-section**

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-4.00  
0.20-2.50  
0.25-2.50

0.20-4.00  
0.20-2.50  
0.25-2.50

**Ratings**

**User group**

cULus			VDE
B	C	D	
300	150	300	450
20	20	10	24

cULus			VDE
B	C	D	
300	150	300	450
20	20	10	24

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

2.50  
2.00  
0.5/M 2.5  
3

2.50  
2.00  
0.5/M 2.5  
3

**Material**

Insulation material / Flammability class  
Temperature range  
Screw  
Clamping cage / cam  
Soldering lug

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Steel / Steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Steel / Steel  
Copper alloy

**Wave soldering process**

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

260 °C  
3 / 4 s

**Order information**

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	10594.1	50
3	10595.1	50
4	10596.1	50
5	10597.1	50
6	10598.1	50
7	10599.1	50
8	10600.1	50
9	10601.1	50
10	10602.1	50
11	10603.1	50
12	10604.1	50
13	10605.1	50
14	10606.1	50
15	10607.1	50
16	10608.1	50
17	10609.1	50
18	10610.1	50
19	10611.1	50
20	10612.1	50
21	10613.1	50
22	10614.1	50
23	10615.1	50
24	10616.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	10618.1	50
3	10619.1	50
4	10620.1	50
5	10621.1	50
6	10622.1	50
7	10623.1	50
8	10624.1	50
9	10625.1	50
10	10626.1	50
11	10627.1	50
12	10628.1	50
13	10629.1	50
14	10630.1	50
15	10631.1	50
16	10632.1	50
17	10633.1	50
18	10634.1	50
19	10635.1	50
20	10636.1	50
21	10637.1	50
22	10638.1	50
23	10639.1	50
24	10640.1	50





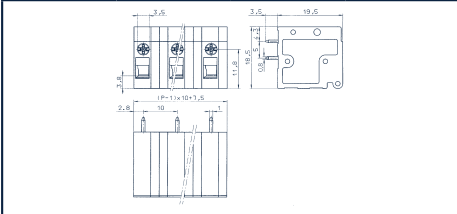
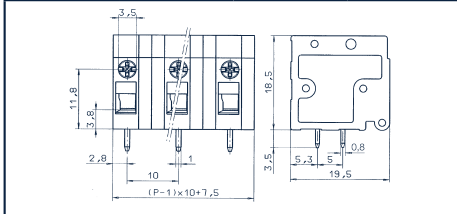


**Accessories**

Labelling

Refer to page 186.

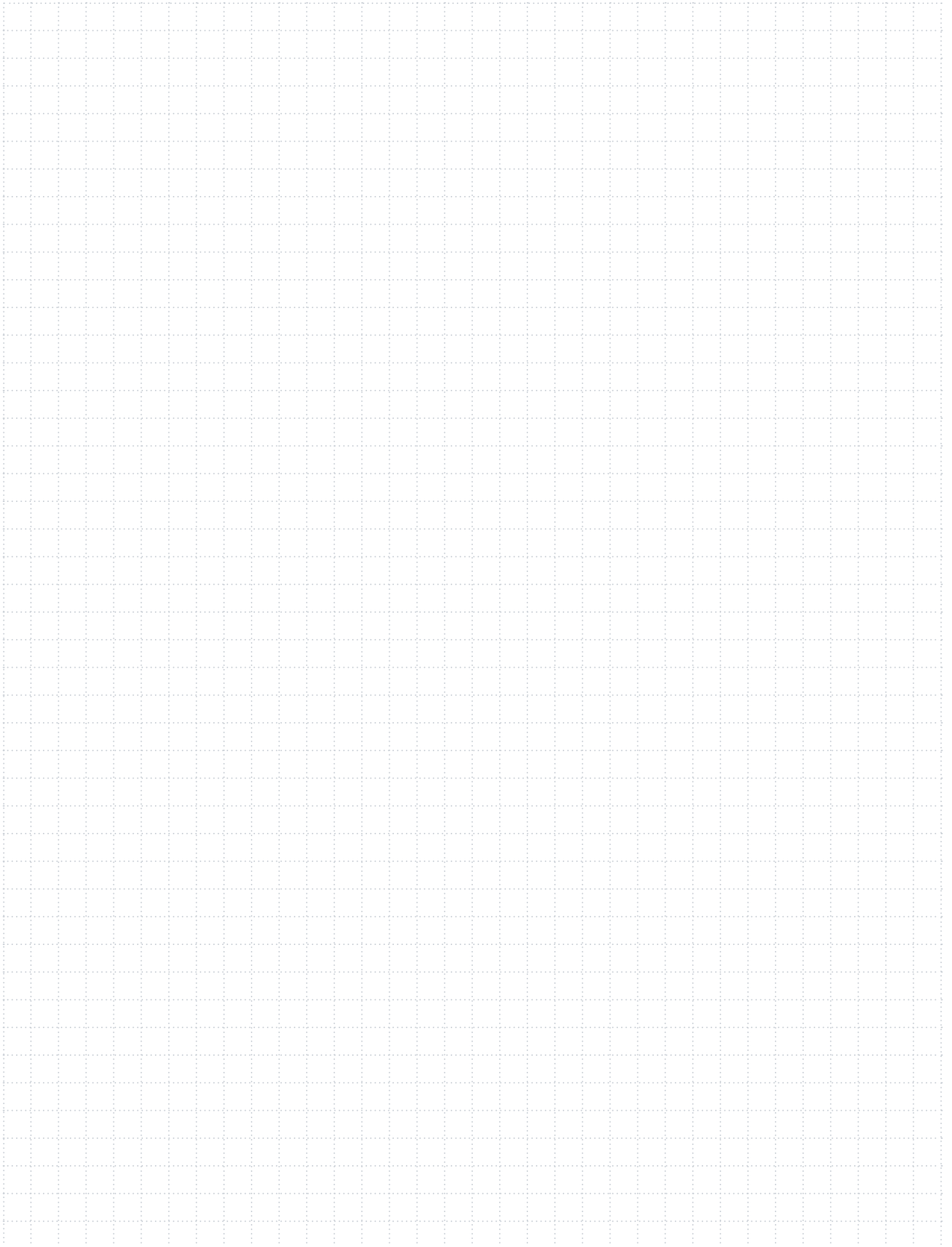
Refer to page 186.

# Eccentric top terminals





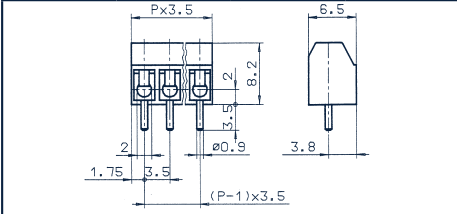
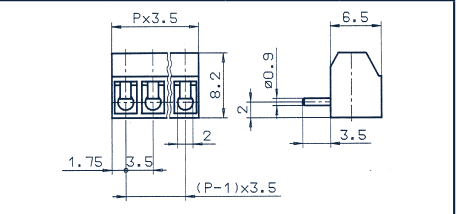


Terminals	PKT 2200/.../10.00-V	PKT 2200/.../10.00-H				
 						
Diagrams						
Wire connect type	Eccentric top	Eccentric top				
Dimensions						
Pitch, mm	10.00	10.00				
Stripping length, mm	9.00	9.00				
Drill hole diameter, mm	2 x 1.30	2 x 1.30				
Cross-section						
Solid (rigid) mm <sup>2</sup>	0.20-4.00	0.20-4.00				
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50				
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50	0.25-2.50				
Ratings						
User group	cULus 			cULus 		
Rated voltage (V)	B 600	C 600	D 1000	B 600	C 600	D 1000
Rated current (A)	20	5	24	20	5	24
Oversoltage category	III			III		
Max. cross-section AWG / mm <sup>2</sup>	30-12	30-12	2.50	30-12	30-12	2.50
Rated surge voltage (kV)	2.20	2.20	2.00	2.20	2.20	2.00
Torque NM / Screw size	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5/M 2.5	0.5-0.6/M2.5	0.5-0.6/M2.5	0.5/M 2.5
Contamination degree	3			3		
Material						
Insulation material / Flammability class	PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C			-40 °C / +105 °C		
Screw	Steel			Steel		
Clamping cage / cam	Steel / Steel			Steel / Steel		
Soldering lug	Copper alloy			Copper alloy		
Wave soldering process						
Recommended wave soldering temperature	260 °C			260 °C		
Recommended wave soldering time, min. / max.	3 / 4 s			3 / 4 s		
Order information	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.
		● (RAL 6018)			● (RAL 6018)	
	2	10642.1	50	2	10666.1	50
	3	10643.1	50	3	10667.1	50
	4	10644.1	50	4	10668.1	50
	5	10645.1	50	5	10669.1	50
	6	10646.1	50	6	10670.1	50
	7	10647.1	50	7	10671.1	50
	8	10648.1	50	8	10672.1	50
	9	10649.1	50	9	10673.1	50
	10	10650.1	50	10	10674.1	50
	11	10651.1	50	11	10675.1	50
	12	10652.1	50	12	10676.1	50
	13	10653.1	50	13	10677.1	50
	14	10654.1	50	14	10678.1	50
	15	10655.1	50	15	10679.1	50
	16	10656.1	50	16	10680.1	50
	17	10657.1	50	17	10681.1	50
	18	10658.1	50	18	10682.1	50
	19	10659.1	50	19	10683.1	50
	20	10660.1	50	20	10684.1	50
	21	10661.1	50	21	10685.1	50
	22	10662.1	50	22	10686.1	50
	23	10663.1	50	23	10687.1	50
	24	10664.1	50	24	10688.1	50
Accessories						
Labelling	Refer to page 186.			Refer to page 186.		



# Notes



# Wire protection terminals

Terminals	PK 550/.../3.50-V	PK 550/.../3.50-H
  <p>3.50 mm</p>		
Diagrams		
Wire connect type	Wire protection	Wire protection
Dimensions		
Pitch, mm	3.50	3.50
Stripping length, mm	5.50	5.50
Drill hole diameter, mm	1.20	1.20
Cross-section		
Solid (rigid) mm <sup>2</sup>	0.08-1.50	0.08-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.08-1.00	0.08-1.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.50	0.14-0.50
Ratings		
User group	cULus 	cULus 
Rated voltage (V)	B 125	B 125
Rated current (A)	C 6	C 6
Overvoltage category	D III	D III
Max. cross-section AWG / mm <sup>2</sup>	28-16 1.00	28-16 1.00
Rated surge voltage (kV)	1.25	1.25
Torque NM / Screw size	0.25/M2 0.2/M2	0.25/M2 0.2/M2
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Brass	Brass
Screw	Steel	Steel
Wire protection	Stainless steel	Stainless steel
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
Order information	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	● (RAL 6018)    ● (RAL 7016)	● (RAL 6018)    ● (RAL 7016)
	2    10247.1    10247.4    50	2    10262.1    10262.4    50
	3    10248.1    10248.4    50	3    10263.1    10263.4    50
	4    10249.1    10249.4    50	4    10264.1    10264.4    50
	5    10250.1    10250.4    50	5    10265.1    10265.4    50
	6    10251.1    10251.4    50	6    10266.1    10266.4    50
	7    10252.1    10252.4    50	7    10267.1    10267.4    50
	8    10253.1    10253.4    50	8    10268.1    10268.4    50
	9    10254.1    10254.4    50	9    10269.1    10269.4    50
	10    10255.1    10255.4    50	10    10270.1    10270.4    50
	11    10256.1    10256.4    50	11    10271.1    10271.4    50
	12    10257.1    10257.4    50	12    10272.1    10272.4    50
	13    10258.1    10258.4    50	13    10273.1    10273.4    50
	14    10259.1    10259.4    50	14    10274.1    10274.4    50
	15    10260.1    10260.4    50	15    10275.1    10275.4    50
	16    10261.1    10261.4    50	16    10276.1    10276.4    50
Accessories		
Labelling	Refer to page 186.	Refer to page 186.

Terminals



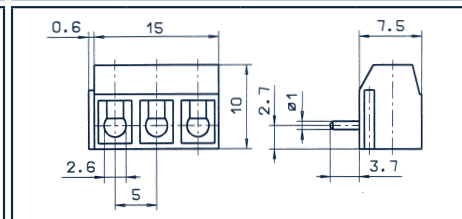
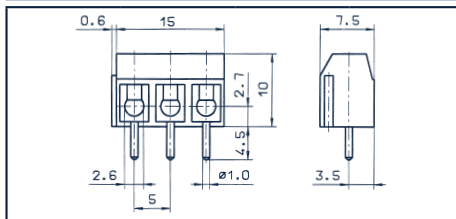
PK 500/.../5.00-V



PK 500/.../5.00-H



Diagrams



Wire connect type

Dimensions

Pitch, mm	5.00
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-1.50

Ratings

User group

	B	C	D	
Rated voltage (V)	300		300	130
Rated current (A)	15		10	17.5
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-14		22-14	1.50
Rated surge voltage (kV)	1.60		1.60	2.00
Torque NM / Screw size	0.4/M2.6		0.4/M2.6	0.4/M2.6
Contamination degree				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Wire protection	Stainless steel

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10143.1	10143.4	50
3	10144.1	10144.4	50
4	10145.1	10145.4	50
5	10146.1	10146.4	50
6	10147.1	10147.4	50
7	10148.1	10148.4	50
8	10149.1	10149.4	50
9	10150.1	10150.4	50
10	10151.1	10151.4	50
11	10152.1	10152.4	50
12	10153.1	10153.4	50
13	12493.1	12493.4	50
14	12494.1	12494.4	50
15	12495.1	12495.4	50
16	12496.1	12496.4	50
17	12497.1	12497.4	50
18	12498.1	12498.4	50
19	12499.1	12499.4	50
20	12500.1	12500.4	50
21	12501.1	12501.4	50
22	12502.1	12502.4	50
23	12503.1	12503.4	50
24	12504.1	12504.4	50

Wire protection

Pitch, mm	5.00
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-1.50

Ratings

User group

	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	15		10	17.5
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-14		22-14	1.50
Rated surge voltage (kV)	1.60		1.60	2.00
Torque NM / Screw size	0.4/M2.6		0.4/M2.6	0.4/M2.6
Contamination degree				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Wire protection	Stainless steel

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10165.1	10165.4	50
3	10166.1	10166.4	50
4	10167.1	10167.4	50
5	10168.1	10168.4	50
6	10169.1	10169.4	50
7	10170.1	10170.4	50
8	10171.1	10171.4	50
9	10172.1	10172.4	50
10	10173.1	10173.4	50
11	10174.1	10174.4	50
12	10175.1	10175.4	50
13	12517.1	12517.4	50
14	12518.1	12518.4	50
15	12519.1	12519.4	50
16	12520.1	12520.4	50
17	12521.1	12521.4	50
18	12522.1	12522.4	50
19	12523.1	12523.4	50
20	12524.1	12524.4	50
21	12525.1	12525.4	50
22	12526.1	12526.4	50
23	12527.1	12527.4	50
24	12528.1	12528.4	50

Accessories


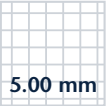


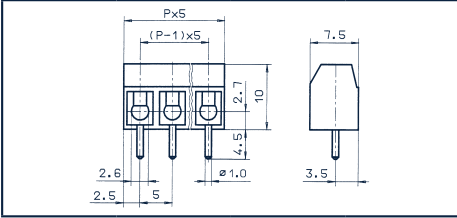
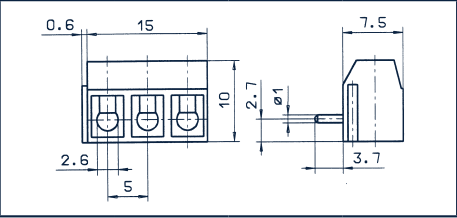
Labelling

Refer to page 186.

Accessories

Refer to page 186.

# Wire protection terminals

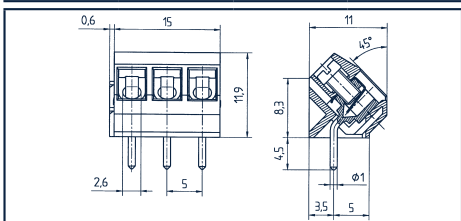
Terminals	PK 500/.../5.00-V-BL	PK 500/.../5.00-H-BL																																																																														
  <p>5.00 mm</p>																																																																																
Diagrams																																																																																
Wire connect type	Wire protection	Wire protection																																																																														
Dimensions																																																																																
Pitch, mm	5.00	5.00																																																																														
Stripping length, mm	6.00	6.00																																																																														
Drill hole diameter, mm	1.30	1.30																																																																														
Cross-section																																																																																
Solid (rigid) mm <sup>2</sup>	0.20-1.50	0.20-1.50																																																																														
Finely stranded (flexible) mm <sup>2</sup>	0.20-1.50	0.20-1.50																																																																														
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-1.50	0.20-1.50																																																																														
Ratings	cULus	cULus																																																																														
User group	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>B</th> <th>C</th> <th>D</th> <th>VDE</th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>250</td> </tr> <tr> <td>15</td> <td></td> <td>10</td> <td>17.5</td> </tr> <tr> <td colspan="4" style="text-align: center;">III</td> </tr> </tbody> </table>	B	C	D	VDE	300		300	250	15		10	17.5	III				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>B</th> <th>C</th> <th>D</th> <th>VDE</th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>250</td> </tr> <tr> <td>15</td> <td></td> <td>10</td> <td>17.5</td> </tr> <tr> <td colspan="4" style="text-align: center;">III</td> </tr> </tbody> </table>	B	C	D	VDE	300		300	250	15		10	17.5	III																																																	
B	C	D	VDE																																																																													
300		300	250																																																																													
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Overvoltage category																																																																																
Max. cross-section AWG / mm <sup>2</sup>	22-14	22-14	1.50																																																																													
Rated surge voltage (kV)	1.60	1.60	2.00																																																																													
Torque NM / Screw size	0.4/M 2.6	0.4/M 2.6	0.4/M 2.6																																																																													
Contamination degree		3	3																																																																													
Material																																																																																
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0																																																																														
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C																																																																														
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Screw	Steel	Steel																																																																														
Wire protection	Stainless steel	Stainless steel																																																																														
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Accessories																																																																																
Labelling	Refer to page 186.	Refer to page 186.																																																																														

**Terminals**

**PK 590/.../5.00**



**Diagrams**



**Wire connect type**

Eccentric top

**Dimensions**

Pitch, mm	5.00
Stripping length, mm	6.00
Drill hole diameter, mm	1.30

**Cross-section**

Solid (rigid) mm <sup>2</sup>	0.20-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-1.50

**Ratings**

User group	cULus			
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	15		10	17.5
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-14		22-14	1.50
Rated surge voltage (kV)	1.60		1.60	2.00
Torque NM / Screw size	0.4/M2.6		0.4/M2.6	0.4/M2.6
Contamination degree				3

**Material**

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Soldering lug	Stainless steel

**Wave soldering process**

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s


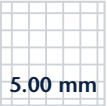


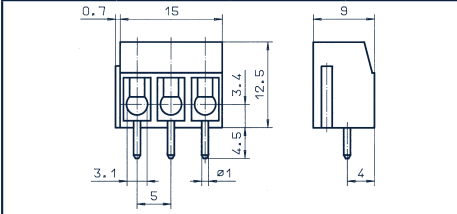
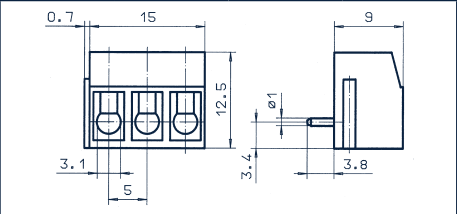
**Order information**

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	12855.1	50
3	12856.1	50
4	12857.1	50
5	12858.1	50
6	12859.1	50
7	12860.1	50
8	12861.1	50
9	12862.1	50
10	12863.1	50
11	12864.1	50
12	12865.1	50
13	12866.1	50
14	12867.1	50
15	12868.1	50
16	12869.1	50
17	12870.1	50
18	12871.1	50
19	12872.1	50
20	12873.1	50
21	12874.1	50
22	12875.1	50
23	12876.1	50
24	12877.1	50

**Accessories**

Labelling Refer to page 186.

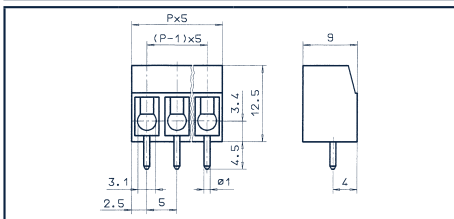
# Wire protection terminals

Terminals	PK 100/.../5.00-V	PK 100/.../5.00-H																																																																																																																																																																																																				
  <p>5.00 mm</p>																																																																																																																																																																																																						
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Pitch, mm	5.00	5.00																																																																																																																																																																																																				
Stripping length, mm	7.00	6.00																																																																																																																																																																																																				
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12	10011.1	10011.4	50																																																																																																																																																																																																			
13	12385.1	12385.4	50																																																																																																																																																																																																			
14	12386.1	12386.4	50																																																																																																																																																																																																			
15	12387.1	12387.4	50																																																																																																																																																																																																			
16	12388.1	12388.4	50																																																																																																																																																																																																			
17	12389.1	12389.4	50																																																																																																																																																																																																			
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19	12391.1	12391.4	50																																																																																																																																																																																																			
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23	12395.1	12395.4	50																																																																																																																																																																																																			
24	12396.1	12396.4	50																																																																																																																																																																																																			
No. of poles	Cat. no.		Qty.																																																																																																																																																																																																			
	● (RAL 6018)	● (RAL 7016)																																																																																																																																																																																																				
2	10012.1	10012.4	50																																																																																																																																																																																																			
3	10013.1	10013.4	50																																																																																																																																																																																																			
4	10014.1	10014.4	50																																																																																																																																																																																																			
5	10015.1	10015.4	50																																																																																																																																																																																																			
6	10016.1	10016.4	50																																																																																																																																																																																																			
7	10017.1	10017.4	50																																																																																																																																																																																																			
8	10018.1	10018.4	50																																																																																																																																																																																																			
9	10019.1	10019.4	50																																																																																																																																																																																																			
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11	10021.1	10021.4	50																																																																																																																																																																																																			
12	10022.1	10022.4	50																																																																																																																																																																																																			
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17	12377.1	12377.4	50																																																																																																																																																																																																			
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20	12380.1	12380.4	50																																																																																																																																																																																																			
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24	12384.1	12384.4	50																																																																																																																																																																																																			
Accessories																																																																																																																																																																																																						
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																																																																				

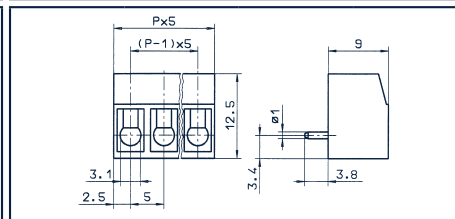
Terminals



PK 100/.../5.00-V-BL



PK 100/.../5.00-H-BL



Diagrams

Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Wire protection

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10045.1	10045.4	50
3	10046.1	10046.4	50
4	10047.1	10047.4	50
5	10048.1	10048.4	50
6	10049.1	10049.4	50
7	10050.1	10050.4	50
8	10051.1	10051.4	50
9	10052.1	10052.4	50
10	10053.1	10053.4	50
11	10054.1	10054.4	50
12	10055.1	10055.4	50
13	12421.1	12421.4	50
14	12422.1	12422.4	50
15	12423.1	12423.4	50
16	12424.1	12424.4	50
17	12425.1	12425.4	50
18	12426.1	12426.4	50
19	12427.1	12427.4	50
20	12428.1	12428.4	50
21	12429.1	12429.4	50
22	12430.1	12430.4	50
23	12431.1	12431.4	50
24	12432.1	12432.4	50

Wire protection

5.00  
7.00  
1.30

cULus

B	C	D	VDE
300		300	250
20		10	24
			III
22-12		22-12	2.50
1.60		1.60	2.00
0.45/M 3		0.45/M 3	0.5/M 3
			3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Wire protection

5.00  
6.00  
1.30

cULus

B	C	D	VDE
300		300	250
20		10	24
			III
22-12		22-12	2.50
1.60		1.60	2.00
0.45/M 3		0.45/M 3	0.5/M 3
			3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10056.1	10056.4	50
3	10057.1	10057.4	50
4	10058.1	10058.4	50
5	10059.1	10059.4	50
6	10060.1	10060.4	50
7	10061.1	10061.4	50
8	10062.1	10062.4	50
9	10063.1	10063.4	50
10	10064.1	10064.4	50
11	10065.1	10065.4	50
12	10066.1	10066.4	50
13	12433.1	12433.4	50
14	12434.1	12434.4	50
15	12435.1	12435.4	50
16	12436.1	12436.4	50
17	12437.1	12437.4	50
18	12438.1	12438.4	50
19	12439.1	12439.4	50
20	12440.1	12440.4	50
21	12441.1	12441.4	50
22	12442.1	12442.4	50
23	12443.1	12443.4	50
24	12444.1	12444.4	50

Accessories

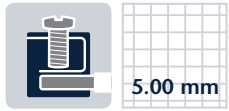
Labelling

Refer to page 186.

Refer to page 186.

# Wire protection terminals

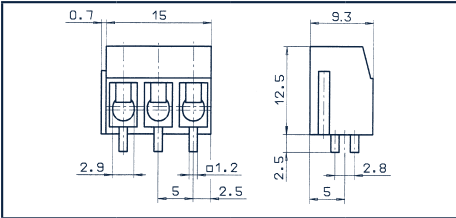
## Terminals



## PK 104/.../5.00-V



## Diagrams



## Wire connect type

### Dimensions

Pitch, mm	5.00
Stripping length, mm	7.00
Drill hole diameter, mm	2 x 2.00

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-4.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50

### Ratings

#### User group

	B	C	D	
Rated voltage (V)	300	150	300	250
Rated current (A)	20	20	10	32
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12	22-12	4.00
Rated surge voltage (kV)	1.60	1.30	1.60	2.00
Torque NM / Screw size	0.8 / M 3	0.8 / M 3	0.8 / M 3	0.5/M 3
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Wire protection	Stainless steel

### Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

### Order information

## Wire protection

Wire protection	5.00
	7.00
	2 x 2.00

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-4.00
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50

### Ratings

	cULus			
User group	B	C	D	
Rated voltage (V)	300	150	300	250
Rated current (A)	20	20	10	32
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12	22-12	4.00
Rated surge voltage (kV)	1.60	1.30	1.60	2.00
Torque NM / Screw size	0.8 / M 3	0.8 / M 3	0.8 / M 3	0.5/M 3
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Wire protection	Stainless steel

### Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s

### Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10077.1	10077.4	50
3	10078.1	10078.4	50
4	10079.1	10079.4	50
5	10080.1	10080.4	50
6	10081.1	10081.4	50
7	10082.1	10082.4	50
8	10083.1	10083.4	50
9	10084.1	10084.4	50
10	10085.1	10085.4	50
11	10086.1	10086.4	50
12	10087.1	10087.4	50
13	12397.1	12397.4	50
14	12398.1	12398.4	50
15	12399.1	12399.4	50
16	12400.1	12400.4	50
17	12401.1	12401.4	50
18	12402.1	12402.4	50
19	12403.1	12403.4	50
20	12404.1	12404.4	50
21	12405.1	12405.4	50
22	12406.1	12406.4	50
23	12407.1	12407.4	50
24	12408.1	12408.4	50

### Accessories

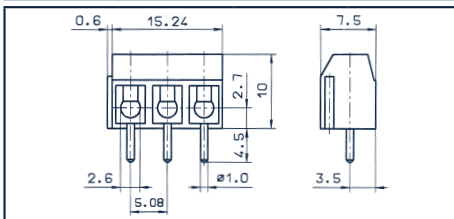
Labelling	Refer to page 186.
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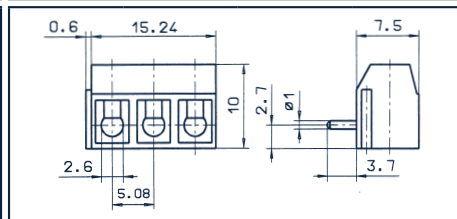
Terminals



PK 500/.../5.08-V



PK 500/.../5.08-H



Diagrams

Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Wire protection

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10154.1	10154.4	50
3	10155.1	10155.4	50
4	10156.1	10156.4	50
5	10157.1	10157.4	50
6	10158.1	10158.4	50
7	10159.1	10159.4	50
8	10160.1	10160.4	50
9	10161.1	10161.4	50
10	10162.1	10162.4	50
11	10163.1	10163.4	50
12	10164.1	10164.4	50
13	12505.1	12505.4	50
14	12506.1	12506.4	50
15	12507.1	12507.4	50
16	12508.1	12508.4	50
17	12509.1	12509.4	50
18	12510.1	12510.4	50
19	12511.1	12511.4	50
20	12512.1	12512.4	50
21	12513.1	12513.4	50
22	12514.1	12514.4	50
23	12515.1	12515.4	50
24	12516.1	12516.4	50

Wire protection

5.08  
6.00  
1.30

cULus

B	C	D	VDE
300		300	250
15		10	17.5
			III
22-14		22-14	1.50
1.60		1.60	2.00
0.4/M2.6		0.4/M2.6	0.4/M2.6
			3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Wire protection

5.08  
5.00  
1.30

cULus

B	C	D	VDE
300		300	250
15		10	17.5
			III
22-14		22-14	1.50
1.60		1.60	2.00
0.4/M2.6		0.4/M2.6	0.4/M2.6
			3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10176.1	10176.4	50
3	10177.1	10177.4	50
4	10178.1	10178.4	50
5	10179.1	10179.4	50
6	10180.1	10180.4	50
7	10181.1	10181.4	50
8	10182.1	10182.4	50
9	10183.1	10183.4	50
10	10184.1	10184.4	50
11	10185.1	10185.4	50
12	10186.1	10186.4	50
13	12529.1	12529.4	50
14	12530.1	12530.4	50
15	12531.1	12531.4	50
16	12532.1	12532.4	50
17	12533.1	12533.4	50
18	12534.1	12534.4	50
19	12535.1	12535.4	50
20	12536.1	12536.4	50
21	12537.1	12537.4	50
22	12538.1	12538.4	50
23	12539.1	12539.4	50
24	12540.1	12540.4	50





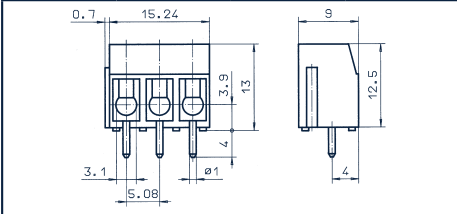
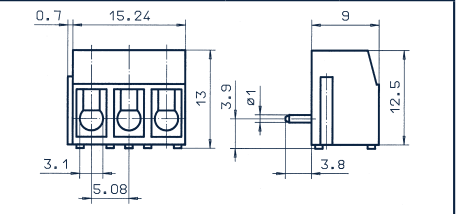


Accessories

Labelling

Refer to page 186.

Refer to page 186.

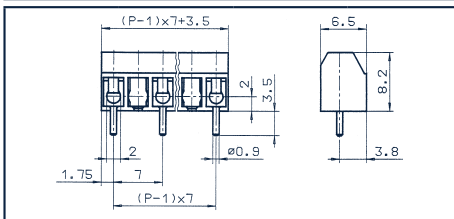
# Wire protection terminals

Terminals	PK 120/.../5.08-V	PK 120/.../5.08-H
  <p>5.08 mm</p>		
Diagrams		
Wire connect type	Wire protection	Wire protection
Dimensions	Wire protection	Wire protection
Pitch, mm	5.08	5.08
Stripping length, mm	7.00	6.00
Drill hole diameter, mm	1.30	1.30
Cross-section	Wire protection	Wire protection
Solid (rigid) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Ratings	cULus 	cULus 
User group	B C D	B C D
Rated voltage (V)	300	300
Rated current (A)	20	10
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12
Rated surge voltage (kV)	1.60	1.60
Torque NM / Screw size	0.45/M 3	0.45/M 3
Contamination degree	3	3
Material	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Insulation material / Flammability class	-40 °C / +105 °C	-40 °C / +105 °C
Temperature range	Brass	Brass
Clamping element	Steel	Steel
Screw	Stainless steel	Stainless steel
Wire protection	Stainless steel	Stainless steel
Wave soldering process	260 °C	260 °C
Recommended wave soldering temperature	3 / 4 s	3 / 4 s
Recommended wave soldering time, min. / max.	No. of poles Cat. no. Qty.	No. of poles Cat. no. Qty.
Order information	● (RAL 6018) ● (RAL 7016)	● (RAL 6018) ● (RAL 7016)
	2 10121.1 10121.4 50 3 10122.1 10122.4 50 4 10123.1 10123.4 50 5 10124.1 10124.4 50 6 10125.1 10125.4 50 7 10126.1 10126.4 50 8 10127.1 10127.4 50 9 10128.1 10128.4 50 10 10129.1 10129.4 50 11 10130.1 10130.4 50 12 10131.1 10131.4 50 13 12409.1 12409.4 50 14 12410.1 12410.4 50 15 12411.1 12411.4 50 16 12412.1 12412.4 50 17 12413.1 12413.4 50 18 12414.1 12414.4 50 19 12415.1 12415.4 50 20 12416.1 12416.4 50 21 12417.1 12417.4 50 22 12418.1 12418.4 50 23 12419.1 12419.4 50 24 12420.1 12420.4 50	2 10132.1 10132.4 50 3 10133.1 10133.4 50 4 10134.1 10134.4 50 5 10135.1 10135.4 50 6 10136.1 10136.4 50 7 10137.1 10137.4 50 8 10138.1 10138.4 50 9 10139.1 10139.4 50 10 10140.1 10140.4 50 11 10141.1 10141.4 50 12 10142.1 10142.4 50 13 12481.1 12481.4 50 14 12482.1 12482.4 50 15 12483.1 12483.4 50 16 12484.1 12484.4 50 17 12485.1 12485.4 50 18 12486.1 12486.4 50 19 12487.1 12487.4 50 20 12488.1 12488.4 50 21 12489.1 12489.4 50 22 12490.1 12490.4 50 23 12491.1 12491.4 50 24 12492.1 12492.4 50
Accessories	Refer to page 186.	Refer to page 186.
Labelling	Refer to page 186.	Refer to page 186.

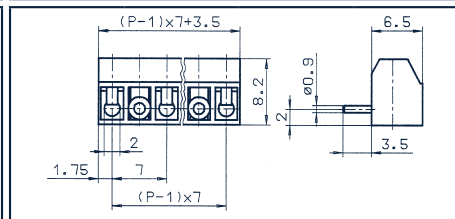
Terminals



PK 550/.../7.00-V



PK 550/.../7.00-H



Diagrams

Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Wire protection

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10277.1	10277.4	50
3	10278.1	10278.4	50
4	10279.1	10279.4	50
5	10280.1	10280.4	50
6	10281.1	10281.4	50
7	10282.1	10282.4	50
8	10283.1	10283.4	50

Wire protection

7.00  
5.50  
1.20

cULus

B	C	D	VDE
6	6	6	13.5
III			
28-16	28-16	28-16	2.50
1.60	1.30	1.60	2.00
0.25 / M 2	0.25 / M 2	0.25 / M 2	0.2/M 2
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Wire protection

7.00  
5.50  
1.20

cULus

B	C	D	VDE
6	6	6	13.5
III			
28-16	28-16	28-16	1.00
1.60	1.30	1.60	2.50
0.25 / M 2	0.25 / M 2	0.25 / M 2	0.2/M 2
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10284.1	10284.4	50
3	10285.1	10285.4	50
4	10286.1	10286.4	50
5	10287.1	10287.4	50
6	10288.1	10288.4	50
7	10289.1	10289.4	50
8	10290.1	10290.4	50





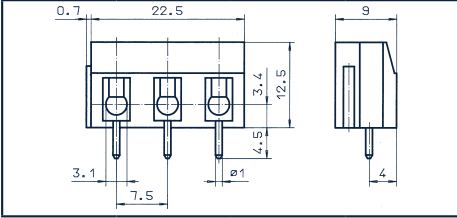
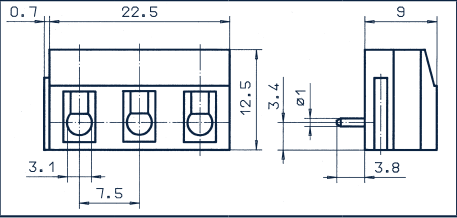
Accessories

Labelling

Refer to page 186.

Refer to page 186.

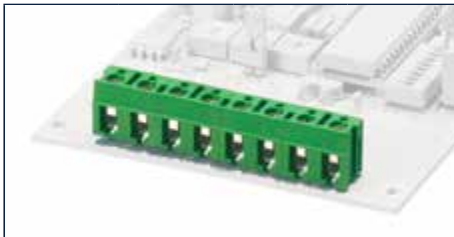
# Wire protection terminals

Terminals	PK 110/.../7.50-V	PK 110/.../7.50-H
  <b>7.50 mm</b>		
<b>Diagrams</b>		
<b>Wire connect type</b>	Wire protection	Wire protection
<b>Dimensions</b>		
Pitch, mm	7.50	7.50
Stripping length, mm	7.00	6.00
Drill hole diameter, mm	1.30	1.30
<b>Cross-section</b>		
Solid (rigid) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50	0.20-2.50
<b>Ratings</b>	<b>cULus</b>	<b>cULus</b>
<b>User group</b>	<b>B</b> <b>C</b> <b>D</b> <b>VDE</b>	<b>B</b> <b>C</b> <b>D</b> <b>VDE</b>
Rated voltage (V)	300   150   300   750	300   150   300   750
Rated current (A)	20   20   10   24	20   20   10   24
Overvoltage category	III	III
Max. cross-section AWG / mm <sup>2</sup>	22-14   22-14   22-14   2.50	22-14   22-14   22-14   2.50
Rated surge voltage (kV)	1.60   1.30   1.60   3.00	1.60   1.30   1.60   3.00
Torque NM / Screw size	0.45 / M 3   0.45 / M 3   0.45 / M 3   0.5/M 3	0.45 / M 3   0.45 / M 3   0.45 / M 3   0.5/M 3
Contamination degree	3	3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Brass	Brass
Screw	Steel	Steel
Wire protection	Stainless steel	Stainless steel
<b>Wave soldering process</b>		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s
<b>Order information</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>
	● (RAL 6018)   ● (RAL 7016)	● (RAL 6018)   ● (RAL 7016)
	2   10099.1   10099.4   50	2   10110.1   10110.4   50
	3   10100.1   10100.4   50	3   10111.1   10111.4   50
	4   10101.1   10101.4   50	4   10112.1   10112.4   50
	5   10102.1   10102.4   50	5   10113.1   10113.4   50
	6   10103.1   10103.4   50	6   10114.1   10114.4   50
	7   10104.1   10104.4   50	7   10115.1   10115.4   50
	8   10105.1   10105.4   50	8   10116.1   10116.4   50
	9   10106.1   10106.4   50	9   10117.1   10117.4   50
	10   10107.1   10107.4   50	10   10118.1   10118.4   50
	11   10108.1   10108.4   50	11   10119.1   10119.4   50
	12   10109.1   10109.4   50	12   10120.1   10120.4   50
	13   12457.1   12457.4   50	13   12469.1   12469.4   50
	14   12458.1   12458.4   50	14   12470.1   12470.4   50
	15   12459.1   12459.4   50	15   12471.1   12471.4   50
	16   12460.1   12460.4   50	16   12472.1   12472.4   50
	17   12461.1   12461.4   50	17   12473.1   12473.4   50
	18   12462.1   12462.4   50	18   12474.1   12474.4   50
	19   12463.1   12463.4   50	19   12475.1   12475.4   50
	20   12464.1   12464.4   50	20   12476.1   12476.4   50
	21   12465.1   12465.4   50	21   12477.1   12477.4   50
	22   12466.1   12466.4   50	22   12478.1   12478.4   50
	23   12467.1   12467.4   50	23   12479.1   12479.4   50
	24   12468.1   12468.4   50	24   12480.1   12480.4   50
<b>Accessories</b>		
Labelling	Refer to page 186.	Refer to page 186.

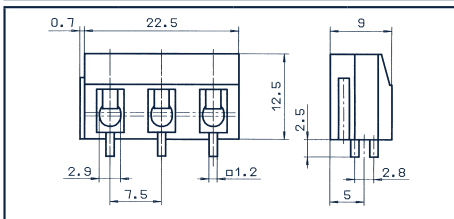
**Terminals**



**PK 114/.../7.50-V**



**Diagrams**



**Wire connect type**

**Dimensions**

Pitch, mm	7.50
Stripping length, mm	7.00
Drill hole diameter, mm	2 x 1.20

**Cross-section**

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.20-2.50

**Ratings**

**User group**

Rated voltage (V)	300	150	300	750
Rated current (A)	20	10	10	32
Overvoltage category				III
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12	22-12	4.00
Rated surge voltage (kV)	1.60	1.30	1.60	3.00
Torque NM / Screw size	0.8 / M 3	0.8 / M 3	0.8 / M 3	0.5/M 3
Contamination degree				3

**Wire protection**

<b>cULus</b>				
<b>B</b>	<b>C</b>	<b>D</b>		
300	150	300		750
20	10	10		32
				III
22-12	22-12	22-12		4.00
1.60	1.30	1.60		3.00
0.8 / M 3	0.8 / M 3	0.8 / M 3		0.5/M 3
				3

**Material**

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Wire protection	Stainless steel

**Wave soldering process**

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min. / max.	3 / 4 s





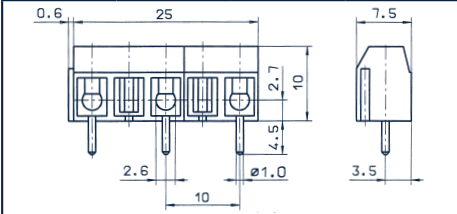
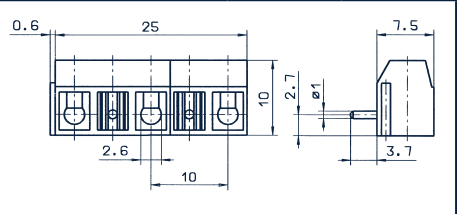
**Order information**

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10088.1	10088.4	50
3	10089.1	10089.4	50
4	10090.1	10090.4	50
5	10091.1	10091.4	50
6	10092.1	10092.4	50
7	10093.1	10093.4	50
8	10094.1	10094.4	50
9	10095.1	10095.4	50
10	10096.1	10096.4	50
11	10097.1	10097.4	50
12	10098.1	10098.4	50
13	12445.1	12445.4	50
14	12446.1	12446.4	50
15	12447.1	12447.4	50
16	12448.1	12448.4	50
17	12449.1	12449.4	50
18	12450.1	12450.4	50
19	12451.1	12451.4	50
20	12452.1	12452.4	50
21	12453.1	12453.4	50
22	12454.1	12454.4	50
23	12455.1	12455.4	50
24	12456.1	12456.4	50

**Accessories**

Labelling	Refer to page 186.
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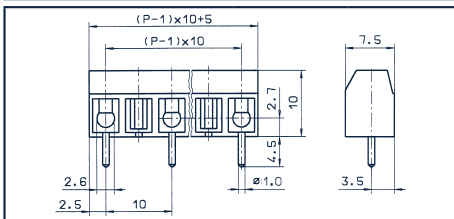
# Wire protection terminals

Terminals	PK 500/.../10.00-V	PK 500/.../10.00-H																																																																																																																																																						
  <b>10.00 mm</b>																																																																																																																																																								
<b>Diagrams</b>																																																																																																																																																								
<b>Wire connect type</b>	Wire protection	Wire protection																																																																																																																																																						
<b>Dimensions</b>																																																																																																																																																								
Pitch, mm	10.00	10.00																																																																																																																																																						
Stripping length, mm	5.00	5.00																																																																																																																																																						
Drill hole diameter, mm	1.30	1.30																																																																																																																																																						
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Rated surge voltage (kV)	1.60	1.60																																																																																																																																																						
Torque NM / Screw size	0.4 / M 2.6	0.4 / M 2.6																																																																																																																																																						
Contamination degree	3	3																																																																																																																																																						
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Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s																																																																																																																																																						
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22	13482.1   13482.4	50																																																																																																																																																						
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No. of poles	Cat. no.	Qty.																																																																																																																																																						
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14	13486.1   13486.4	50																																																																																																																																																						
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<b>Accessories</b>																																																																																																																																																								
Labelling	Refer to page 186.	Refer to page 186.																																																																																																																																																						

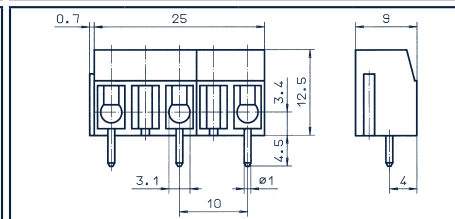
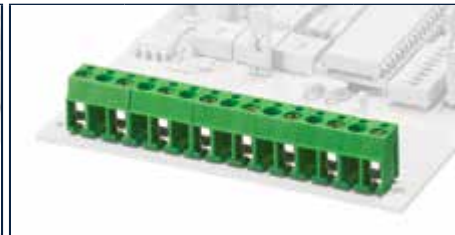
Terminals



PK 500/.../10.00-V-BL



PK 100/.../10.00-V



Diagrams

Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Wire protection

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10242.1	10242.4	50
3	10243.1	10243.4	50
4	10244.1	10244.4	50
5	10245.1	10245.4	50
6	10246.1	10246.4	50

Wire protection

10.00  
5.00  
1.30

cULus

B	C	D	VDE
300	150	300	1000
15	15	10	17.5
III			
22-14	22-14	22-14	1.50
1.60	1.30	1.60	3.50
0.4 / M 2.6	0.4 / M 2.6	0.4 / M 2.6	0.4/M 2.6
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Wire protection

10.00  
7.00  
1.30

cULus

B	C	D	VDE
300	150	300	1000
20	20	10	24
III			
22-12	22-12	22-12	2.50
1.60	1.30	1.60	3.50
0.45 / M 3	0.45 / M 3	0.45 / M 3	0.5/M 3
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel  
Stainless steel

260 °C  
3 / 4 s

Order information

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10023.1	10023.4	50
3	10024.1	10024.4	50
4	10025.1	10025.4	50
5	10026.1	10026.4	50
6	10027.1	10027.4	50
7	10028.1	10028.4	50
8	10029.1	10029.4	50
9	10030.1	10030.4	50
10	10031.1	10031.4	50
11	10032.1	10032.4	50
12	10033.1	10033.4	50
13	13497.1	13497.4	50
14	13498.1	13498.4	50
15	13499.1	13499.4	50
16	13500.1	13500.4	50
17	13501.1	13501.4	50
18	13502.1	13502.4	50
19	13503.1	13503.4	50
20	13504.1	13504.4	50
21	13505.1	13505.4	50
22	13506.1	13506.4	50
23	13507.1	13507.4	50
24	13508.1	13508.4	50




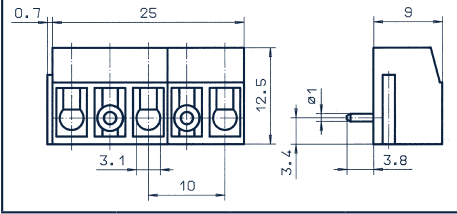
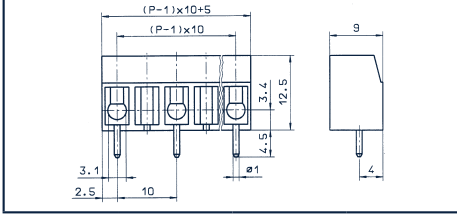
Accessories

Labelling

Refer to page 186.

Refer to page 186.

# Wire protection terminals

Terminals	PK 100/.../10.00-H	PK 100/.../10.00-V-BL																																																																																																																												
 <div style="border: 1px solid black; width: 60px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 8px; margin-right: 5px;">10.00 mm</span> </div>																																																																																																																														
<b>Diagrams</b>																																																																																																																														
<b>Wire connect type</b>	Wire protection	Wire protection																																																																																																																												
<b>Dimensions</b>																																																																																																																														
Pitch, mm	10.00	10.00																																																																																																																												
Stripping length, mm	6.00	7.00																																																																																																																												
Drill hole diameter, mm	1.30	1.30																																																																																																																												
<b>Cross-section</b>																																																																																																																														
Solid (rigid) mm <sup>2</sup>	0.20-2.50	0.20-2.50																																																																																																																												
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<b>User group</b>	<table border="1" style="font-size: 8px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">cULus</th> <th style="text-align: center;"></th> </tr> <tr> <th style="text-align: center;">B</th> <th style="text-align: center;">C</th> <th style="text-align: center;">D</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">150</td> <td style="text-align: center;">300</td> <td colspan="2" style="text-align: center;">1000</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">20</td> <td style="text-align: center;">10</td> <td colspan="2" style="text-align: center;">24</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center;">III</td> </tr> </tbody> </table>	cULus					B	C	D			300	150	300	1000		20	20	10	24						III	<table border="1" style="font-size: 8px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">cULus</th> <th style="text-align: center;"></th> </tr> <tr> <th style="text-align: center;">B</th> <th style="text-align: center;">C</th> <th style="text-align: center;">D</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">150</td> <td style="text-align: center;">300</td> <td colspan="2" style="text-align: center;">1000</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">20</td> <td style="text-align: center;">10</td> <td colspan="2" style="text-align: center;">24</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center;">III</td> </tr> </tbody> </table>	cULus					B	C	D			300	150	300	1000		20	20	10	24						III																																																																										
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Rated voltage (V)	300	300																																																																																																																												
Rated current (A)	20	20																																																																																																																												
Overvoltage category	III	III																																																																																																																												
Max. cross-section AWG / mm <sup>2</sup>	22-12	22-12																																																																																																																												
Rated surge voltage (kV)	1.60	1.60																																																																																																																												
Torque NM / Screw size	0.45 / M 3	0.45 / M 3																																																																																																																												
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Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0																																																																																																																												
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Screw	Steel	Steel																																																																																																																												
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Recommended wave soldering temperature	260 °C	260 °C																																																																																																																												
Recommended wave soldering time, min. / max.	3 / 4 s	3 / 4 s																																																																																																																												
<b>Order information</b>	<table border="1" style="font-size: 8px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">No. of poles</th> <th colspan="2" style="text-align: center;">Cat. no.</th> <th rowspan="2" style="text-align: center;">Qty.</th> </tr> <tr> <th style="text-align: center;">● (RAL 6018)</th> <th style="text-align: center;">● (RAL 7016)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">2</td><td style="text-align: center;">10034.1</td><td style="text-align: center;">10034.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">10035.1</td><td style="text-align: center;">10035.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">10036.1</td><td style="text-align: center;">10036.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">10037.1</td><td style="text-align: center;">10037.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">6</td><td style="text-align: center;">10038.1</td><td style="text-align: center;">10038.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">7</td><td style="text-align: center;">10039.1</td><td style="text-align: center;">10039.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">8</td><td style="text-align: center;">10040.1</td><td style="text-align: center;">10040.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">9</td><td style="text-align: center;">10041.1</td><td style="text-align: center;">10041.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">10042.1</td><td style="text-align: center;">10042.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">11</td><td style="text-align: center;">10043.1</td><td style="text-align: center;">10043.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">12</td><td style="text-align: center;">10044.1</td><td style="text-align: center;">10044.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">13</td><td style="text-align: center;">13509.1</td><td style="text-align: center;">13509.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">14</td><td style="text-align: center;">13510.1</td><td style="text-align: center;">13510.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">15</td><td style="text-align: center;">13511.1</td><td style="text-align: center;">13511.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">16</td><td style="text-align: center;">13512.1</td><td style="text-align: center;">13512.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">17</td><td style="text-align: center;">13513.1</td><td style="text-align: center;">13513.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">18</td><td style="text-align: center;">13514.1</td><td style="text-align: center;">13514.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">19</td><td style="text-align: center;">13515.1</td><td style="text-align: center;">13515.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">13516.1</td><td style="text-align: center;">13516.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">21</td><td style="text-align: center;">13517.1</td><td style="text-align: center;">13517.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">22</td><td style="text-align: center;">13518.1</td><td style="text-align: center;">13518.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">23</td><td style="text-align: center;">13519.1</td><td style="text-align: center;">13519.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">24</td><td style="text-align: center;">13520.1</td><td style="text-align: center;">13520.4</td><td style="text-align: center;">50</td></tr> </tbody> </table>	No. of poles	Cat. no.		Qty.	● (RAL 6018)	● (RAL 7016)	2	10034.1	10034.4	50	3	10035.1	10035.4	50	4	10036.1	10036.4	50	5	10037.1	10037.4	50	6	10038.1	10038.4	50	7	10039.1	10039.4	50	8	10040.1	10040.4	50	9	10041.1	10041.4	50	10	10042.1	10042.4	50	11	10043.1	10043.4	50	12	10044.1	10044.4	50	13	13509.1	13509.4	50	14	13510.1	13510.4	50	15	13511.1	13511.4	50	16	13512.1	13512.4	50	17	13513.1	13513.4	50	18	13514.1	13514.4	50	19	13515.1	13515.4	50	20	13516.1	13516.4	50	21	13517.1	13517.4	50	22	13518.1	13518.4	50	23	13519.1	13519.4	50	24	13520.1	13520.4	50	<table border="1" style="font-size: 8px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">No. of poles</th> <th colspan="2" style="text-align: center;">Cat. no.</th> <th rowspan="2" style="text-align: center;">Qty.</th> </tr> <tr> <th style="text-align: center;">● (RAL 6018)</th> <th style="text-align: center;">● (RAL 7016)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">2</td><td style="text-align: center;">10067.1</td><td style="text-align: center;">10067.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">10068.1</td><td style="text-align: center;">10068.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">10069.1</td><td style="text-align: center;">10069.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">10070.1</td><td style="text-align: center;">10070.4</td><td style="text-align: center;">50</td></tr> <tr><td style="text-align: center;">6</td><td style="text-align: center;">10071.1</td><td style="text-align: center;">10071.4</td><td style="text-align: center;">50</td></tr> </tbody> </table>	No. of poles	Cat. no.		Qty.	● (RAL 6018)	● (RAL 7016)	2	10067.1	10067.4	50	3	10068.1	10068.4	50	4	10069.1	10069.4	50	5	10070.1	10070.4	50	6	10071.1	10071.4	50
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Labelling	Refer to page 186.	Refer to page 186.																																																																																																																												

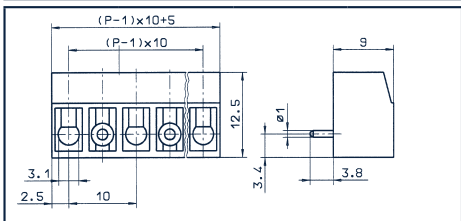


**Terminals**

**PK 100/.../10.00-H-BL**



**Diagrams**



**Wire connect type**

Wire protection

**Dimensions**

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

10.00  
6.00  
1.30

**Cross-section**

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-2.50  
0.20-2.50  
0.20-2.50

**Ratings**

**User group**

cULus

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section AWG / mm<sup>2</sup>  
Rated surge voltage (kV)  
Torque NM / Screw size  
Contamination degree

B	C	D	
300	150	300	1000
20	20	10	24
			III
22-12	22-12	22-12	2.50
1.60	1.30	1.60	3.50
0.45 / M 3	0.45 / M 3	0.45 / M 3	0.5/M 3
			3

**Material**

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw  
Wire protection

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Stainless steel

**Wave soldering process**

Recommended wave soldering temperature  
Recommended wave soldering time, min. / max.

260 °C  
3 / 4 s

**Order information**





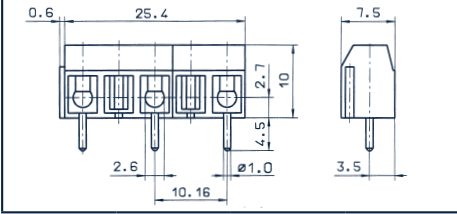
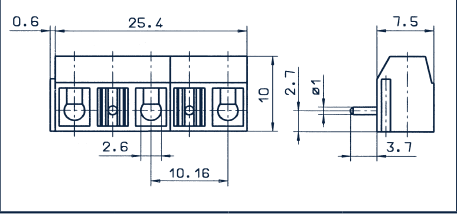
No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	10072.1	10072.4	50
3	10073.1	10073.4	50
4	10074.1	10074.4	50
5	10075.1	10075.4	50
6	10076.1	10076.4	50

**Accessories**

Labelling

Refer to page 186.

# Wire protection terminals

Terminals	PK 500/.../10.16-V	PK 500/.../10.16-H																																																																																																																																																						
  <b>10.16 mm</b>																																																																																																																																																								
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<b>Wire connect type</b>	Wire protection	Wire protection																																																																																																																																																						
<b>Dimensions</b>																																																																																																																																																								
Pitch, mm	10.16	10.16																																																																																																																																																						
Stripping length, mm	5.00	5.00																																																																																																																																																						
Drill hole diameter, mm	1.30	1.30																																																																																																																																																						
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Overvoltage category	III	III																																																																																																																																																						
Max. cross-section AWG / mm <sup>2</sup>	22-14   22-14   22-14   1.50	22-14   22-14   22-14   1.50																																																																																																																																																						
Rated surge voltage (kV)	1.60   1.30   1.60   3.50	1.60   1.30   1.60   3.50																																																																																																																																																						
Torque NM / Screw size	0.4 / M 2.6   0.4 / M 2.6   0.4 / M 2.6   0.4/M 2.6	0.4 / M 2.6   0.4 / M 2.6   0.4 / M 2.6   0.4/M 2.6																																																																																																																																																						
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# Notes



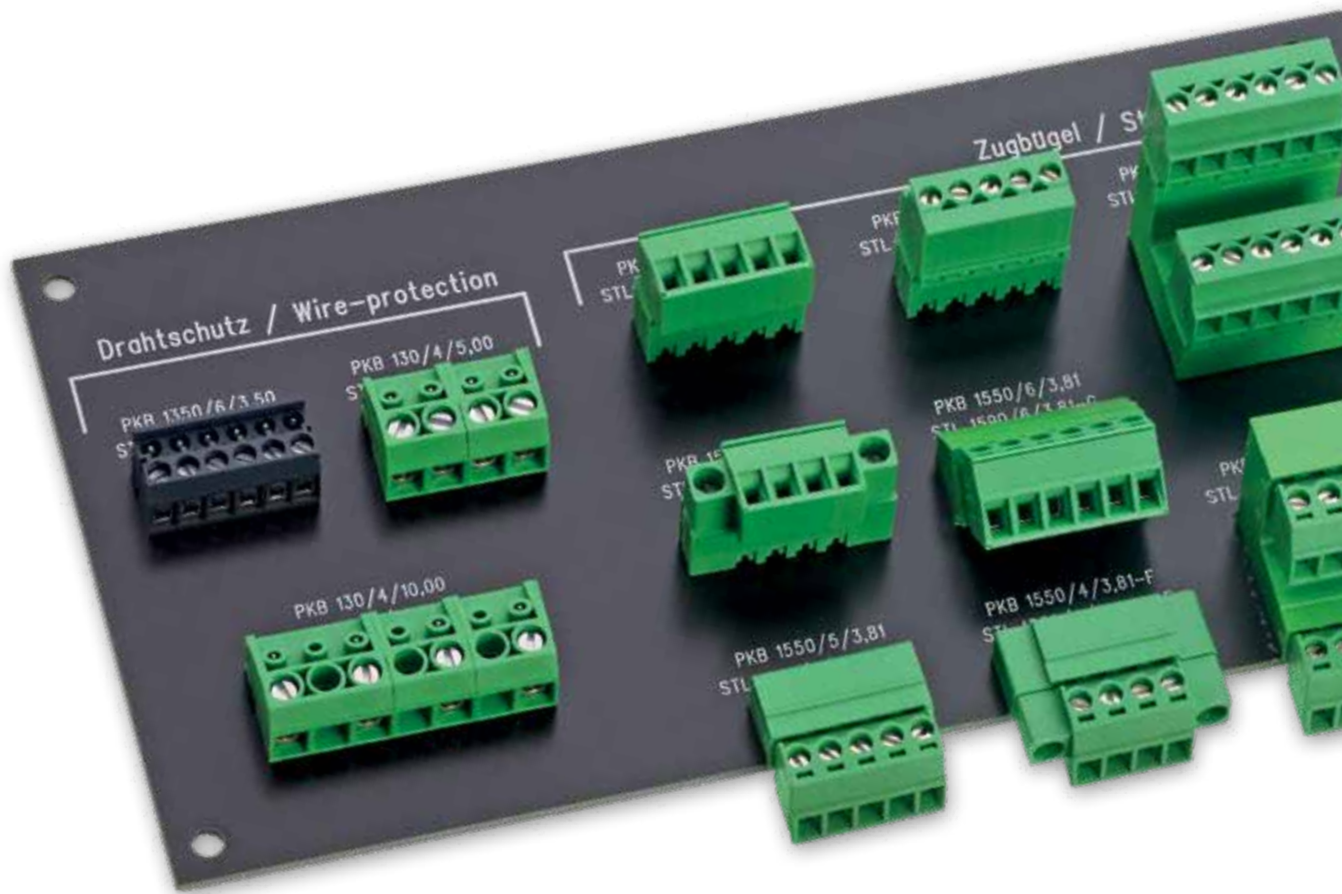
# PCB plug-in connectors

PCB plug-in connectors enable printed circuit boards to be connected quickly and easily to peripherals. The connector systems consist of a male header fixed to the printed circuit board and a pluggable female connector for the external wiring.

With many available combination options, our broadly diversified line of connectors provides convenient wire termination options for every purpose and every mounting situation.

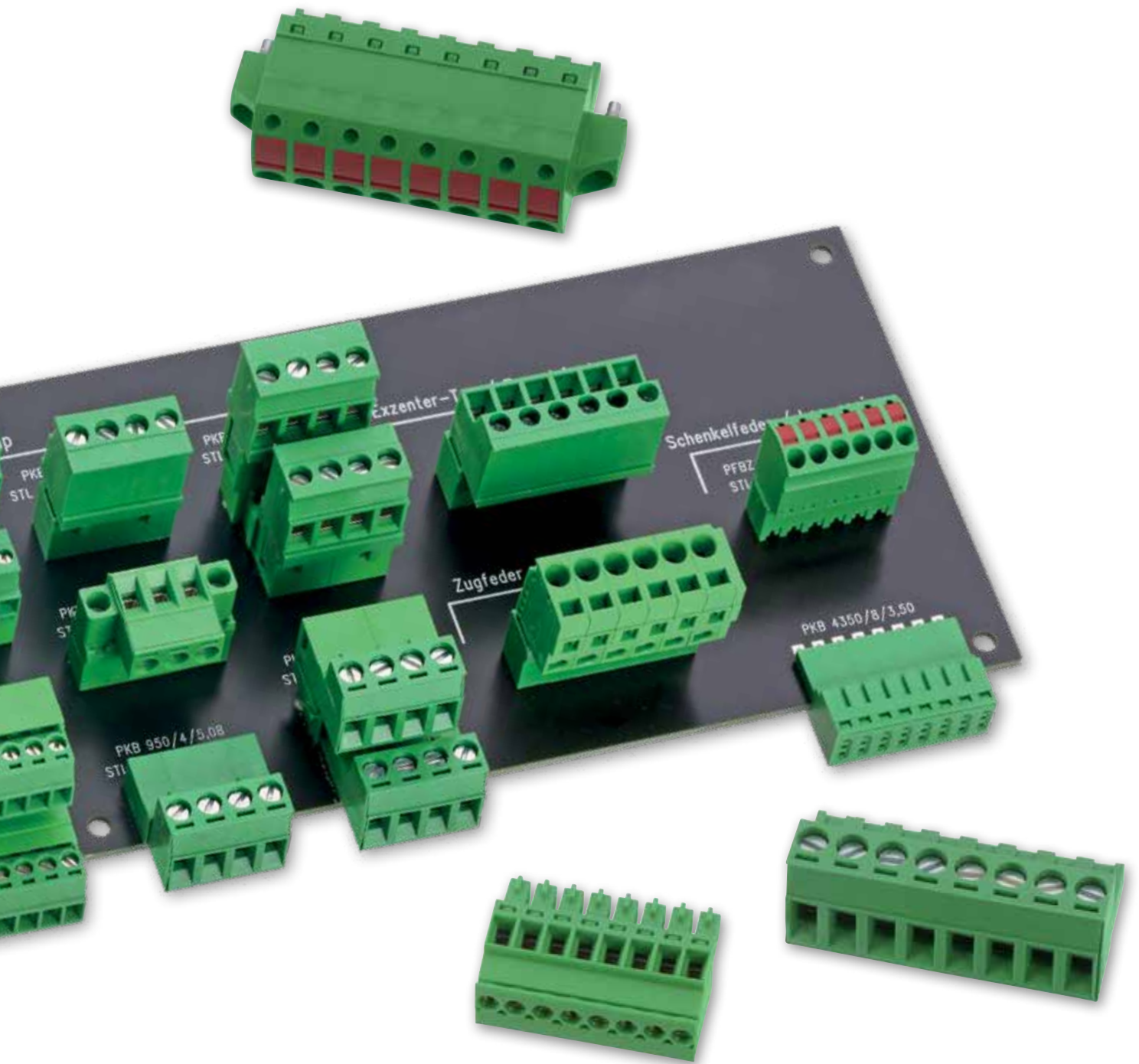
The male headers are available with open or closed side walls, in single- or double-level versions, with horizontal or vertical connections, and with or without screw flange.

The female connectors are optionally available with Push-in, wire protection, clamping yoke, tension spring or eccentric wire termination variants. They are compatible with all male headers of the same pitch. Our wide range of accessories (including coding stars, individual covers, sealing plugs and marking systems) ensure an easy alignment of contact points and a wide range of coding options without loss of poles.



## Features

- Push-in, tension-spring or screw-connection wire termination systems
- Wire cross-section up to 2.5 mm<sup>2</sup>
- Material: PA 6.6 UL 94 V-0
- Up to 24 poles
- Good electrical and mechanical characteristics
- With or without flange



# Matrix of PCB plug-in connector combinations

		Male pin block																					
Female socket block	Connection type		Article short name																				
			STL 1550 V-G	STL 1550 H-G	STL 1550 V-F	STL 1550 H-F	STL 1541 V-G	STL 1541 H-G	STL 1550 V-FR	STL 1550 H-FR	STL 1541 V-FR	STL 1541 H-FR	STL 1550 V-G	STL 1550 H-G	STL 1550 V-F	STL 1550 H-F	STL 1590 G	STL 1570 V-G	STL 1570 H-G	STL 950 V	STL 950 H	STL 950 V-G	
	Pitch		3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.50 mm	3.81 mm	3.81 mm	3.81 mm	3.81 mm	3.81 mm	3.81 mm	3.81 mm	3.81 mm	5.00 mm	5.00 mm	5.00 mm
	Flange option				●	●			●	●	●	●				●	●						
		Catalogue page		134	134	135	135	136	136	137	137	138	138	139	139	140	140	141	142	142	143	143	145
		PFB 4541-KD	3.50 mm	●	●			●	●														
		PFB 4541-FRKD	3.50 mm	●						●	●	●	●										
		PFB 4551-KD	3.50 mm	●	●																		
		PFB 4551-FKD	3.50 mm	●				●	●														
		PFB 4561-KD	3.50 mm	●	●																		
		PFB 4561-FKD	3.50 mm	●				●	●														
		PFBZ 4551-KD	3.81 mm											●	●			●	●	●			
		PFBZ 4551-FKD	3.81 mm													●	●						
		PFBZ 4561-KD	3.81 mm											●	●			●	●	●			
		PFBZ 4561-FKD	3.81 mm													●	●						
		PFB 4951-KD	5.00 mm																		●	●	●
		PFB 4951-FKD	5.00 mm																				
		PFBZ 4951-KD	5.08 mm																				
		PFBZ 4951-FKD	5.08 mm																				
		PFBZ 4961-KD	7.62 mm																				
		PFBZ 4961-FKD	7.62 mm																				
		PFBZ 4551-KD	7.62 mm																				
		PFBZ 4551-FKD	7.62 mm																				
		PKB 4350	3.50 mm																				
		PZB 3950	5.00 mm																		●	●	●



STL 950 H-G	STL 950 V-F	STL 950 H-F	STL 975 V-G	STL 975 H-G	STL 950 V	STL 950 H	STL 950 V-G	STL 950 H-G	STL 950 V-F	STL 950 H-F	STL 990 G	STL 970 V	STL 970 H	STL 970 V-G	STL 970 H-G	STL 970 V-F	STL 970 H-F	STL 960 V	STL 960 H	STL 960 V-G	STL 960 H-G	STLZ 965 V-F	STLZ 965 H-F	STLZ 1550 V-G	STLZ 1550 H-G	STLZ 1550 V-F	STLZ 1550 H-F	
5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	
	●	●							●	●						●	●										●	●

145 147 147 149 149 151 151 153 153 155 155 157 159 159 160 160 161 161 162 162 163 163 164 164 165 165 166 166


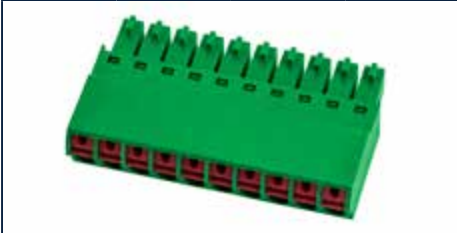

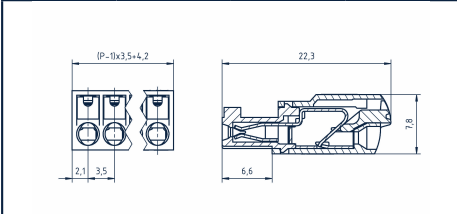
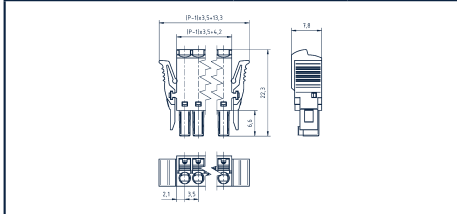



Push-in principle



Tension-spring termination

# Push-in female socket blocks

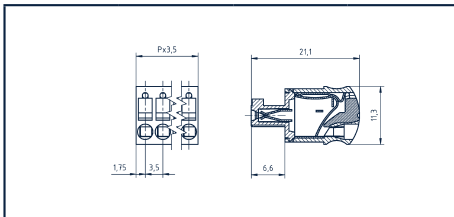
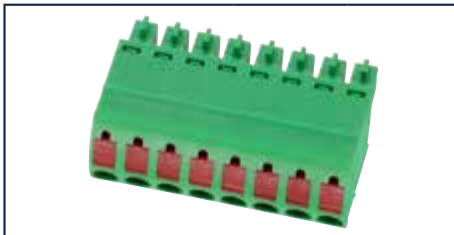
Female socket block		PFB 4541/.../3.50-KD	PFB 4541/... /3.50-FRKD																																																																																																																								
																																																																																																																											
																																																																																																																											
		<p style="text-align: center;">Push-in</p>																																																																																																																									
<b>Connection type</b>		Push-in																																																																																																																									
<b>Dimensions</b>																																																																																																																											
Pitch, mm		3.50																																																																																																																									
Stripping length, mm		10.00																																																																																																																									
Drill hole diameter, mm		10.00																																																																																																																									
<b>Cross-section</b>																																																																																																																											
Solid (rigid) mm <sup>2</sup>		0.20-1.50																																																																																																																									
Finely stranded (flexible) mm <sup>2</sup>		0.20-1.50																																																																																																																									
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-1.50																																																																																																																									
<b>Ratings</b>																																																																																																																											
<b>User group</b>		cULus* 																																																																																																																									
Rated voltage (V)		B 150 C 50 D 150 320																																																																																																																									
Rated current (A)		B 8 C 8 D 8 8																																																																																																																									
Overvoltage category		II																																																																																																																									
Max. cross-section, AWG/mm <sup>2</sup>		24-16 24-16 24-16 0.20-1.50																																																																																																																									
Rated surge voltage, kV		1.30 1.10 1.30 2.50																																																																																																																									
Contamination degree		2																																																																																																																									
<b>Material</b>																																																																																																																											
Insulation material / Flammability class		PA 6.6 / UL 94 V-0																																																																																																																									
Temperature range		-40 °C / +105 °C																																																																																																																									
Spring		Stainless steel																																																																																																																									
Contact spring		Tin-plated																																																																																																																									
<b>Order information</b>																																																																																																																											
Standard colour(s)		● (RAL 6018)																																																																																																																									
Other colours on request.																																																																																																																											
		<table border="1"> <thead> <tr> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> <th>No. of poles</th> <th>Cat. no.</th> <th>Qty.</th> </tr> </thead> <tbody> <tr><td>2</td><td>31632.1</td><td>250</td><td>2</td><td>31652.1</td><td>250</td></tr> <tr><td>3</td><td>31633.1</td><td>200</td><td>3</td><td>31653.1</td><td>200</td></tr> <tr><td>4</td><td>31634.1</td><td>200</td><td>4</td><td>31654.1</td><td>200</td></tr> <tr><td>5</td><td>31635.1</td><td>100</td><td>5</td><td>31655.1</td><td>100</td></tr> <tr><td>6</td><td>31636.1</td><td>100</td><td>6</td><td>31656.1</td><td>100</td></tr> <tr><td>7</td><td>31637.1</td><td>50</td><td>7</td><td>31657.1</td><td>50</td></tr> <tr><td>8</td><td>31638.1</td><td>50</td><td>8</td><td>31658.1</td><td>50</td></tr> <tr><td>9</td><td>31639.1</td><td>50</td><td>9</td><td>31659.1</td><td>50</td></tr> <tr><td>10</td><td>31640.1</td><td>50</td><td>10</td><td>31660.1</td><td>50</td></tr> <tr><td>11</td><td>31641.1</td><td>50</td><td>11</td><td>31661.1</td><td>50</td></tr> <tr><td>12</td><td>31642.1</td><td>50</td><td>12</td><td>31662.1</td><td>50</td></tr> <tr><td>13</td><td>31643.1</td><td>50</td><td>13</td><td>31663.1</td><td>50</td></tr> <tr><td>14</td><td>31644.1</td><td>50</td><td>14</td><td>31664.1</td><td>50</td></tr> <tr><td>15</td><td>31645.1</td><td>50</td><td>15</td><td>31665.1</td><td>50</td></tr> <tr><td>16</td><td>31646.1</td><td>50</td><td>16</td><td>31666.1</td><td>50</td></tr> <tr><td>17</td><td>31647.1</td><td>50</td><td>17</td><td>31667.1</td><td>50</td></tr> <tr><td>18</td><td>31648.1</td><td>50</td><td>18</td><td>31668.1</td><td>50</td></tr> <tr><td>19</td><td>31649.1</td><td>50</td><td>19</td><td>31669.1</td><td>50</td></tr> <tr><td>20</td><td>31650.1</td><td>50</td><td>20</td><td>31670.1</td><td>50</td></tr> </tbody> </table>		No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.	2	31632.1	250	2	31652.1	250	3	31633.1	200	3	31653.1	200	4	31634.1	200	4	31654.1	200	5	31635.1	100	5	31655.1	100	6	31636.1	100	6	31656.1	100	7	31637.1	50	7	31657.1	50	8	31638.1	50	8	31658.1	50	9	31639.1	50	9	31659.1	50	10	31640.1	50	10	31660.1	50	11	31641.1	50	11	31661.1	50	12	31642.1	50	12	31662.1	50	13	31643.1	50	13	31663.1	50	14	31644.1	50	14	31664.1	50	15	31645.1	50	15	31665.1	50	16	31646.1	50	16	31666.1	50	17	31647.1	50	17	31667.1	50	18	31648.1	50	18	31668.1	50	19	31649.1	50	19	31669.1	50	20	31650.1	50	20	31670.1	50
No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.																																																																																																																						
2	31632.1	250	2	31652.1	250																																																																																																																						
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4	31634.1	200	4	31654.1	200																																																																																																																						
5	31635.1	100	5	31655.1	100																																																																																																																						
6	31636.1	100	6	31656.1	100																																																																																																																						
7	31637.1	50	7	31657.1	50																																																																																																																						
8	31638.1	50	8	31658.1	50																																																																																																																						
9	31639.1	50	9	31659.1	50																																																																																																																						
10	31640.1	50	10	31660.1	50																																																																																																																						
11	31641.1	50	11	31661.1	50																																																																																																																						
12	31642.1	50	12	31662.1	50																																																																																																																						
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15	31645.1	50	15	31665.1	50																																																																																																																						
16	31646.1	50	16	31666.1	50																																																																																																																						
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20	31650.1	50	20	31670.1	50																																																																																																																						
<b>Accessories</b>																																																																																																																											
Labelling		Refer to page 186.																																																																																																																									
<b>Matching counterparts</b>		Refer to matrix on page 86-87																																																																																																																									
		Refer to matrix on page 86-87																																																																																																																									



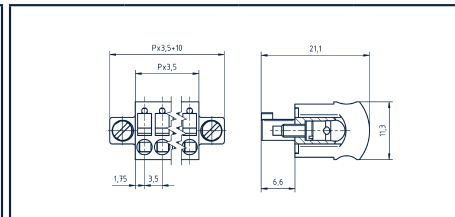
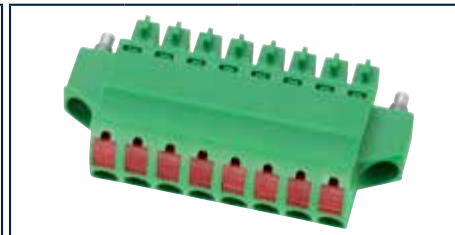
Female socket block



PFB 4551/.../3.50-KD



PFB 4551/.../3.50-FKD



Diagrams

Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

3.50  
11.00

3.50  
11.00

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-2.50  
0.14-1.50  
0.25-1.00

0.14-2.50  
0.14-1.50  
0.25-1.00

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Contamination degree

cULus*			VDE*
B	C	D	
300		300	160
10		10	10
			III
26-16		26-16	0.14-1.50
1.60		1.60	2.50
			3

cULus*			VDE*
B	C	D	
300		300	160
10		10	10
			III
26-16		26-16	0.14-1.50
1.60		1.60	2.50
			3

Material

Insulation material / Flammability class  
Temperature range  
Flange/threaded insert  
Spring  
Contact spring

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Stainless steel  
Copper alloy

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	30262.1	50
3	30263.1	50
4	30264.1	50
5	30265.1	50
6	30266.1	50
7	30267.1	50
8	30268.1	50
9	30269.1	50
10	30270.1	50
11	30271.1	50
12	30272.1	50
13	30273.1	50
14	30274.1	50
15	30275.1	50
16	30276.1	50
17	30277.1	50
18	30278.1	50
19	30279.1	50
20	30280.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	30282.1	50
3	30283.1	50
4	30284.1	50
5	30285.1	50
6	30286.1	50
7	30287.1	50
8	30288.1	50
9	30289.1	50
10	30290.1	50
11	30291.1	50
12	30292.1	50
13	30293.1	50
14	30294.1	50
15	30295.1	50
16	30296.1	50
17	30297.1	50
18	30298.1	50
19	30299.1	50
20	30300.1	50

Accessories

Labelling

Refer to page 186.

Refer to page 186.


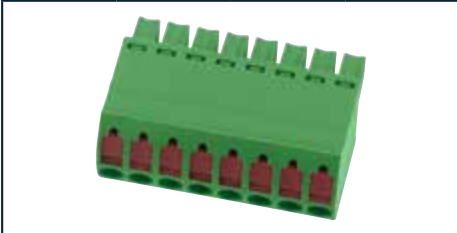
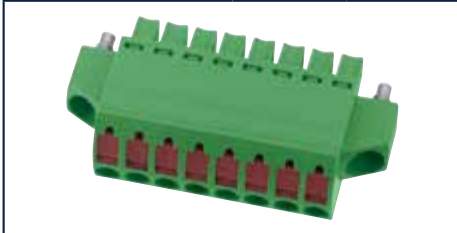
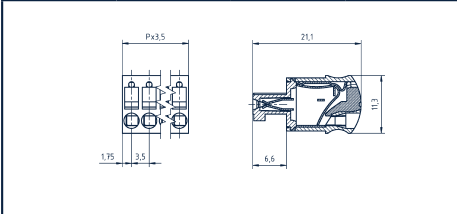
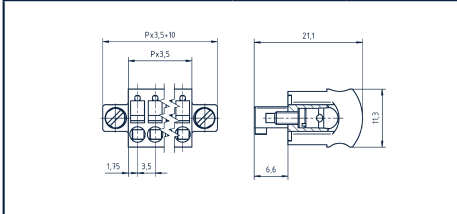
Matching counterparts

Refer to matrix on page 86-87

Refer to matrix on page 86-87

\* Approvals applied for

# Push-in female socket blocks

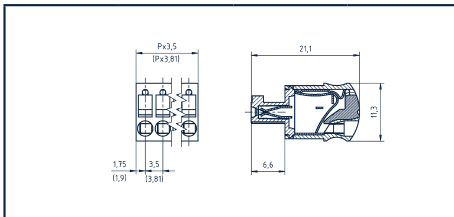
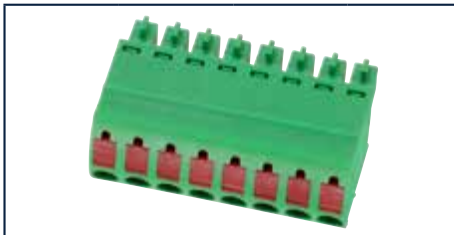
Female socket block	PFB 4561/.../3.50-KD	PFB 4561/.../3.50-FKD
		
<b>Diagrams</b>		
<b>Connection type</b>	Push-in	Push-in
<b>Dimensions</b>		
Pitch, mm	3.50	3.50
Stripping length, mm	11.00	11.00
Drill hole diameter, mm		
<b>Cross-section</b>		
Solid (rigid) mm <sup>2</sup>	0.14-2.50	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.00	0.25-1.00
<b>Ratings</b>		
<b>User group</b>	<b>cULus*</b>	<b>cULus*</b>
	<b>B C D</b>	<b>B C D</b>
Rated voltage (V)	300	300
Rated current (A)	10	10
Overvoltage category		III
Max. cross-section, AWG/mm <sup>2</sup>	26-16	26-16
Rated surge voltage, kV	1.60	1.60
Contamination degree		3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Flange/threaded insert		Steel
Spring	Stainless steel	Stainless steel
Contact spring	Copper alloy	Copper alloy
<b>Order information</b>	<b>No. of poles Cat. no. Qty.</b>	<b>No. of poles Cat. no. Qty.</b>
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	2 30302.1 50	2 30322.1 50
	3 30303.1 50	3 30323.1 50
	4 30304.1 50	4 30324.1 50
	5 30305.1 50	5 30325.1 50
	6 30306.1 50	6 30326.1 50
	7 30307.1 50	7 30327.1 50
	8 30308.1 50	8 30328.1 50
	9 30309.1 50	9 30329.1 50
	10 30310.1 50	10 30330.1 50
	11 30311.1 50	11 30331.1 50
	12 30312.1 50	12 30332.1 50
	13 30313.1 50	13 30333.1 50
	14 30314.1 50	14 30334.1 50
	15 30315.1 50	15 30335.1 50
	16 30316.1 50	16 30336.1 50
	17 30317.1 50	17 30337.1 50
	18 30318.1 50	18 30338.1 50
	19 30319.1 50	19 30339.1 50
	20 30320.1 50	20 30340.1 50
<b>Accessories</b>		
Labelling	Refer to page 186.	Refer to page 186.
<b>Matching counterparts</b>	Refer to matrix on page 86-87	Refer to matrix on page 86-87

\* Approvals applied for

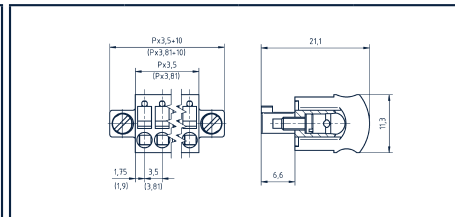
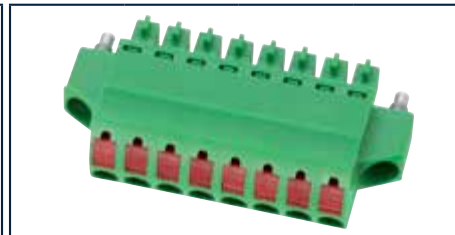
Female socket block



PFBZ 4551/... /3.81-KD



PFB 4551/.../3.81-FKD



Diagrams

Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

3.81  
11.00

3.81  
11.00

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-2.50  
0.14-1.50  
0.25-1.00

0.14-2.50  
0.14-1.50  
0.25-1.00

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Contamination degree

cULus*			VDE*
B	C	D	
300		300	160
10		10	10
			III
26-16		26-16	0.14-1.50
1.60		1.60	2.50
			3

cULus*			VDE*
B	C	D	
300		300	160
10		10	10
			III
26-16		26-16	0.14-1.50
1.60		1.60	2.50
			3

Material

Insulation material / Flammability class  
Temperature range  
Flange/threaded insert  
Spring  
Contact spring

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Stainless steel  
Copper alloy

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14000.1	50
3	14001.1	50
4	14002.1	50
5	14003.1	50
6	14004.1	50
7	14005.1	50
8	14006.1	50
9	14007.1	50
10	14008.1	50
11	14009.1	50
12	14010.1	50
13	14011.1	50
14	14012.1	50
15	14013.1	50
16	14014.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14015.1	50
3	14016.1	50
4	14017.1	50
5	14018.1	50
6	14019.1	50
7	14020.1	50
8	14021.1	50
9	14022.1	50
10	14023.1	50
11	14024.1	50
12	14025.1	50
13	14026.1	50
14	14027.1	50
15	14028.1	50
16	14029.1	50

Accessories

Labelling

Refer to page 186.

Refer to page 186.


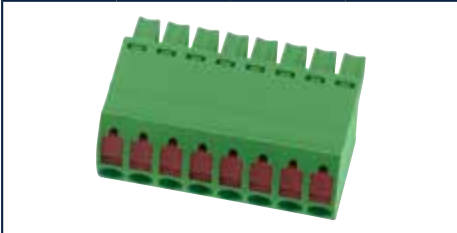
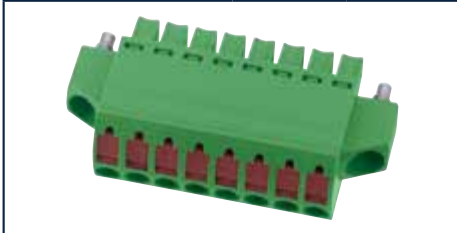
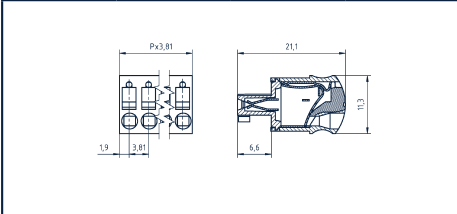
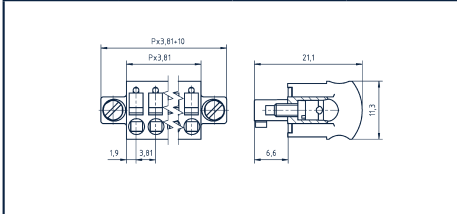
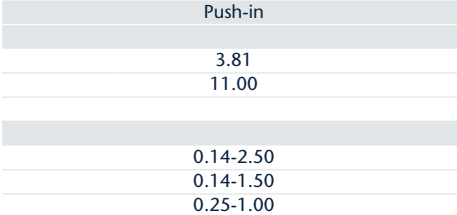
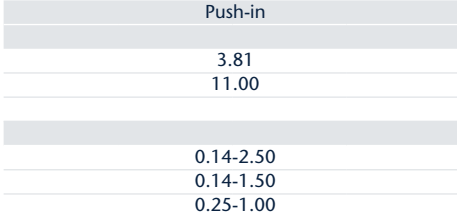
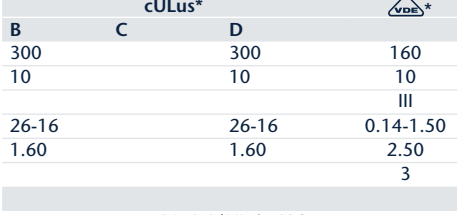
Matching counterparts

Refer to matrix on page 86-87

Refer to matrix on page 86-87

\* Approvals applied for

# Push-in female socket blocks

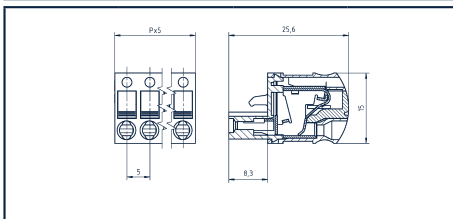
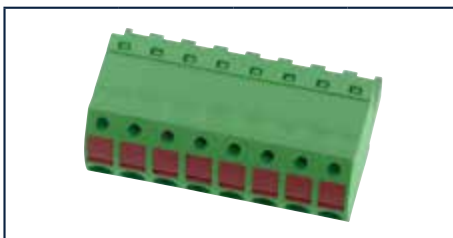
Female socket block		PFBZ 4561/... /3.81-KD	PFBZ 4561/.../3.81-FKD																																																															
																																																																		
																																																																		
																																																																		
																																																																		
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Pitch, mm		3.81																																																																
Stripping length, mm		11.00																																																																
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<b>User group</b>		<table border="1"> <thead> <tr> <th colspan="2">cULus*</th> <th colspan="2">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>160</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td>10</td> </tr> <tr> <td></td> <td></td> <td></td> <td>III</td> </tr> </tbody> </table>		cULus*		VDE*		B	C	D		300		300	160	10		10	10				III																																											
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Rated current (A)		10																																																																
Overvoltage category		III																																																																
Max. cross-section, AWG/mm <sup>2</sup>		26-16																																																																
Rated surge voltage, kV		1.60																																																																
Contamination degree		3																																																																
<b>Material</b>																																																																		
Insulation material / Flammability class		PA 6.6 / UL 94 V-0																																																																
Temperature range		-40 °C / +105 °C																																																																
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Contact spring		Copper alloy																																																																
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Labelling		Refer to page 186.																																																																
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\* Approvals applied for

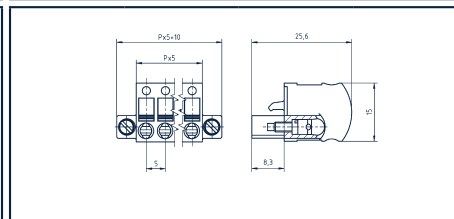
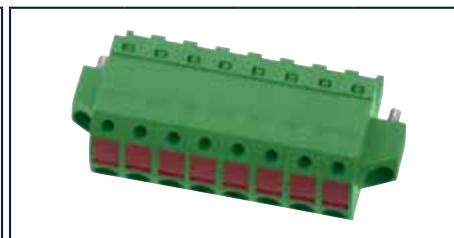
Female socket block



PFB 4951/.../5.00-KD



PFB 4951/.../5.00-FKD



Diagrams

Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
12.00

5.00  
12.00

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-2.50  
0.20-2.50  
0.25-2.50

0.20-2.50  
0.20-2.50  
0.25-2.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Contamination degree

cULus				VDE
B	C	D		
300		300		250
10		10		12
				III
26-12		26-12		0.20-2.50
1.60		1.60		4
				3

cULus				VDE
B	C	D		
300		300		250
10		10		12
				III
26-16		26-16		0.20-2.50
1.60		1.60		4
				3

Material

Insulation material / Flammability class  
Temperature range  
Flange/threaded insert  
Spring  
Contact spring

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Stainless steel  
Copper alloy

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	30382.1	50
3	30383.1	50
4	30384.1	50
5	30385.1	50
6	30386.1	50
7	30387.1	50
8	30388.1	50
9	30389.1	50
10	30390.1	50
11	30391.1	50
12	30392.1	50
13	30393.1	50
14	30394.1	50
15	30395.1	50
16	30396.1	50
17	30397.1	50
18	30398.1	50
19	30399.1	50
20	30400.1	50
21	30401.1	50
22	30402.1	50
23	30403.1	50
24	30404.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	30442.1	50
3	30443.1	50
4	30444.1	50
5	30445.1	50
6	30446.1	50
7	30447.1	50
8	30448.1	50
9	30449.1	50
10	30450.1	50
11	30451.1	50
12	30452.1	50
13	30453.1	50
14	30454.1	50
15	30455.1	50
16	30456.1	50
17	30457.1	50
18	30458.1	50
19	30459.1	50
20	30460.1	50
21	30461.1	50
22	30462.1	50
23	30463.1	50
24	30464.1	50

Accessories

Coding system

Cat. no. Qty.

K1 RD  
12002.9 100  
Refer to page 186.

K1 RD  
12002.9 100  
Refer to page 186.

Matching counterparts

Refer to matrix on page 86-87

Refer to matrix on page 86-87

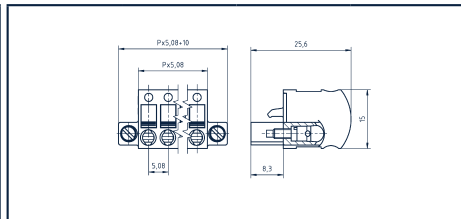
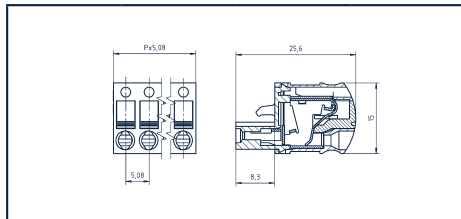
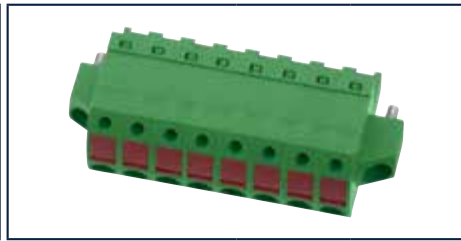
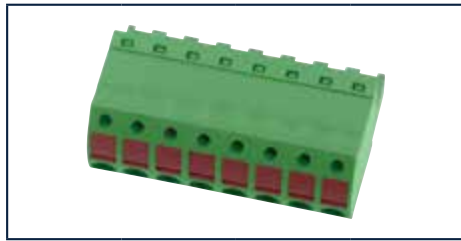
# Push-in female socket blocks

## Female socket block



## PFBZ 4951/... /5.08-KD

## PFBZ 4951/.../5.08-FKD



### Diagrams

### Connection type

### Dimensions

Pitch, mm	5.08
Stripping length, mm	12.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

### Ratings

### User group

	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	10		10	12
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	26-12		26-12	0.20-2.50
Rated surge voltage, kV	1.60		1.60	4.00
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Flange/threaded insert	
Spring	Stainless steel
Contact spring	Copper alloy

### Order information

Standard colour(s)	(RAL 6018)
Other colours on request.	

No. of poles	Cat. no.	Qty.
2	30412.1	50
3	30413.1	50
4	30414.1	50
5	30415.1	50
6	30416.1	50
7	30417.1	50
8	30418.1	50
9	30419.1	50
10	30420.1	50
11	30421.1	50
12	30422.1	50
13	30423.1	50
14	30424.1	50
15	30425.1	50
16	30426.1	50
17	30427.1	50
18	30428.1	50
19	30429.1	50
20	30430.1	50
21	30431.1	50
22	30432.1	50
23	30433.1	50
24	30434.1	50

### Connection type

### Dimensions

Pitch, mm	5.08
Stripping length, mm	12.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

### Ratings

### User group

	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	10		10	12
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	26-16		26-16	0.20-2.50
Rated surge voltage, kV	1.60		1.60	4.00
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Flange/threaded insert	Steel
Spring	Stainless steel
Contact spring	Copper alloy

### Order information

Standard colour(s)	(RAL 6018)
Other colours on request.	

No. of poles	Cat. no.	Qty.
2	30472.1	50
3	30473.1	50
4	30474.1	50
5	30475.1	50
6	30476.1	50
7	30477.1	50
8	30478.1	50
9	30479.1	50
10	30480.1	50
11	30481.1	50
12	30482.1	50
13	30483.1	50
14	30484.1	50
15	30485.1	50
16	30486.1	50
17	30487.1	50
18	30488.1	50
19	30489.1	50
20	30490.1	50
21	30491.1	50
22	30492.1	50
23	30493.1	50
24	30494.1	50

### Accessories

### Coding system

Cat. no.	Qty.	K1 RD	12002.9	100
Labelling		Refer to page 186.		

### Matching counterparts

Refer to matrix on page 86-87

### Coding system

Cat. no.	Qty.	K1 RD	12002.9	100
Labelling		Refer to page 186.		

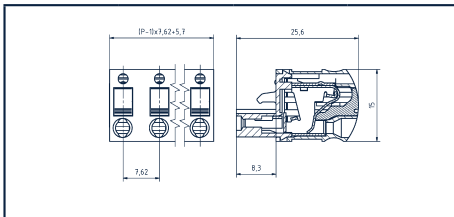
### Matching counterparts

Refer to matrix on page 86-87

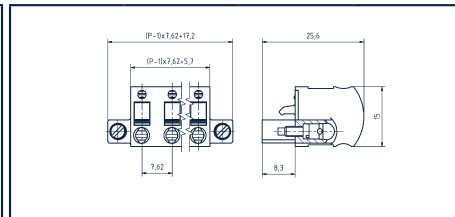
Female socket block



PFBZ 4961/.. /7.62-KD



PFBZ 4961/.. /7.62-FKD



Diagrams

Connection type

Push-in

Push-in

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

7.62  
12.00

7.62  
12.00

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.20-2.50  
0.20-2.50  
0.25-2.50

0.20-2.50  
0.20-2.50  
0.25-2.50

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Contamination degree

cULus*			VDE*
B	C	D	
300		300	400
10		10	12
			III
26-12		26-12	0.20-2.50
1.60		1.60	6
			3

cULus*			VDE*
B	C	D	
300		300	400
10		10	12
			III
26-16		26-16	0.20-2.50
1.60		1.60	6
			3

Material

Insulation material / Flammability class  
Temperature range  
Flange/threaded insert  
Spring  
Contact spring

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Stainless steel  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Steel  
Stainless steel  
Copper alloy

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	31502.1	50
3	31503.1	50
4	31504.1	50
5	31505.1	50
6	31506.1	50
7	31507.1	50
8	31508.1	50
9	31509.1	50
10	31510.1	50
11	31511.1	50
12	31512.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	31602.1	50
3	31603.1	50
4	31604.1	50
5	31605.1	50
6	31606.1	50
7	31607.1	50
8	31608.1	50
9	31609.1	50
10	31610.1	50
11	31611.1	50
12	31612.1	50

Accessories

Coding system

Cat. no. Qty.

K1 RD  
12002.9 100  
Refer to page 186.

K1 RD  
12002.9 100  
Refer to page 186.


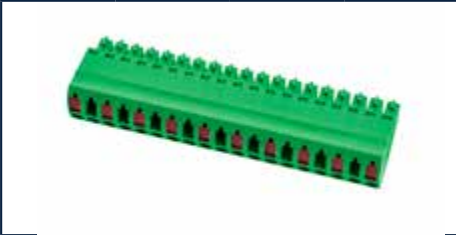
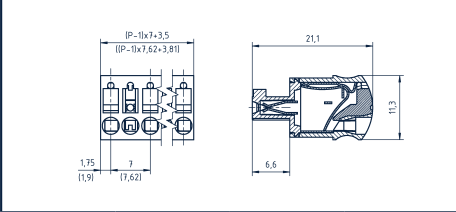
Matching counterparts

Refer to matrix on page 86-87

Refer to matrix on page 86-87

\* Approvals applied for

# Push-in female socket blocks

Female socket block		PFBZ 4551/.. /7.62-KD	PFBZ 4551/.. /7.62-FKD																																																																
																																																																			
<b>Diagrams</b>																																																																			
<b>Connection type</b>		Push-in																																																																	
<b>Dimensions</b>																																																																			
Pitch, mm		7.62	7.62																																																																
Stripping length, mm		11.00	11.00																																																																
Drill hole diameter, mm																																																																			
<b>Cross-section</b>																																																																			
Solid (rigid) mm <sup>2</sup>		0.14-2.50	0.14-2.50																																																																
Finely stranded (flexible) mm <sup>2</sup>		0.14-1.50	0.14-1.50																																																																
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-1.00	0.25-1.00																																																																
<b>Ratings</b>																																																																			
<b>User group</b>																																																																			
		<table border="1"> <thead> <tr> <th colspan="4">cULus*</th> <th colspan="4">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>500</td> <td>300</td> <td></td> <td>300</td> <td>500</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td>10</td> <td>10</td> <td></td> <td>10</td> <td>10</td> </tr> <tr> <td colspan="4"></td> <td colspan="4" style="text-align: center;">III</td> </tr> <tr> <td colspan="2">Max. cross-section, AWG/mm<sup>2</sup></td> <td>26-12</td> <td>26-12</td> <td>0.14-1.50</td> <td>26-16</td> <td>26-16</td> <td>0.14-1.50</td> </tr> <tr> <td colspan="2">Rated surge voltage, kV</td> <td>1.60</td> <td>1.60</td> <td>6</td> <td>1.60</td> <td>1.60</td> <td>6</td> </tr> <tr> <td colspan="2">Contamination degree</td> <td colspan="2"></td> <td>3</td> <td colspan="2"></td> <td>3</td> </tr> </tbody> </table>		cULus*				VDE*				B	C	D		B	C	D		300		300	500	300		300	500	10		10	10	10		10	10					III				Max. cross-section, AWG/mm <sup>2</sup>		26-12	26-12	0.14-1.50	26-16	26-16	0.14-1.50	Rated surge voltage, kV		1.60	1.60	6	1.60	1.60	6	Contamination degree				3			3
cULus*				VDE*																																																															
B	C	D		B	C	D																																																													
300		300	500	300		300	500																																																												
10		10	10	10		10	10																																																												
				III																																																															
Max. cross-section, AWG/mm <sup>2</sup>		26-12	26-12	0.14-1.50	26-16	26-16	0.14-1.50																																																												
Rated surge voltage, kV		1.60	1.60	6	1.60	1.60	6																																																												
Contamination degree				3			3																																																												
Rated voltage (V)																																																																			
Rated current (A)																																																																			
Overvoltage category																																																																			
Max. cross-section, AWG/mm <sup>2</sup>																																																																			
Rated surge voltage, kV																																																																			
Contamination degree																																																																			
<b>Material</b>																																																																			
Insulation material / Flammability class		PA 6.6 / UL 94 V-0																																																																	
Temperature range		-40 °C / +105 °C																																																																	
Flange/threaded insert																																																																			
Spring		Stainless steel																																																																	
Contact spring		Copper alloy																																																																	
<b>Order information</b>																																																																			
Standard colour(s)		● (RAL 6018)																																																																	
Other colours on request.																																																																			
	No. of poles	Cat. no.	Qty.																																																																
		30752.1	50																																																																
		30753.1	50																																																																
		30754.1	50																																																																
		30755.1	50																																																																
		30756.1	50																																																																
		30757.1	50																																																																
		30758.1	50																																																																
		30759.1	50																																																																
		30760.1	50																																																																
	No. of poles	Cat. no.	Qty.																																																																
		30762.1	50																																																																
		30763.1	50																																																																
		30764.1	50																																																																
		30765.1	50																																																																
		30766.1	50																																																																
		30767.1	50																																																																
		30768.1	50																																																																
		30769.1	50																																																																
		30770.1	50																																																																
<b>Accessories</b>																																																																			
Labelling		Refer to page 186.																																																																	
<b>Matching counterparts</b>		Refer to matrix on page 86-87																																																																	

\* Approvals applied for



Female socket block



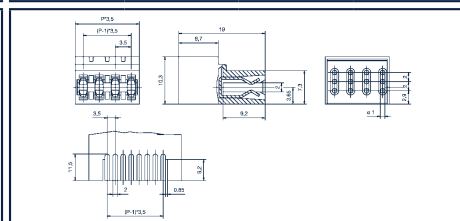
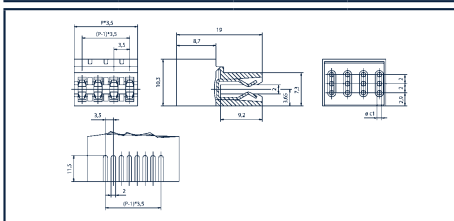
PKB 4350/.../3.50



PKB 4350/.../3.50-G



Diagrams



Connection type

Push-in

Push-in

Dimensions

Pitch, mm

3.50

3.50

Stripping length, mm

8.50

8.50

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

0.34-0.50

0.34-0.50

Finely stranded (flexible) mm<sup>2</sup>

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)

150

300

600

Rated current (A)

5

6

III

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

22-20

26-12

0.34-0.50

Rated surge voltage, kV

1.30

1.60

2.6

Contamination degree

3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

Spring

Stainless steel

Contact spring

Copper alloy

Order information

Standard colour(s)

● (RAL 6018)

Other colours on request.

No. of poles

Cat. no.

Qty.

2

13957.1

50

3

13958.1

50

4

13959.1

50

5

13960.1

50

6

13961.1

50

7

13962.1

50

8

13963.1

50

9

13964.1

50

10

13965.1

50

11

13966.1

50

12

13967.1

50

No. of poles

Cat. no.

Qty.

2

13968.1

50

3

13969.1

50

4

13970.1

50

5

13971.1

50

6

13972.1

50

7

13973.1

50

8

13974.1

50

9

13975.1

50

10

13976.1

50

11

13977.1

50

12

13978.1

50

Accessories

Labelling

Refer to page 186.

Matching counterparts

Refer to page 186.

\* Approvals applied for

# Female socket blocks, tension-spring

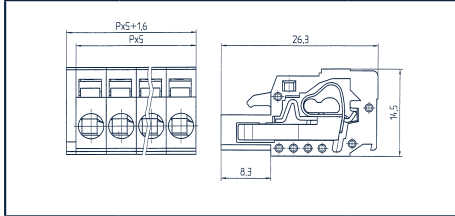
## Female socket block



## PZB 3950/... /5.00



### Diagrams



### Connection type

Tension spring

### Dimensions

Pitch, mm	5.00
Stripping length, mm	8.50
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.08-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.08-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50

### Ratings

User group	cULus			VDE
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	15		10	12
Oversvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	28-12		28-12	0.5-2.50
Rated surge voltage, kV	1.60		1.60	4
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Cage tension spring	Stainless steel
Contact spring	Copper alloy

### Order information

	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)	
Other colours on request.	2	11412.1	50
	3	11413.1	50
	4	11414.1	50
	5	11415.1	50
	6	11416.1	50
	7	11417.1	50
	8	11418.1	50
	9	11419.1	50
	10	11420.1	50
	11	11421.1	50
	12	11422.1	50
	13	11423.1	50
	14	11424.1	50
	15	11425.1	50
	16	11426.1	50
	17	11427.1	50
	18	11428.1	50
	19	11429.1	50
	20	11430.1	50
	21	11431.1	50
	22	11432.1	50
	23	11433.1	50
	24	11434.1	50

### Accessories

<b>Coding system</b>	<b>K1 RD</b>	
Cat. no.	12002.9	100
Labelling	Refer to page 186.	
<b>Matching counterparts</b>	Refer to matrix on page 86-87	

# Notes



# Matrix of PCB connector combinations

		Male pin block																				
Female socket block	Connection type																					
	Article short name		STL 1550 V-G	STL 1550 H-G	STL 1550 V-F	STL 1550 H-F	STL 1590 G	STL 1570 V-G	STL 1570 H-G	STL 950 V	STL 950 H	STL(Z) 950 V-HC	STL(Z) 950 H-HC	STL 950 V-G	STL 950 H-G	STL(Z) 950 V-G-HC	STL(Z) 950 H-G-HC	STL 950 V-F	STL 950 H-F	STL(Z) 950 V-F-HC	STL(Z) 950 H-F-HC	
	Pitch		3.50 mm	3.50 mm	3.50 mm	3.50 mm		3.81 mm	3.81 mm	3.81 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm	5.00 mm
	Flange option				●	●													●	●	●	●
Catalogue page		134	134	135	135	141	142	142	143	143	144	144	145	145	146	146	147	147	148	148		
		139	139	140	140	141	142	142	151	151	152	152	153	153	154	154	155	155	156	156		
	PKB 1550	3.50 mm																				
		3.81 mm	●	●			●	●	●													
	PKB(Z) 1551	3.50 mm																				
		3.81 mm	●	●			●	●	●													
	PKB(Z) 1552	3.50 mm																				
		3.81 mm	●	●			●	●	●													
	PKB 950	5.00 mm																				
		5.08 mm							●	●			●	●								
	PKB(Z) 950 HC	5.00 mm																				
		5.08 mm										●	●		●	●						
	PKB 955	5.00 mm																				
		5.08 mm							●	●			●	●								
	PKB 1100	5.00 mm																				
		5.08 mm							●	●			●	●								
	PKBZ 1100 F	5.08 mm																				
		5.08 mm	●																			
	PKBZ 1110 F	5.08 mm																				
		5.08 mm	●																			
	PKB 960	7.62 mm																				
		7.62 mm																				
	PKBZ 965 F	7.62 mm																				
		7.62 mm	●																			
	PBT 1200	5.00 mm																				
		5.08 mm																				
	PBT 1200 F	5.00 mm																				
		5.08 mm	●																			
	PKB 130	5.00 mm																				
		5.08 mm																				
	PKB 130 BL	10.00 mm																				
		10.16 mm																				
	ISTLZ 950 V	5.08 mm																				
		5.08 mm							●	●			●	●								
	ISTLZ 950 H	5.08 mm																				
		5.08 mm							●	●			●	●								



Clamping-yoke principle



Wire-protected principle






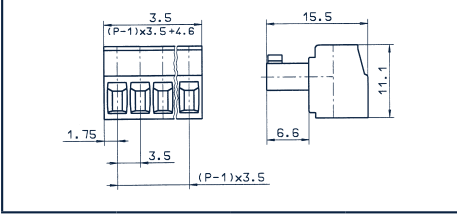
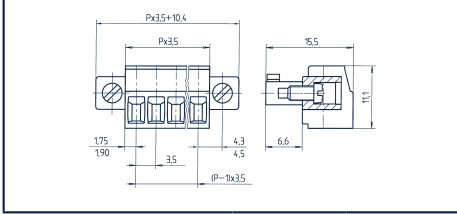
Eccentric-top principle



STL 975 V-G	STL 975 H-G	STL 990 G	STL 970 V	STL 970 H	STL 970 V-G	STL 970 H-G	STL 970 V-F	STL 970 H-F	STLZ 1520 V-G	STLZ 1520 H-G	STL 960 V	STL 960 H	STL 960 V-G	STL 960 H-G	STLZ 965 V-F	STLZ 965 H-F	STL 1350 V	STL 1350 H	STL 130 V	STL 132 V	STL 140 H	STL 130 V	IPKBZ 950	PK-TS	PK-TS F			
5.00 mm	5.00 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	5.08 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	7.62 mm	3.50 mm	3.50 mm	5.00 mm	5.00 mm	5.00 mm	5.08 mm	5.00 mm	10.00 mm	5.08 mm	5.08 mm	5.08 mm	
								●	●																			●

149	149	157	159	159	160	160	161	161	150	150	162	162	163	163	164	164	128	128	129 131	129	130 131	132 133	114	170	171	
	●	●	●	●	●	●	●	●															●	●		
							●	●																		●
	●	●	●	●	●	●																		●	●	
							●	●																		●
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	●	●	●	●	●	●					●	●	●	●												●
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			●	●	●	●																				●

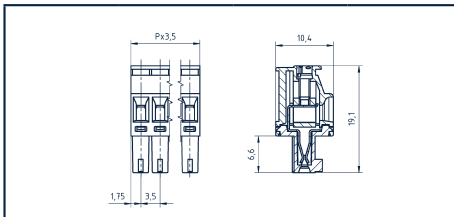
# Female socket blocks, clamping yoke

Female socket block	PKB 1550/.../3.50	PKB 1550/... /3.50-F
		
<b>Diagrams</b>		
<b>Connection type</b>	Clamping yoke	Clamping yoke
<b>Dimensions</b>		
Pitch, mm	3.50	3.50
Stripping length, mm	7.00	7.00
Drill hole diameter, mm		
<b>Cross-section</b>		
Solid (rigid) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.00	0.25-1.00
<b>Ratings</b>		
<b>User group</b>	<b>cULus</b>	<b>cULus</b>
Rated voltage (V)	B 300	B 300
Rated current (A)	C 8	C 8
Overvoltage category	D III	D III
Max. cross-section, AWG/mm <sup>2</sup>	28-16	28-12
Rated surge voltage, kV	1.60	1.60
Torque, Nm / Screw size	0.25 / M2	0.25 / M2
Contamination degree	3	3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Clamping element	Brass	Brass
Screw	Bronze	Bronze
Flange/threaded insert		Steel
Contact spring	Bronze	Bronze
<b>Order information</b>	<b>No. of poles</b>	<b>No. of poles</b>
Standard colour(s)	Cat. no. ● (RAL 6018)	Cat. no. ● (RAL 6018)
Other colours on request.	Qty.	Qty.
	2 11377.1 50	2 13717.1 50
	3 11378.1 50	3 13718.1 50
	4 11379.1 50	4 13719.1 50
	5 11380.1 50	5 13720.1 50
	6 11381.1 50	6 13721.1 50
	7 11382.1 50	7 13722.1 50
	8 11383.1 50	8 13723.1 50
	9 11384.1 50	9 13724.1 50
	10 11385.1 50	10 13725.1 50
	11 11386.1 50	11 13726.1 50
	12 11387.1 50	12 13727.1 50
	13 11388.1 50	13 13728.1 50
	14 11389.1 50	14 13729.1 50
	15 11390.1 50	15 13730.1 50
	16 11391.1 50	16 13731.1 50
	17 11392.1 50	17 13732.1 50
	18 11393.1 50	18 13733.1 50
	19 11394.1 50	19 13979.1 50
	20 11395.1 50	20 13980.1 50
<b>Accessories</b>		
Labelling	Refer to page 186.	Refer to page 186.
<b>Matching counterparts</b>	Refer to matrix on page 100-101	Refer to matrix on page 100-101

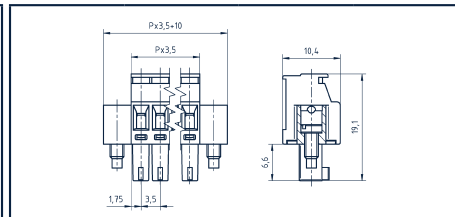
Female socket block



PKB 1551/.../3.50



PKB 1551/... /3.50-F



Diagrams

Connection type

Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

Finely stranded (flexible) mm<sup>2</sup>

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)

Rated current (A)

Oversvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Flange/threaded insert

Contact spring

Order information

Standard colour(s)

Other colours on request.

Clamping yoke

3.50

7.00

0.14-1.50

0.14-1.50

0.25-1.00

cULus\*



B

300

8

28-12

1.60

0.25 / M2

III

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Bronze

Bronze

No. of poles

Clamping yoke

3.50

7.00

0.14-1.50

0.14-1.50

0.25-1.00

cULus\*



B

300

8

28-12

1.60

0.25 / M2

III

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Bronze

Steel

Bronze

No. of poles

Accessories

Labelling

Matching counterparts

Refer to page 186.




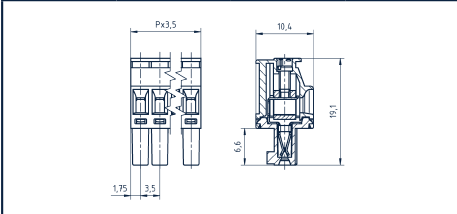
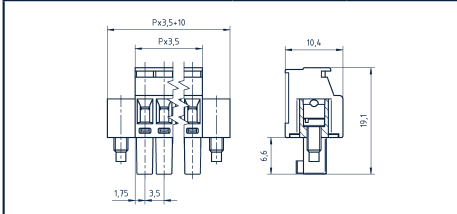
Refer to matrix on page 100-101

Refer to page 186.

Refer to matrix on page 100-101

\* Approvals applied for

# Female socket blocks, clamping yoke

Female socket block	PKB 1552/.../3.50	PKB 1552/... /3.50-F																																																																									
 <p>3.50 mm</p>																																																																											
Diagrams																																																																											
Connection type	Clamping yoke	Clamping yoke																																																																									
Dimensions																																																																											
Pitch, mm	3.50	3.50																																																																									
Stripping length, mm	7.00	7.00																																																																									
Drill hole diameter, mm																																																																											
Cross-section																																																																											
Solid (rigid) mm <sup>2</sup>	0.14-1.50	0.14-1.50																																																																									
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50																																																																									
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.00	0.25-1.00																																																																									
Ratings																																																																											
User group	<table border="1"> <thead> <tr> <th colspan="4">cULus*</th> <th colspan="4">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>160</td> <td>300</td> <td></td> <td>300</td> <td>160</td> </tr> <tr> <td>8</td> <td></td> <td>8</td> <td>8</td> <td>8</td> <td></td> <td>8</td> <td>8</td> </tr> <tr> <td colspan="4"></td> <td colspan="4">III</td> </tr> <tr> <td colspan="2">28-12</td> <td colspan="2">28-12</td> <td colspan="2">28-12</td> <td colspan="2">28-12</td> </tr> <tr> <td colspan="2">1.60</td> <td colspan="2">1.60</td> <td colspan="2">1.60</td> <td colspan="2">1.60</td> </tr> <tr> <td colspan="2">0.25 / M2</td> <td colspan="2">0.25 / M2</td> <td colspan="2">0.25 / M2</td> <td colspan="2">0.25 / M2</td> </tr> <tr> <td colspan="4"></td> <td colspan="4">3</td> </tr> </tbody> </table>			cULus*				VDE*				B	C	D		B	C	D		300		300	160	300		300	160	8		8	8	8		8	8					III				28-12		28-12		28-12		28-12		1.60		1.60		1.60		1.60		0.25 / M2		0.25 / M2		0.25 / M2		0.25 / M2						3			
cULus*				VDE*																																																																							
B	C	D		B	C	D																																																																					
300		300	160	300		300	160																																																																				
8		8	8	8		8	8																																																																				
				III																																																																							
28-12		28-12		28-12		28-12																																																																					
1.60		1.60		1.60		1.60																																																																					
0.25 / M2		0.25 / M2		0.25 / M2		0.25 / M2																																																																					
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Rated voltage (V)																																																																											
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Oversoltage category																																																																											
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Contamination degree																																																																											
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Insulation material / Flammability class	PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0																																																																							
Temperature range	-40 °C / +105 °C			-40 °C / +105 °C																																																																							
Clamping element	Brass			Brass																																																																							
Screw	Bronze			Bronze																																																																							
Flange/threaded insert				Steel																																																																							
Contact spring	Bronze			Bronze																																																																							
Order information	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.																																																																					
Standard colour(s)		● (RAL 6018)			● (RAL 6018)																																																																						
Other colours on request.	2	30062.1	50	2	30082.1	50																																																																					
	3	30063.1	50	3	30083.1	50																																																																					
	4	30064.1	50	4	30084.1	50																																																																					
	5	30065.1	50	5	30085.1	50																																																																					
	6	30066.1	50	6	30086.1	50																																																																					
	7	30067.1	50	7	30087.1	50																																																																					
	8	30068.1	50	8	30088.1	50																																																																					
	9	30069.1	50	9	30089.1	50																																																																					
	10	30070.1	50	10	30090.1	50																																																																					
	11	30071.1	50	11	30091.1	50																																																																					
	12	30072.1	50	12	30092.1	50																																																																					
	13	30073.1	50	13	30093.1	50																																																																					
	14	30074.1	50	14	30094.1	50																																																																					
	15	30075.1	50	15	30095.1	50																																																																					
	16	30076.1	50	16	30096.1	50																																																																					
	17	30077.1	50	17	30097.1	50																																																																					
	18	30078.1	50	18	30098.1	50																																																																					
	19	30079.1	50	19	30099.1	50																																																																					
	20	30080.1	50	20	30100.1	50																																																																					
Accessories																																																																											
Labelling	Refer to page 186.			Refer to page 186.																																																																							
Matching counterparts	Refer to matrix on page 100-101			Refer to matrix on page 100-101																																																																							

\* Approvals applied for



Female socket block

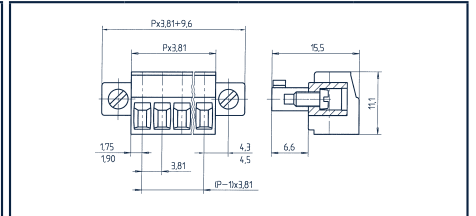
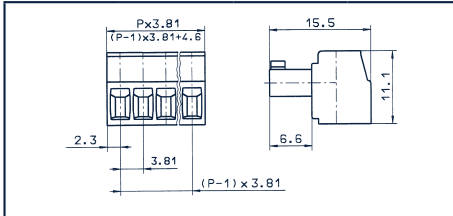


PKB 1550/.../3.81

PKB 1550/... /3.81-F



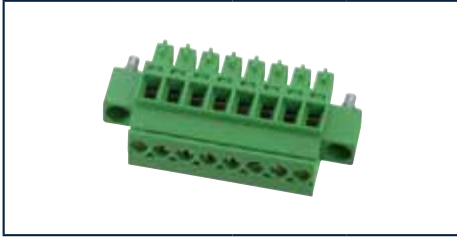
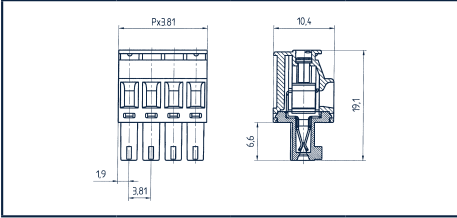
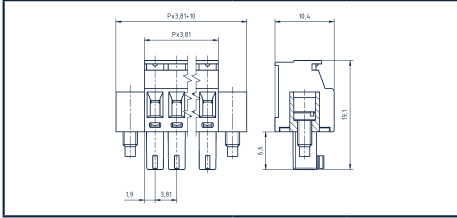




Diagrams



	Clamping yoke				Clamping yoke			
<b>Connection type</b>	Clamping yoke				Clamping yoke			
<b>Dimensions</b>								
Pitch, mm	3.81				3.81			
Stripping length, mm	7.00				7.00			
Drill hole diameter, mm								
<b>Cross-section</b>								
Solid (rigid) mm <sup>2</sup>	0.14-1.50				0.14-1.50			
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50				0.14-1.50			
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.00				0.25-1.00			
<b>Ratings</b>								
<b>User group</b>								
Rated voltage (V)	B	C	D		B	C	D	
Rated current (A)	300		300	160	300		300	160
Overvoltage category	8		8	8	8		8	8
Max. cross-section, AWG/mm <sup>2</sup>	28-12			0.50-1.50	28-12			0.50-1.50
Rated surge voltage, kV	1.60			2.50	1.60			2.50
Torque, Nm / Screw size	0.25 / M2			0.25 / M2	0.25 / M2			0.25 / M2
Contamination degree	3				3			
<b>Material</b>								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Clamping element	Brass				Brass			
Screw	Bronze				Bronze			
Flange/threaded insert					Steel			
Contact spring	Bronze				Bronze			
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>		<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>	
Standard colour(s)		● (RAL 6018)				● (RAL 6018)		
Other colours on request.	2	11396.1	50		2	13734.1	50	
	3	11397.1	50		3	13735.1	50	
	4	11398.1	50		4	13736.1	50	
	5	11399.1	50		5	13737.1	50	
	6	11400.1	50		6	13738.1	50	
	7	11401.1	50		7	13739.1	50	
	8	11402.1	50		8	13740.1	50	
	9	11403.1	50		9	13741.1	50	
	10	11404.1	50		10	13742.1	50	
	11	11405.1	50		11	13743.1	50	
	12	11406.1	50		12	13744.1	50	
	13	11407.1	50		13	13745.1	50	
	14	11408.1	50		14	13746.1	50	
	15	11409.1	50		15	13747.1	50	
	16	11410.1	50		16	13748.1	50	
	17	13981.1	50		17	13749.1	50	
	18	13982.1	50		18	13750.1	50	
	19	13983.1	50		19	13751.1	50	
	20	13984.1	50		20	13752.1	50	
<b>Accessories</b>								
Labelling	Refer to page 186.				Refer to page 186.			
<b>Matching counterparts</b>	Refer to matrix on page 100-101				Refer to matrix on page 100-101			

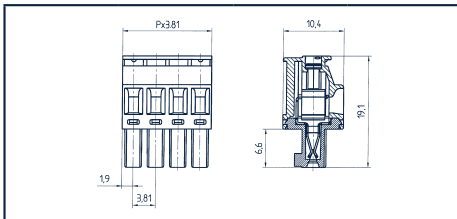
# Female socket blocks, clamping yoke

Female socket block	PKBZ 1551/.../3.81	PKBZ 1551/.../3.81-F				
 <p>3.81 mm</p>						
Diagrams						
Connection type	Clamping yoke	Clamping yoke				
Dimensions						
Pitch, mm	3.81	3.81				
Stripping length, mm	7.00	7.00				
Drill hole diameter, mm						
Cross-section						
Solid (rigid) mm <sup>2</sup>	0.14-1.50	0.14-1.50				
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50	0.14-1.50				
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-1.00	0.25-1.00				
Ratings						
User group	cULus 			cULus 		
Rated voltage (V)	B 300	C 300	D 160	B 300	C 300	D 160
Rated current (A)	8	8	8	8	8	8
Oversoltage category			III			III
Max. cross-section, AWG/mm <sup>2</sup>	28-16	28-16	0.50-1.50	28-16	28-16	0.50-1.50
Rated surge voltage, kV	1.60	1.60	2.50	1.60	1.60	2.50
Torque, Nm / Screw size	0.25 / M2	0.25 / M2	0.25 / M2	0.25 / M2	0.25 / M2	0.25 / M2
Contamination degree			3			3
Material						
Insulation material / Flammability class	PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C			-40 °C / +105 °C		
Clamping element	Brass			Brass		
Clamping cage / Eccentric	Bronze			Bronze		
Flange/threaded insert				Steel		
Contact spring	Bronze			Bronze		
Order information	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)			● (RAL 6018)	
Other colours on request.	2	13039.1	50	2	14060.1	50
	3	13040.1	50	3	14061.1	50
	4	13041.1	50	4	14062.1	50
	5	13042.1	50	5	14063.1	50
	6	13043.1	50	6	14064.1	50
	7	13044.1	50	7	14065.1	50
	8	13045.1	50	8	14066.1	50
	9	13046.1	50	9	14067.1	50
	10	13047.1	50	10	14068.1	50
	11	13048.1	50	11	14069.1	50
	12	13049.1	50	12	14070.1	50
	13	13050.1	50	13	14071.1	50
	14	13051.1	50	14	14072.1	50
	15	13052.1	50	15	14073.1	50
	16	13053.1	50	16	14074.1	50
	17	13054.1	50	17	14075.1	50
	18	13055.1	50	18	14076.1	50
	19	13056.1	50	19	14077.1	50
	20	13057.1	50	20	14078.1	50
Accessories						
Labelling	Refer to page 186.			Refer to page 186.		
Matching counterparts	Refer to matrix on page 100-101			Refer to matrix on page 100-101		

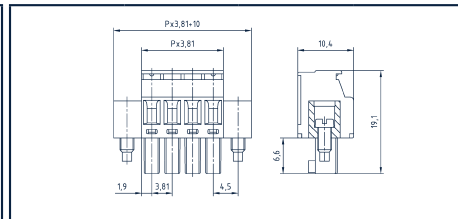
Female socket block



PKBZ 1552/.../3.81



PKBZ 1552/.../3.81-F



Diagrams

Connection type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

3.81  
7.00

3.81  
7.00

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.14-1.50  
0.14-1.50  
0.25-1.00

0.14-1.50  
0.14-1.50  
0.25-1.00

Ratings

User group

cULus				
B	C	D		
300		300	160	
8		8	8	
				III
28-16		28-16	0.50-1.50	
1.60		1.60	2.50	
0.25 / M2		0.25 / M2	0.25 / M2	
				3

cULus				
B	C	D		
300		300	160	
8		8	8	
				III
28-16		28-16	0.50-1.50	
1.60		1.60	2.50	
0.25 / M2		0.25 / M2	0.25 / M2	
				3

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw  
Flange/threaded insert  
Contact spring

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Bronze  
Bronze

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Bronze  
Steel  
Bronze

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13062.1	50
3	13063.1	50
4	13064.1	50
5	13065.1	50
6	13066.1	50
7	13067.1	50
8	13068.1	50
9	13069.1	50
10	13070.1	50
11	13071.1	50
12	13072.1	50
13	13073.1	50
14	13074.1	50
15	13075.1	50
16	13076.1	50
17	13077.1	50
18	13078.1	50
19	13079.1	50
20	13080.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14079.1	50
3	14080.1	50
4	14081.1	50
5	14082.1	50
6	14083.1	50
7	14084.1	50
8	14085.1	50
9	14086.1	50
10	14087.1	50
11	14088.1	50
12	14089.1	50
13	14090.1	50
14	14091.1	50
15	14092.1	50
16	14093.1	50
17	14094.1	50
18	14095.1	50
19	14096.1	50
20	14097.1	50

Accessories

Labelling

Refer to page 186.



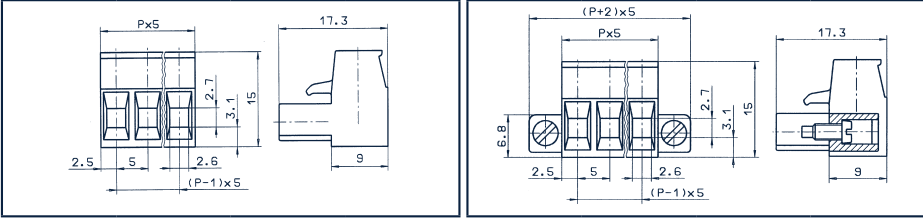
Refer to page 186.

Matching counterparts

Refer to matrix on page 100-101

Refer to matrix on page 100-101

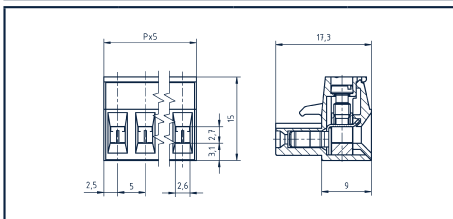
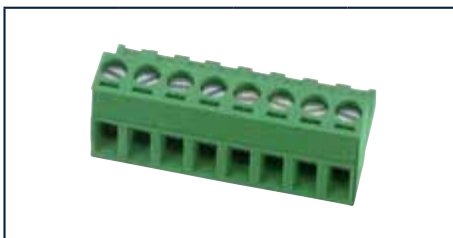
# Female socket blocks, clamping yoke

Female socket block		PKB 950/.../5.00	PKB 950/... /5.00-F																																																																																																																																																
																																																																																																																																																			
<b>Diagrams</b>																																																																																																																																																			
<b>Connection type</b>		Clamping yoke																																																																																																																																																	
<b>Dimensions</b>																																																																																																																																																			
Pitch, mm		5.00																																																																																																																																																	
Stripping length, mm		6.00																																																																																																																																																	
Drill hole diameter, mm		6.00																																																																																																																																																	
<b>Cross-section</b>																																																																																																																																																			
Solid (rigid) mm <sup>2</sup>		0.20-4.00																																																																																																																																																	
Finely stranded (flexible) mm <sup>2</sup>		0.20-2.50																																																																																																																																																	
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-2.50																																																																																																																																																	
<b>Ratings</b>																																																																																																																																																			
<b>User group</b>		<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th>VDE</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>250</td> </tr> <tr> <td>15</td> <td>15</td> <td>15</td> <td></td> <td>12</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> </tbody> </table>		cULus				VDE	B	C	D			300	150	300		250	15	15	15		12					III																																																																																																																							
cULus				VDE																																																																																																																																															
B	C	D																																																																																																																																																	
300	150	300		250																																																																																																																																															
15	15	15		12																																																																																																																																															
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Rated current (A)		15																																																																																																																																																	
Overvoltage category		III																																																																																																																																																	
Max. cross-section, AWG/mm <sup>2</sup>		22-12																																																																																																																																																	
Rated surge voltage, kV		1.60																																																																																																																																																	
Torque, Nm / Screw size		0.5 / M3																																																																																																																																																	
Contamination degree		3																																																																																																																																																	
<b>Material</b>																																																																																																																																																			
Insulation material / Flammability class		PA 6.6 / UL 94 V-0																																																																																																																																																	
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Contact spring		Bronze																																																																																																																																																	
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Standard colour(s)		● (RAL 6018)																																																																																																																																																	
Other colours on request.																																																																																																																																																			
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6	11211.1	50	6	11272.1	50																																																																																																																																														
7	11212.1	50	7	11273.1	50																																																																																																																																														
8	11213.1	50	8	11274.1	50																																																																																																																																														
9	11214.1	50	9	11275.1	50																																																																																																																																														
10	11215.1	50	10	11276.1	50																																																																																																																																														
11	11216.1	50	11	13226.1	50																																																																																																																																														
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<b>Coding system</b>		<table border="1"> <thead> <tr> <th>K1 RD</th> <th>Qty.</th> <th>K1 RD</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>12002.9</td> <td>100</td> <td>12002.9</td> <td>100</td> </tr> </tbody> </table>		K1 RD	Qty.	K1 RD	Qty.	12002.9	100	12002.9	100																																																																																																																																								
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Cat. no.		Refer to page 186.																																																																																																																																																	
Labelling		Refer to page 186.																																																																																																																																																	
<b>Matching counterparts</b>		Refer to matrix on page 100-101																																																																																																																																																	

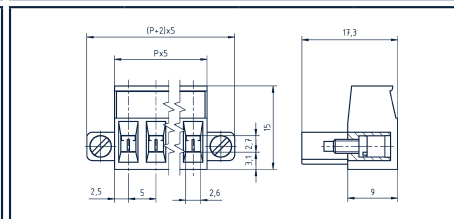
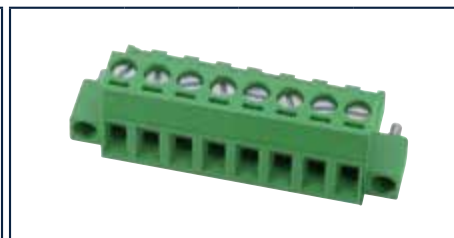
Female socket block



PKB 950/.../5.00-HC



PKB 950/.../5.00-F-HC



Diagrams

Connection type

Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

Finely stranded (flexible) mm<sup>2</sup>

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)

Rated current (A)

Oversoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Flange/threaded insert

Contact spring

Order information

Standard colour(s)

Other colours on request.

Clamping yoke

5.00

6.00

0.20-4.00

0.20-2.50

0.25-2.50

cULus\*



B

C

D

250

300

150

300

16

16

10

16

III

22-12

22-12

22-12

0.50-2.50

1.60

1.30

1.60

4.00

0.5 / M3

0.5 / M3

0.5 / M3

0.5 / M3

3

Clamping yoke

5.00

6.00

0.20-4.00

0.20-2.50

0.25-2.50

cULus\*



B

C

D

250

300

150

300

16

16

10

16

III

22-12

22-12

22-12

0.50-2.50

1.60

1.30

1.60

4.00

0.5 / M3

0.5 / M3

0.5 / M3

0.5 / M3

3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Copper alloy

No. of poles

Cat. no.

Qty.

2

● (RAL 6018)  
30122.1

50

3

30123.1

50

4

30124.1

50

5

30125.1

50

6

30126.1

50

7

30127.1

50

8

30128.1

50

9

30129.1

50

10

30130.1

50

11

30131.1

50

12

30132.1

50

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Copper alloy

No. of poles

Cat. no.

Qty.

2

● (RAL 6018)  
30162.1

50

3

30163.1

50

4

30164.1

50

5

30165.1

50

6

30166.1

50

7

30167.1

50

8

30168.1

50

9

30169.1

50

10

30170.1

50

11

30171.1

50

12

30172.1

50

Accessories

Coding system

Cat. no.

Qty.

K1 RD

12002.9

100

Labelling

Refer to page 186.

Matching counterparts

Refer to matrix on page 100-101

K1 RD

12002.9

100

Refer to page 186.

Refer to matrix on page 100-101

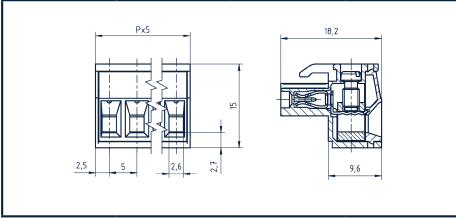
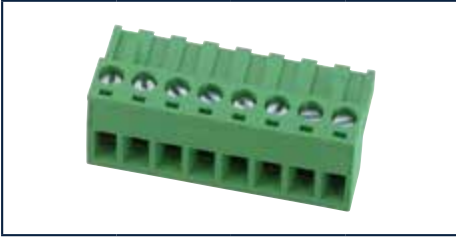
\* Approvals applied for

# Female socket blocks, clamping yoke

## Female socket block



## PKB 955/.../5.00



### Diagrams

### Connection type

Clamping yoke

### Dimensions

Pitch, mm	5.00
Stripping length, mm	7.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.20-4.00
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50

### Ratings

#### User group

	cULus			
	B	C	D	
Rated voltage (V)	300		300	250
Rated current (A)	12		10	9
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	28-12		28-12	0.20-2.50
Rated surge voltage, kV	1.60		1.60	2.00
Torque, Nm / Screw size	0.5 / M3		0.5 / M3	0.5 / M3
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Bronze
Flange/threaded insert	
Contact spring	Bronze

### Order information

	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)	
Other colours on request.	2	30202.1	50
	3	30203.1	50
	4	30204.1	50
	5	30205.1	50
	6	30206.1	50
	7	30207.1	50
	8	30208.1	50
	9	30209.1	50
	10	30210.1	50
	11	30211.1	50
	12	30212.1	50
	13	30213.1	50
	14	30214.1	50
	15	30215.1	50
	16	30216.1	50
	17	30217.1	50
	18	30218.1	50
	19	30219.1	50
	20	30220.1	50
	21	30221.1	50
	22	30222.1	50
	23	30223.1	50
	24	30224.1	50

### Accessories

#### Coding system

Cat. no.	Qty.	K1 RD	12002.9	100
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#### Labelling

Refer to page 186.

#### Matching counterparts

Refer to matrix on page 100-101

Female socket block



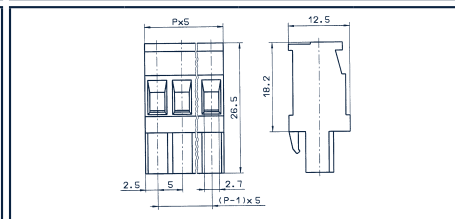
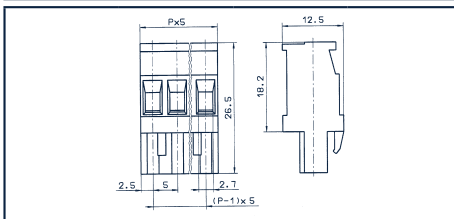
PKB 1100/.../5.00



PKB 1110/.../5.00



Diagrams



Connection type

Clamping yoke

Clamping yoke

Dimensions

Pitch, mm

5.00

5.00

Stripping length, mm

7.00

7.00

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

0.20-4.00

0.20-4.00

Finely stranded (flexible) mm<sup>2</sup>

0.20-2.50

0.20-2.50

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.25-2.50

0.25-2.50

Ratings

User group

cULus				
B	C	D		
300	150	300		250
15	15	10		10
				III
22-10	22-10	22-10		0.50-2.50
1.60	1.30	1.60		4.00
0.5 / M3	0.5 / M3	0.5 / M3		0.5 / M3
				3

cULus				
B	C	D		
300	150	300		250
15	15	10		10
				III
22-10	22-10	22-10		0.50-2.50
1.60	1.30	1.60		4.00
0.5 / M3	0.5 / M3	0.5 / M3		0.5 / M3
				3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

-40 °C / +105 °C

Clamping element

Brass

Brass

Screw

Steel

Steel

Contact spring

Bronze

Bronze

Order information

Standard colour(s)

● (RAL 6018)

● (RAL 6018)

Other colours on request.

No. of poles	Cat. no.	Qty.
2	11286.1	50
3	11287.1	50
4	11288.1	50
5	11289.1	50
6	11290.1	50
7	11291.1	50
8	11292.1	50
9	11293.1	50
10	11294.1	50
11	11295.1	50
12	11296.1	50
13	11297.1	50
14	11298.1	50
15	11299.1	50
16	11300.1	50
17	11301.1	50
18	11302.1	50
19	11303.1	50
20	11304.1	50

No. of poles	Cat. no.	Qty.
2	11320.1	50
3	11321.1	50
4	11322.1	50
5	11323.1	50
6	11324.1	50
7	11325.1	50
8	11326.1	50
9	11327.1	50
10	11328.1	50
11	11329.1	50
12	11330.1	50
13	11331.1	50
14	11332.1	50
15	11333.1	50
16	11334.1	50
17	11335.1	50
18	11336.1	50
19	11337.1	50
20	11338.1	50

Accessories

Coding system

Cat. no.

Qty.

K1 RD

12002.9

K1 RD

12002.9

Labelling

Refer to page 186.

Refer to page 186.

Matching counterparts

Refer to matrix on page 100-101

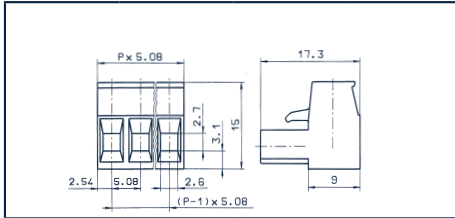
Refer to matrix on page 100-101

# Female socket blocks, clamping yoke

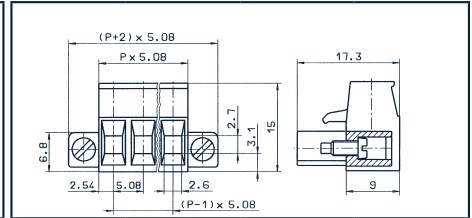
## Female socket block



## PKB 950/.../5.08



## PKB 950/... /5.08-F



### Diagrams

### Connection type

### Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

### Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

### Ratings

### User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size

Contamination degree

### Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw  
Flange/threaded insert  
Contact spring

### Order information

Standard colour(s)  
Other colours on request.

### Accessories

### Coding system

Cat. no.  
Labelling

### Matching counterparts

### Clamping yoke

5.08  
6.00

### cULus



B	C	D	
300	150	300	250
15	15	10	12
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3
3			

### Clamping yoke

5.08  
6.00

### cULus



B	C	D	
300	150	300	250
15	15	10	12
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel

Bronze

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11230.1	50
3	11231.1	50
4	11232.1	50
5	11233.1	50
6	11234.1	50
7	11235.1	50
8	11236.1	50
9	11237.1	50
10	11238.1	50
11	11239.1	50
12	11240.1	50
13	11241.1	50
14	11242.1	50
15	11243.1	50
16	11244.1	50
17	11245.1	50
18	11246.1	50
19	11247.1	50
20	11248.1	50
21	11249.1	50
22	11250.1	50
23	11251.1	50
24	11252.1	50

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel

Bronze

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11277.1	50
3	11278.1	50
4	11279.1	50
5	11280.1	50
6	11281.1	50
7	11282.1	50
8	11283.1	50
9	11284.1	50
10	11285.1	50
11	13212.1	50
12	13213.1	50
13	13214.1	50
14	13215.1	50
15	13216.1	50
16	13217.1	50
17	13218.1	50
18	13219.1	50
19	13220.1	50
20	13221.1	50
21	13222.1	50
22	13223.1	50
23	13707.1	50
24	13708.1	50

**K1 RD**  
12002.9 Qty. 100  
Refer to page 186.

Refer to matrix on page 100-101

**K1 RD**  
12002.9 Qty. 100  
Refer to page 186.

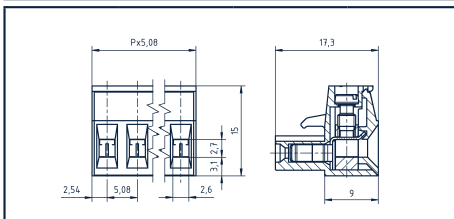
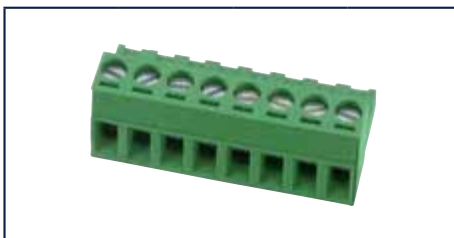
Refer to matrix on page 100-101



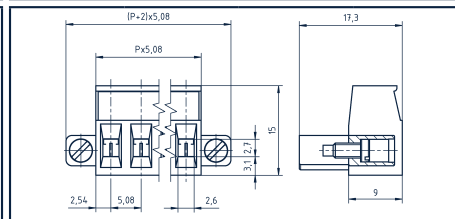
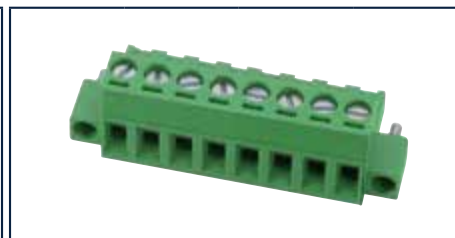
Female socket block



PKBZ 950/.../5.08-HC



PKBZ 950/.../5.08-F-HC



Diagrams

Connection type

Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

Finely stranded (flexible) mm<sup>2</sup>

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)

Rated current (A)

Oversoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Flange/threaded insert

Contact spring

Order information

Standard colour(s)

Other colours on request.

Clamping yoke

5.08

6.00

0.20-4.00

0.20-2.50

0.25-2.50

cULus\*



B

C

D

250

300

150

300

16

16

10

16

III

22-10

22-10

22-10

0.50-2.50

1.60

1.30

1.60

4.00

0.8 / M3

0.8 / M3

0.8 / M3

0.8 / M3

3

Copper alloy

No. of poles

Cat. no.

Qty.

● (RAL 6018)

2

30142.1

50

3

30143.1

50

4

30144.1

50

5

30145.1

50

6

30146.1

50

7

30147.1

50

8

30148.1

50

9

30149.1

50

10

30150.1

50

11

30151.1

50

12

30152.1

50

Clamping yoke

5.08

6.00

0.20-4.00

0.20-2.50

0.25-2.50

cULus\*



B

C

D

250

300

150

300

16

16

10

16

III

22-12

22-12

22-12

0.50-2.50

1.60

1.30

1.60

4.00

0.8 / M3

0.8 / M3

0.8 / M3

0.5 / M3

3

Copper alloy

No. of poles

Cat. no.

Qty.

● (RAL 6018)

2

30182.1

50

3

30183.1

50

4

30184.1

50

5

30185.1

50

6

30186.1

50

7

30187.1

50

8

30188.1

50

9

30189.1

50

10

30190.1

50

11

30191.1

50

12

30192.1

50

Accessories

Coding system

Cat. no.

Qty.

K1 RD

12002.9

100

Labelling

Refer to page 186.

Matching counterparts

Refer to matrix on page 100-101

K1 RD

12002.9

100

Refer to page 186.

Refer to matrix on page 100-101

\* Approvals applied for

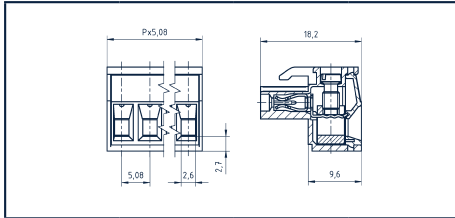
## Female socket blocks, clamping yoke

## Female socket block

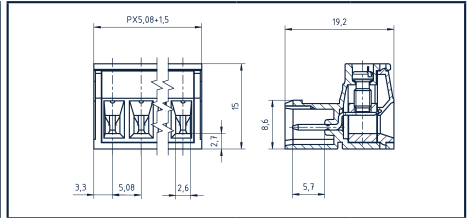


5.08 mm

## PKBZ 955/.../5.08



## IPKBZ 950/.../5.08



## Diagrams

## Connection type

## Dimensions

Pitch, mm

Stripping length, mm

Drill hole diameter, mm

## Cross-section

Solid (rigid) mm<sup>2</sup>Finely stranded (flexible) mm<sup>2</sup>Finely stranded (with wire-end ferrule) mm<sup>2</sup>

## Ratings

## User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

## Material

Insulation material / Flammability class

Temperature range

Clamping element

Screw

Flange/threaded insert

Contact spring

## Order information

Standard colour(s)

Other colours on request.

## Accessories

## Coding system

Cat. no.

Labelling

## Matching counterparts

## Clamping yoke

5.08

7.00

## Clamping yoke

## Clamping yoke

5.08

7.00

## cULus



B

C

D

300

12

28-10

1.60

0.5 / M3

300

10

28-10

1.60

0.5 / M3

250

9

0.20-2.50

2.00

0.5 / M3

## cULus



B

C

D

300

15

28-10

1.60

0.5 / M3

300

10

28-10

1.60

0.5 / M3

250

16

0.20-2.50

4.00

0.5 / M3

3

3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Bronze

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Brass

Steel

Brass

No. of poles

Cat. no.

● (RAL 6018)

2 30232.1

3 30233.1

4 30234.1

5 30235.1

6 30236.1

7 30237.1

8 30238.1

9 30239.1

10 30240.1

11 30241.1

12 30242.1

13 30243.1

14 30244.1

15 30245.1

16 30246.1

17 30247.1

18 30248.1

19 30249.1

20 30250.1

21 30251.1

22 30252.1

23 30253.1

24 30254.1

Qty.

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

No. of poles

Cat. no.

● (RAL 6018)

2 14196.1

3 14197.1

4 14198.1

5 14199.1

6 14200.1

7 14201.1

8 14202.1

9 14203.1

10 14204.1

11 14205.1

12 14206.1

13 14207.1

14 14208.1

15 14209.1

16 14210.1

17 14211.1

18 14212.1

19 14213.1

20 14214.1

21 14215.1

22 14216.1

23 14217.1

24 14218.1

Qty.

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

K1 RD

12002.9

Qty.

Refer to page 186.

100

K5 RD

14310.4

Refer to page 186.

100

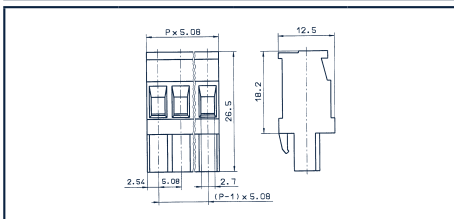
Refer to matrix on page 100-101

Refer to matrix on page 100-101

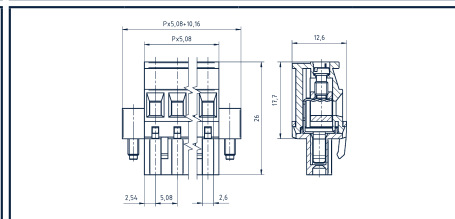
Female socket block



PKB 1100/.../5.08



PKBZ 1100/.../5.08-F



Diagrams

Connection type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw  
Flange/threaded insert  
Contact spring

Order information

Standard colour(s)  
Other colours on request.

Clamping yoke

5.08  
7.00

cULus

B	C	D	VDE
300	150	300	250
15	15	10	10
III			
22-10	22-10	22-10	0.50-2.50
1.60	1.30	1.60	4.00
0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3
3			

Bronze

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11305.1	50
3	11306.1	50
4	11307.1	50
5	11308.1	50
6	11309.1	50
7	11310.1	50
8	11311.1	50
9	11312.1	50
10	11313.1	50
11	11314.1	50
12	11315.1	50
13	11316.1	50
14	11317.1	50
15	11318.1	50
16	11319.1	50

Clamping yoke

5.08  
7.00

cULus

B	C	D	VDE
300	150	300	250
15	15	10	10
III			
28-12	28-12	28-12	0.50-2.50
1.60	1.60	1.60	4.00
0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3
3			

Bronze

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	14219.1	50
3	14220.1	50
4	14221.1	50
5	14222.1	50
6	14223.1	50
7	14224.1	50
8	14225.1	50
9	14226.1	50
10	14227.1	50
11	14228.1	50
12	14229.1	50
13	14230.1	50
14	14231.1	50
15	14232.1	50
16	14233.1	50
17	14234.1	50
18	14235.1	50
19	14236.1	50
20	14237.1	50
21	14238.1	50
22	14239.1	50
23	14240.1	50
24	14241.1	50

Accessories

Coding system

Cat. no. Qty.

Labelling

Matching counterparts

K1 RD  
12002.9 100

Refer to page 186.




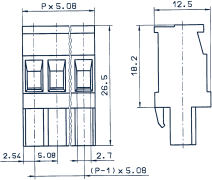
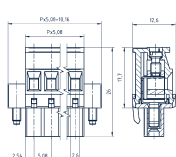

Refer to matrix on page 100-101

K4 RD  
14309.4 100

Refer to page 186.

Refer to matrix on page 100-101

# Female socket blocks, clamping yoke

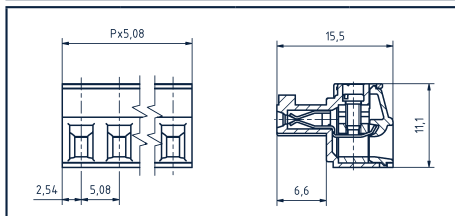
Female socket block		PKB 1110/.../5.08	PKBZ 1110/.../5.08-F				
 5.08 mm							
<b>Diagrams</b>							
<b>Connection type</b>		Clamping yoke					
<b>Dimensions</b>							
Pitch, mm		5.08					
Stripping length, mm		7.00					
Drill hole diameter, mm		7.00					
<b>Cross-section</b>							
Solid (rigid) mm <sup>2</sup>		0.20-4.00					
Finely stranded (flexible) mm <sup>2</sup>		0.20-2.50					
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-2.50					
<b>Ratings</b>		cULus 					
<b>User group</b>		<b>B</b>	<b>C</b>	<b>D</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage (V)		300	150	300	250	300	150
Rated current (A)		15	15	10	10	15	10
Overvoltage category		III				III	
Max. cross-section, AWG/mm <sup>2</sup>		22-10	22-10	22-10	0.50-2.50	28-12	28-12
Rated surge voltage, kV		1.60	1.30	1.60	4.00	1.60	1.60
Torque, Nm / Screw size		0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3	0.5 / M3
Contamination degree		3				3	
<b>Material</b>							
Insulation material / Flammability class		PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0	
Temperature range		-40 °C / +105 °C				-40 °C / +105 °C	
Clamping element		Brass				Brass	
Screw		Steel				Steel	
Flange/threaded insert		Steel				Steel	
Contact spring		Bronze				Bronze	
<b>Order information</b>		<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)			● (RAL 6018)			● (RAL 6018)	
Other colours on request.							
		2	<i>11339.1</i>	50	2	<i>14311.1</i>	50
		3	<i>11340.1</i>	50	3	<i>14312.1</i>	50
		4	<i>11341.1</i>	50	4	<i>14313.1</i>	50
		5	<i>11342.1</i>	50	5	<i>14314.1</i>	50
		6	<i>11343.1</i>	50	6	<i>14315.1</i>	50
		7	<i>11344.1</i>	50	7	<i>14316.1</i>	50
		8	<i>11345.1</i>	50	8	<i>14317.1</i>	50
		9	<i>11346.1</i>	50	9	<i>14318.1</i>	50
		10	<i>11347.1</i>	50	10	<i>14319.1</i>	50
		11	<i>11348.1</i>	50	11	<i>14320.1</i>	50
		12	<i>11349.1</i>	50	12	<i>14321.1</i>	50
		13	<i>11350.1</i>	50	13	<i>14322.1</i>	50
		14	<i>11351.1</i>	50	14	<i>14323.1</i>	50
		15	<i>11352.1</i>	50	15	<i>14324.1</i>	50
		16	<i>11353.1</i>	50	16	<i>14325.1</i>	50
					17	<i>14326.1</i>	50
					18	<i>14327.1</i>	50
					19	<i>14328.1</i>	50
					20	<i>14329.1</i>	50
					21	<i>14330.1</i>	50
					22	<i>14331.1</i>	50
					23	<i>14332.1</i>	50
					24	<i>14333.1</i>	50
<b>Accessories</b>							
<b>Coding system</b>		<b>K1 RD</b>		<b>K4 RD</b>			
Cat. no.	Qty.	<i>12002.9</i>	100	<i>14309.4</i>	100		
Labelling		Refer to page 186.		Refer to page 186.			
<b>Matching counterparts</b>		Refer to matrix on page 100-101		Refer to matrix on page 100-101			

Female socket block

PKBZ 1520/.../5.08



Diagrams



Connection type

Clamping yoke

Dimensions

Pitch, mm	5.08
Stripping length, mm	7.00
Drill hole diameter, mm	

Cross-section

Solid (rigid) mm <sup>2</sup>	0.14-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-0.50

Ratings

User group

cULus*			*
B	C	D	
300		300	250
8		8	9
			III
28-16		28-16	0.20-1.50
1.60		1.60	4.00
0.25 / M2		0.25 / M2	0.25 / M2
			3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Bronze
Flange/threaded insert	
Contact spring	Bronze

Order information

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	31872.1	200
3	31873.1	200
4	31874.1	100
5	31875.1	100
6	31876.1	50
7	31877.1	50
8	31878.1	50
9	31879.1	50
10	31880.1	50
11	31881.1	50
12	31882.1	50

Accessories


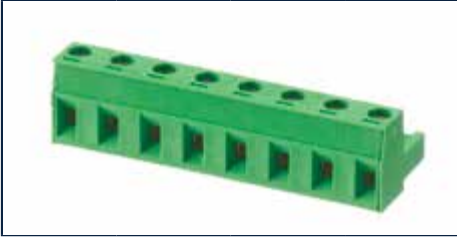
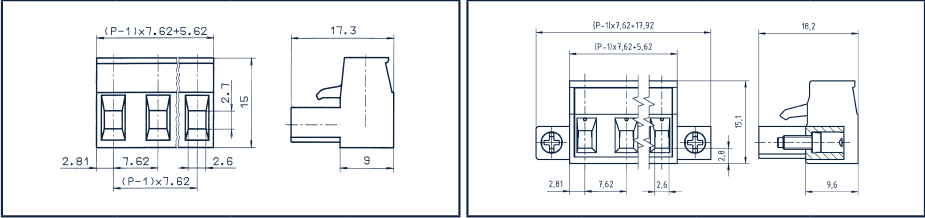
Labelling Refer to page 186.

Matching counterparts

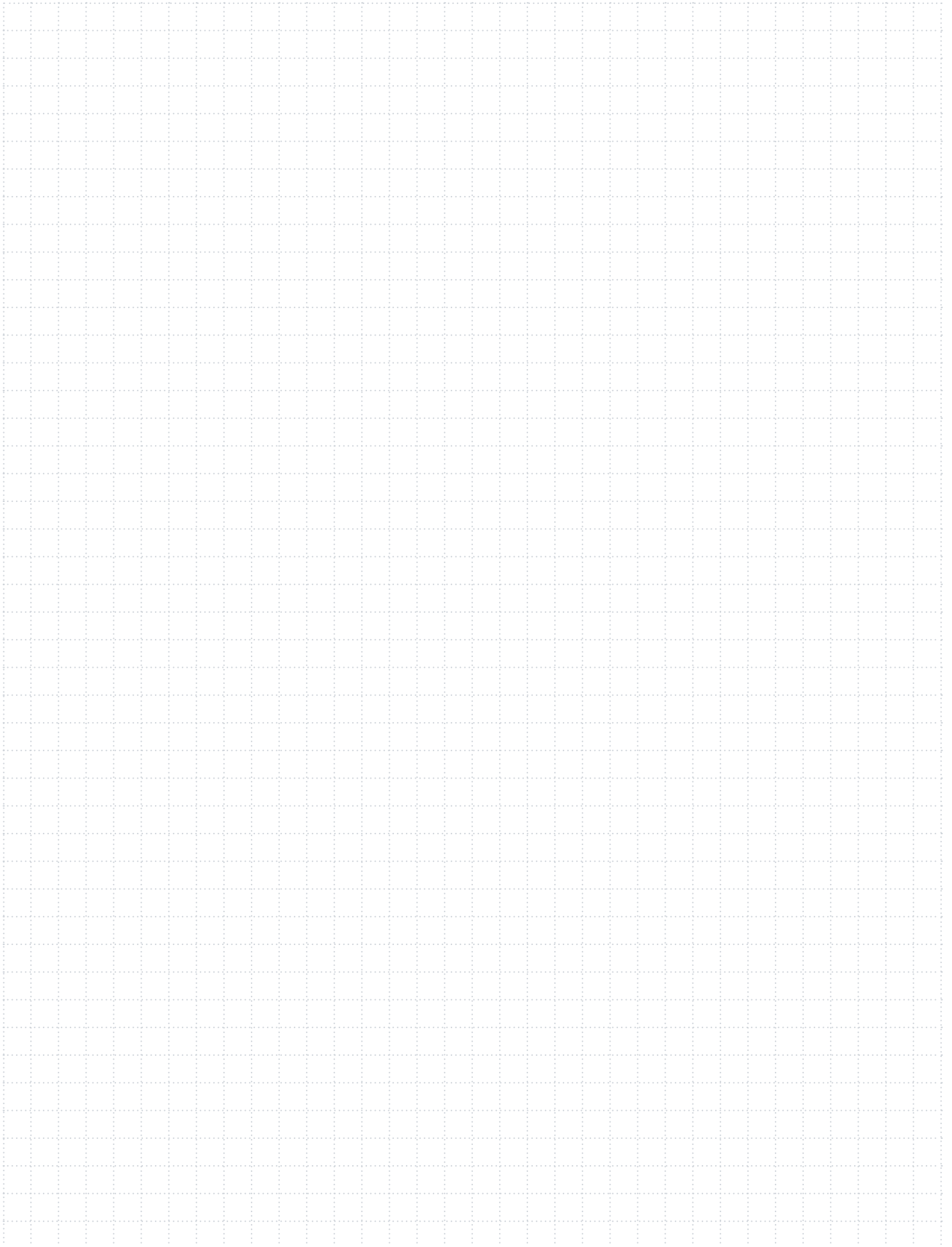
Refer to matrix on page 100-101

\* Approvals applied for



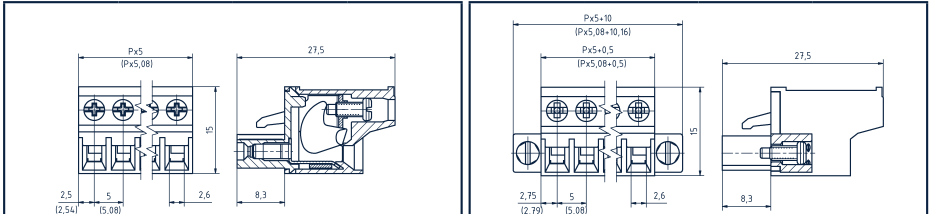

# Female socket blocks, clamping yoke

Female socket block		PKB 960/.../7.62	PKBZ 965/.../7.62-F																																																																																																
																																																																																																			
<b>Diagrams</b>																																																																																																			
<b>Connection type</b>		Clamping yoke																																																																																																	
<b>Dimensions</b>																																																																																																			
Pitch, mm		7.62																																																																																																	
Stripping length, mm		6.00																																																																																																	
Drill hole diameter, mm		7.00																																																																																																	
<b>Cross-section</b>																																																																																																			
Solid (rigid) mm <sup>2</sup>		0.20-4.00																																																																																																	
Finely stranded (flexible) mm <sup>2</sup>		0.20-2.50																																																																																																	
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-2.50																																																																																																	
<b>Ratings</b>																																																																																																			
<b>User group</b>		<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th>VDE</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>400</td> </tr> <tr> <td>15</td> <td>15</td> <td>10</td> <td></td> <td>12</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> </tbody> </table>		cULus				VDE	B	C	D			300	150	300		400	15	15	10		12					III																																																																							
cULus				VDE																																																																																															
B	C	D																																																																																																	
300	150	300		400																																																																																															
15	15	10		12																																																																																															
				III																																																																																															
Rated voltage (V)		300																																																																																																	
Rated current (A)		15																																																																																																	
Overvoltage category		III																																																																																																	
Max. cross-section, AWG/mm <sup>2</sup>		22-12																																																																																																	
Rated surge voltage, kV		1.60																																																																																																	
Torque, Nm / Screw size		0.5 / M3																																																																																																	
Contamination degree		3																																																																																																	
<b>Material</b>																																																																																																			
Insulation material / Flammability class		PA 6.6 / UL 94 V-0																																																																																																	
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Standard colour(s)		● (RAL 6018)																																																																																																	
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2	11253.1	50	2	14294.1	50																																																																																														
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8	11259.1	50	8	14300.1	50																																																																																														
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14	11265.1	50	14	14306.1	50																																																																																														
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Labelling		Refer to page 186.																																																																																																	
<b>Matching counterparts</b>		Refer to matrix on page 100-101																																																																																																	

# Notes



# Female socket blocks, eccentric

Connection terminals		PBT 1200/.../5.00	PBT 1200/.../5.00-F
			
Diagrams			
Connection type		Eccentric	
Dimensions			
Pitch, mm		5.00	
Stripping length, mm		10.00	
Drill hole diameter, mm		10.00	
Cross-section			
Solid (rigid) mm <sup>2</sup>		0.20-4.00	
Finely stranded (flexible) mm <sup>2</sup>		0.20-2.50	
Finely stranded (with wire-end ferrule) mm <sup>2</sup>		0.25-2.50	
Ratings			
User group		cULus* 	
Rated voltage (V)		B 300 C 150 D 300 250	
Rated current (A)		15 15 10 12	
Overvoltage category		III	
Max. cross-section, AWG/mm <sup>2</sup>		22-12 22-12 22-12 0.50-2.50	
Rated surge voltage, kV		1.60 1.30 1.60 4.00	
Torque, Nm / Screw size		0.5 / M2.5 0.5 / M2.5 0.5 / M2.5 0.5 / M2.5	
Contamination degree		3	
Material			
Insulation material / Flammability class		PA 6.6 / UL 94 V-0	
Temperature range		-40 °C / +105 °C	
Clamping cage / cam		Steel / Steel	
Screw		Steel	
Contact spring		Bronze	
Order information			
Standard colour(s)		● (RAL 6018)	
Other colours on request.			
		2 31422.1 50 2 31392.1 50	
		3 31423.1 50 3 31393.1 50	
		4 31424.1 50 4 31394.1 50	
		5 31425.1 50 5 31395.1 50	
		6 31426.1 50 6 31396.1 50	
		7 31427.1 50 7 31397.1 50	
		8 31428.1 50 8 31398.1 50	
		9 31429.1 50 9 31399.1 50	
		10 31430.1 50 10 31400.1 50	
		11 31431.1 50 11 31401.1 50	
		12 31432.1 50 12 31402.1 50	
		13 31433.1 50 13 31403.1 50	
		14 31434.1 50 14 31404.1 50	
		15 31435.1 50 15 31405.1 50	
		16 31436.1 50 16 31406.1 50	
		17 31437.1 50 17 31407.1 50	
		18 31438.1 50 18 31408.1 50	
		19 31439.1 50 19 31409.1 50	
		20 31440.1 50 20 31410.1 50	
		21 31441.1 50 21 31411.1 50	
		22 31442.1 50 22 31412.1 50	
		23 31443.1 50 23 31413.1 50	
		24 31444.1 50 24 31414.1 50	
Accessories			
Coding system		K4 RD	
Cat. no.		14309.4	
Qty.		100	
Labelling		Refer to page 186.	
Matching counterparts		Refer to matrix on page 100-101	

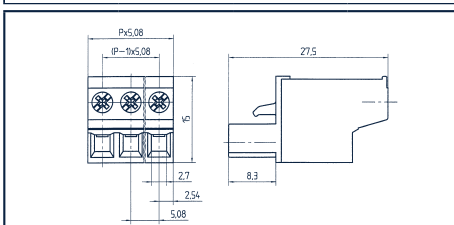
\* Approvals applied for



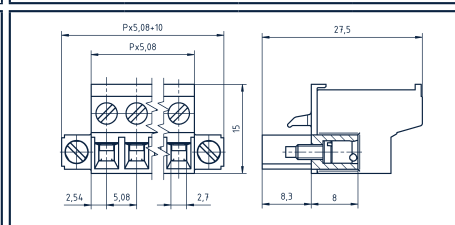
Female socket block



PBT 1200/.../5.08



PBT 1200/... /5.08-F



Diagrams

Connection type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping cage / cam  
Screw  
Contact spring

Order information

Standard colour(s)  
Other colours on request.

Eccentric

5.08  
10.00

0.20-4.00  
0.20-2.50  
0.20-2.50

cULus

B	C	D	
300	150	300	250
15	15	10	12
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.5 / M2.5	0.5 / M2.5	0.5 / M2.5	0.5 / M2.5
3			

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11354.1	50
3	11355.1	50
4	11356.1	50
5	11357.1	50
6	11358.1	50
7	11359.1	50
8	11360.1	50
9	11361.1	50
10	11362.1	50
11	11363.1	50
12	11364.1	50
13	11365.1	50
14	11366.1	50
15	11367.1	50
16	11368.1	50
17	11369.1	50
18	11370.1	50
19	11371.1	50
20	11372.1	50
21	11373.1	50
22	11374.1	50
23	11375.1	50
24	11376.1	50

Eccentric

5.08  
10.00

0.08-4.00  
0.08-2.50  
0.25-2.50

cULus\*

B	C	D	
300	150	300	250
15	15	10	12
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.5 / M2.5	0.5 / M2.5	0.5 / M2.5	0.5 / M2.5
3			

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	31362.1	50
3	31363.1	50
4	31364.1	50
5	31365.1	50
6	31366.1	50
7	31367.1	50
8	31368.1	50
9	31369.1	50
10	31370.1	50
11	31371.1	50
12	31372.1	50
13	31373.1	50
14	31374.1	50
15	31375.1	50
16	31376.1	50
17	31377.1	50
18	31378.1	50
19	31379.1	50
20	31380.1	50
21	31381.1	50
22	31382.1	50
23	31383.1	50
24	31384.1	50

Accessories

Coding system

Cat. no. Qty.

Labelling

Matching counterparts

<b>K4 RD</b>		
14309.4	Qty.	100
Refer to page 186.		
Refer to matrix on page 100-101		

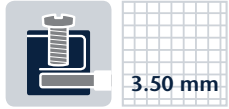
<b>K4 RD</b>		
14309.4	Qty.	100
Refer to page 186.		
Refer to matrix on page 100-101		

\* Approvals applied for

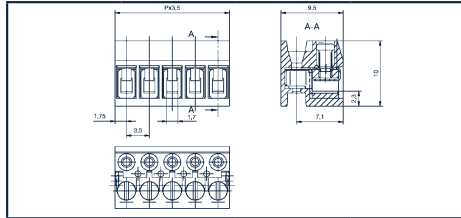
# Female socket blocks, wire protection

## Female socket block

## PKB 1350/.../3.50



### Diagrams



### Connection type

Wire protection

### Dimensions

Pitch, mm	3.50
Stripping length, mm	5.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.08-1.50
Finely stranded (flexible) mm <sup>2</sup>	0.08-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-0.50

### Ratings

User group	cULus*			VDE*
	B	C	D	
Rated voltage (V)	150			125
Rated current (A)	10			10
Oversvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	28-16			0.20-1.50
Rated surge voltage, kV	1.30			2.50
Torque, Nm / Screw size	0.25/M2			0.25/M2
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Bronze
Wire protection	Stainless steel
Contact spring	Bronze

### Order information

	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 7018)	
Other colours on request.	2	13900.4	50
	3	13901.4	50
	4	13902.4	50
	5	13903.4	50
	6	13904.4	50
	7	13905.4	50
	8	13906.4	50
	9	13907.4	50
	10	13908.4	50
	11	13909.4	50
	12	13910.4	50

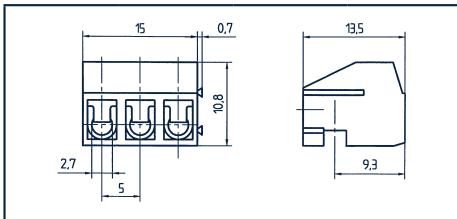
### Matching counterparts

Refer to matrix on page 100-101

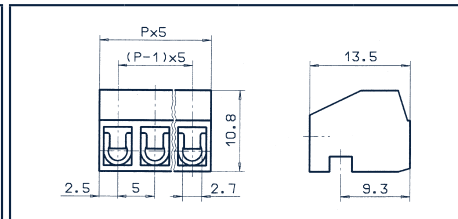
Female socket block



PKB 130/.../5.00



PKB 130/... /5.00-BL



Diagrams

Connection type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Wire protection  
Contact spring

Order information

Standard colour(s)  
Other colours on request.

Wire protection

5.00  
6.00

0.14-2.50  
0.14-1.50  
0.14-1.50

cULus

B	C	D	
300	150	300	250
8	8	8	7
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.45/M2.6	0.45/M2.6	0.45/M2.6	0.4/M2.6
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel

Copper alloy

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7016)	
2	11169.1 11169.4	50
3	11170.1 11170.4	50
4	11171.1 11171.4	50
5	11172.1 11172.4	50
6	11173.1 11173.4	50
7	11174.1 11174.4	50
8	11175.1 11175.4	50
9	11176.1 11176.4	50
10	11177.1 11177.4	50
11	11178.1 11178.4	50
12	11179.1 11179.4	50

Wire protection

5.00  
6.00

0.14-2.50  
0.14-1.50  
0.14-1.50

cULus

B	C	D	
300	150	300	250
8	8	8	7
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	4.00
0.45/M2.6	0.45/M2.6	0.45/M2.6	0.4/M2.6
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C

Brass  
Steel

Copper alloy

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7016)	
2	11185.1 11185.4	50
3	11186.1 11186.4	50
4	11187.1 11187.4	50
5	11188.1 11188.4	50
6	11189.1 11189.4	50
7	11190.1 11190.4	50
8	11191.1 11191.4	50
9	11192.1 11192.4	50
10	11193.1 11193.4	50
11	11194.1 11194.4	50
12	11195.1 11195.4	50
13	11196.1 11196.4	50
14	11197.1 11197.4	50
15	11198.1 11198.4	50
16	11199.1 11199.4	50

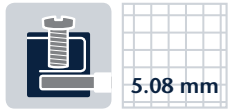
Matching counterparts

Refer to matrix on page 100-101

Refer to matrix on page 100-101

# Female socket blocks, wire protection

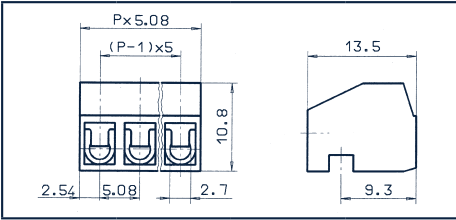
## Female socket block



## PKB 130/... /5.08-BL



### Diagrams



### Connection type

### Dimensions

Pitch, mm	5.08
Stripping length, mm	5.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50

### Ratings

#### User group

	cULus*		VDE*
	B	C	D
Rated voltage (V)	300		250
Rated current (A)	8		7
Overvoltage category			III
Max. cross-section, AWG/mm <sup>2</sup>	22-12		0.20-2.50
Rated surge voltage, kV	1.60		4.00
Torque, Nm / Screw size	0.45/M2.6	0.45/M2.6	0.4/M2.6
Contamination degree			3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Contact spring	Copper alloy

### Order information

Standard colour(s)	● (RAL 6018) ● (RAL 7016)
Other colours on request.	

### Wire protection

Pitch, mm	5.08
Stripping length, mm	5.00

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50

	cULus*		VDE*
	B	C	D
Rated voltage (V)	300		250
Rated current (A)	8		7
Overvoltage category			III
Max. cross-section, AWG/mm <sup>2</sup>	22-12		0.20-2.50
Rated surge voltage, kV	1.60		4.00
Torque, Nm / Screw size	0.45/M2.6	0.45/M2.6	0.4/M2.6
Contamination degree			3

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Contact spring	Copper alloy

No. of poles	Cat. no.		Qty.
	● (RAL 6018)	● (RAL 7016)	
2	13628.1	13628.4	50
3	13629.1	13629.4	50
4	13630.1	13630.4	50
5	13631.1	13631.4	50
6	13632.1	13632.4	50
7	13633.1	13633.4	50
8	13634.1	13634.4	50
9	13635.1	13635.4	50
10	13636.1	13636.4	50
11	13637.1	13637.4	50
12	13638.1	13638.4	50
13	13639.1	13639.4	50
14	13640.1	13640.4	50
15	13641.1	13641.4	50
16	13642.1	13642.4	50

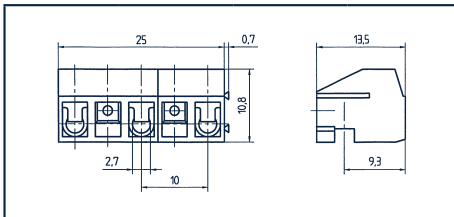
### Matching counterparts

Refer to matrix on page 100-101

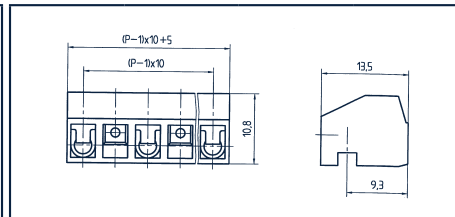
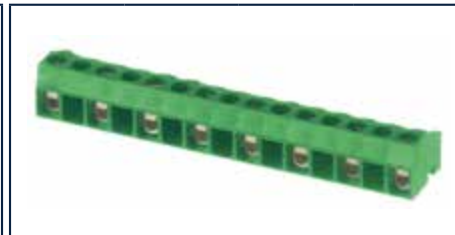
Female socket block



PKB 130/.../10.00



PKB 130/... /10.00-BL



Diagrams

Connection type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>  
Finely stranded (flexible) mm<sup>2</sup>  
Finely stranded (with wire-end ferrule) mm<sup>2</sup>

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size  
Contamination degree

Material

Insulation material / Flammability class  
Temperature range  
Clamping element  
Screw

Contact spring

Order information

Standard colour(s)  
Other colours on request.

Wire protection

10.00  
6.00

cULus

B	C	D	VDI*
300	150	300	630
8	8	8	7
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	6.00
0.45/M2.6	0.45/M2.6	0.45/M2.6	0.4/M2.6
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Copper alloy

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7016)	
2	11180.1 11180.4	50
3	11181.1 11181.4	50
4	11182.1 11182.4	50
5	11183.1 11183.4	50
6	11184.1 11184.4	50

Push-in

5.00  
6.00

cULus

B	C	D	VDI*
300	150	300	630
8	8	8	7
III			
22-12	22-12	22-12	0.50-2.50
1.60	1.30	1.60	6.00
0.45/M2.6	0.45/M2.6	0.45/M2.6	0.4/M2.6
3			

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass  
Steel  
Copper alloy

No. of poles	Cat. no.	Qty.
	● (RAL 6018) ● (RAL 7016)	
2	11200.1 11200.4	50
3	11201.1 11201.4	50
4	11202.1 11202.4	50
5	11203.1 11203.4	50
6	11204.1 11204.4	50
7	11205.1 11205.4	50
8	11206.1 11206.4	50

Matching counterparts

Refer to matrix on page 100-101

Refer to matrix on page 100-101

\* Approvals applied for

# Female socket blocks, wire protection

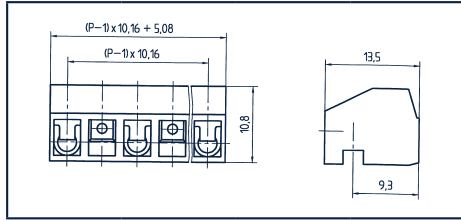
## Female socket block



## PKB 130/... /10.16-BL



### Diagrams



### Connection type

### Dimensions

Pitch, mm	10.16
Stripping length, mm	6.00
Drill hole diameter, mm	

### Cross-section

Solid (rigid) mm <sup>2</sup>	0.14-2.50
Finely stranded (flexible) mm <sup>2</sup>	0.14-1.50
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.14-1.50

### Ratings

#### User group

	B	C	D	630
Rated voltage (V)	300	150	300	630
Rated current (A)	8	8	8	7
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>	22-12	22-12	22-12	0.50-2.50
Rated surge voltage, kV	1.60	1.30	1.60	4.00
Torque, Nm / Screw size	0.45/M2.6	0.45/M2.6	0.45/M2.6	0.4/M2.6
Contamination degree				3

### Wire protection

cULus*				UL*

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Clamping element	Brass
Screw	Steel
Flange/threaded insert	
Wire protection	
Contact spring	Copper alloy

### Order information

Standard colour(s)	● (RAL 6018) ● (RAL 7016)
Other colours on request.	

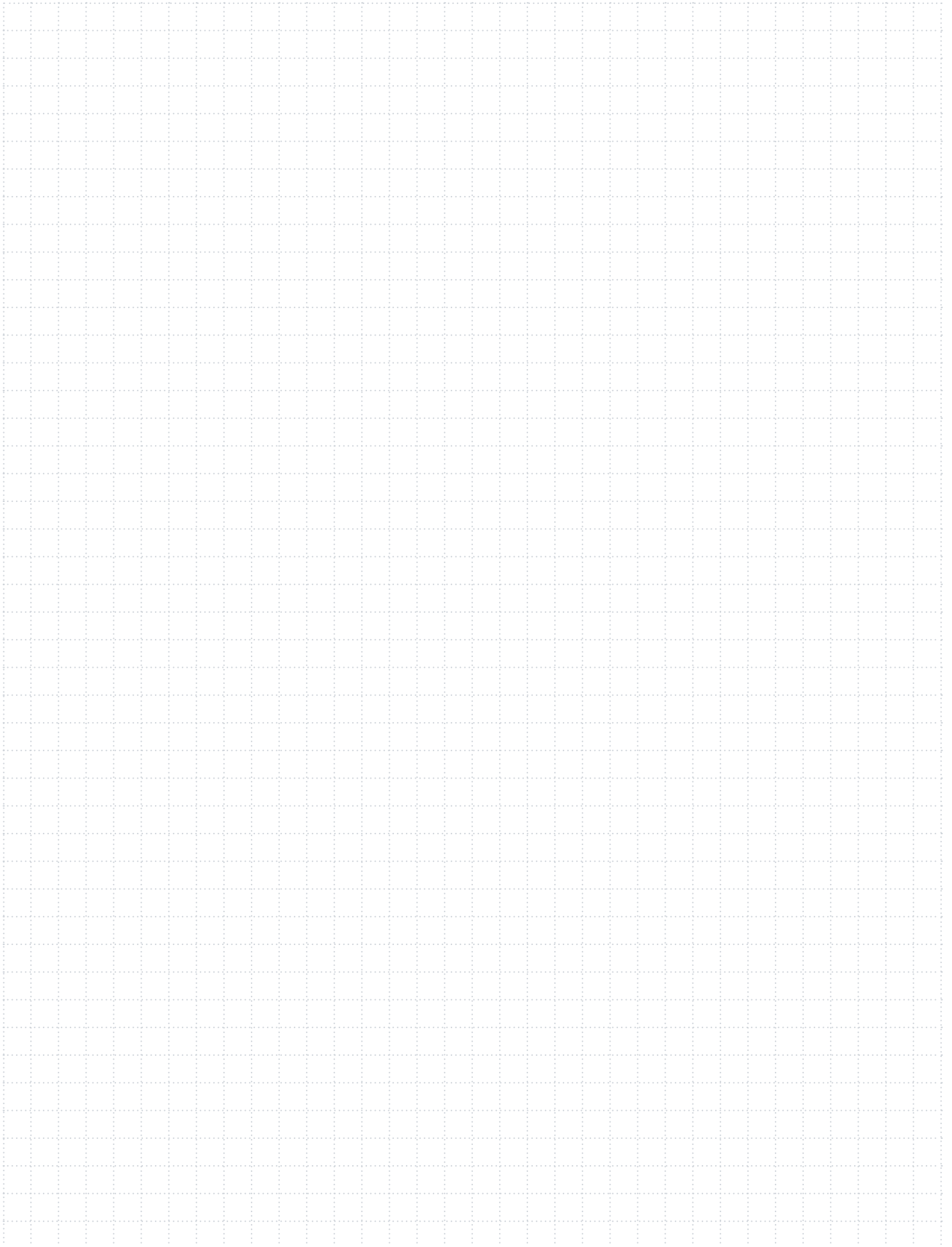
No. of poles	Cat. no.		Qty.
2	13643.1	13643.4	50
3	13644.1	13644.4	50
4	13645.1	13645.4	50
5	13646.1	13646.4	50
6	13647.1	13647.4	50
7	13648.1	13648.4	50
8	13649.1	13649.4	50

### Matching counterparts

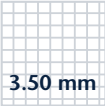


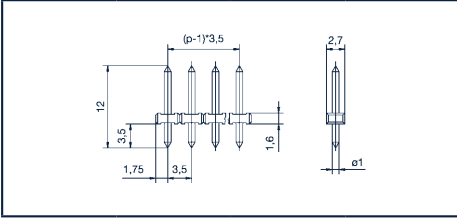
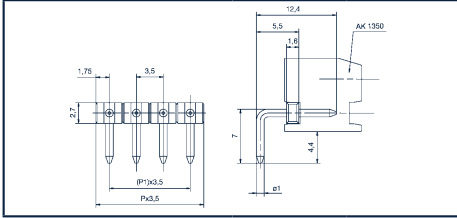
Refer to matrix on page 100-101

\* Approvals applied for

# Notes



# Male pin blocks

Male pin block	STL 1350/.../3.50-V	STL 1350/.../3.50-H																																																																																																																																																						
 <p>3.50 mm</p>																																																																																																																																																								
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Recommended wave soldering time, min / max	3/4 s	3/4 s																																																																																																																																																						
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<b>Matching counterparts</b>	Refer to matrix on page 100-101	Refer to matrix on page 100-101																																																																																																																																																						

\* Approvals applied for



Male pin block



5.00 mm

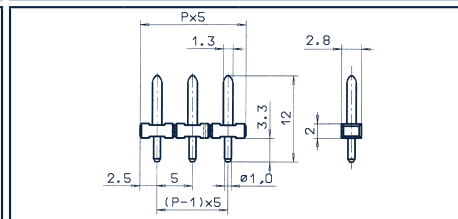
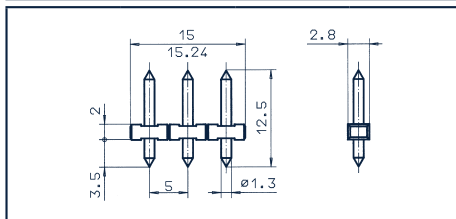
STL 130/.../5.00-V



STL 132/.../5.00-V



Diagrams



Connection type

Dimensions

Pitch, mm

5.00

5.00

Stripping length, mm

1.50

1.20

Drill hole diameter, mm

Ratings

User group

cULus*			VDE*
B	C	D	
300	150	300	250
10	10	10	7

cULus*			VDE*
B	C	D	
300		300	250
10		10	7

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 9011)	
2	11435.4	50
3	11436.4	50
4	11437.4	50
5	11438.4	50
6	11439.4	50
7	11440.4	50
8	11441.4	50
9	11442.4	50
10	11443.4	50
11	11444.4	50
12	11445.4	50
13	11446.4	50
14	11447.4	50
15	11448.4	50
16	11449.4	50
17	11450.4	50
18	11451.4	50
19	11452.4	50
20	11453.4	50
21	11454.4	50
22	11455.4	50
23	11456.4	50
24	11457.4	50

No. of poles	Cat. no.	Qty.
	● (RAL 9011)	
2	11469.4	50
3	11470.4	50
4	11471.4	50
5	11472.4	50
6	11473.4	50
7	11474.4	50
8	11475.4	50
9	11476.4	50
10	11477.4	50
11	11478.4	50
12	11479.4	50
13	11480.4	50
14	11481.4	50
15	11482.4	50
16	11483.4	50
17	11484.4	50
18	11485.4	50
19	11486.4	50
20	11487.4	50
21	11488.4	50
22	11489.4	50
23	11490.4	50
24	11491.4	50

Matching counterparts

Refer to matrix on page 100-101

Refer to matrix on page 100-101

\* Approvals applied for

# Male pin blocks

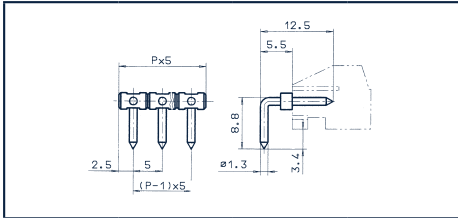
## Male pin block



## STL 140/.../5.00-H



### Diagrams



### Connection type

### Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
1.50

### Ratings

#### User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size  
Contamination degree

cULus*			VDE*
B	C	D	
300		300	250
10		10	7
			III
1.60		1.60	4.00
			3

### Material

Insulation material / Flammability class  
Temperature range  
Contact pin

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Brass

### Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min / max

260 °C  
3/4 s

### Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 9011)	
2	11492.4	50
3	11493.4	50
4	11494.4	50
5	11495.4	50
6	11496.4	50
7	11497.4	50
8	11498.4	50
9	11499.4	50
10	11500.4	50
11	11501.4	50
12	11502.4	50
13	11503.4	50
14	11504.4	50
15	11505.4	50
16	11506.4	50
17	11507.4	50
18	11508.4	50
19	11509.4	50
20	11510.4	50
21	11511.4	50
22	11512.4	50
23	11513.4	50
24	11514.4	50

### Matching counterparts

Refer to matrix on page 100-101

\* Approvals applied for

Male pin block



5.08 mm

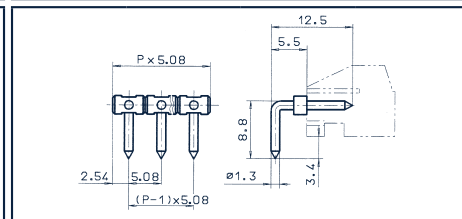
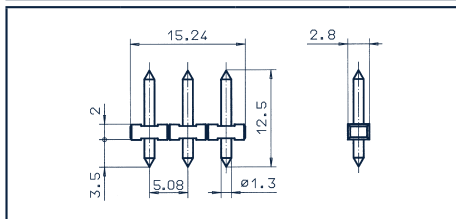
STL 130/.../5.08-V



STL 140/.../5.08-H



Diagrams



Connection type

Dimensions

Pitch, mm

5.08

Stripping length, mm

Drill hole diameter, mm

1.50

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus*				VDE*
B	C	D		
300	150	300	250	
10	10	10	7	
				III
1.60	1.30	1.60	4.00	
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Brass				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 9011)			
2	13650.4	50		
3	13651.4	50		
4	13652.4	50		
5	13653.4	50		
6	13654.4	50		
7	13655.4	50		
8	13656.4	50		
9	13657.4	50		
10	13658.4	50		
11	13659.4	50		
12	13660.4	50		
13	13661.4	50		
14	13662.4	50		
15	13663.4	50		
16	13664.4	50		
17	13665.4	50		
18	13666.4	50		
19	13667.4	50		
20	13668.4	50		
21	13669.4	50		
22	13670.4	50		
23	13671.4	50		
24	13672.4	50		

cULus*				VDE*
B	C	D		
300			250	
10		10	10	
				III
1.60		1.60	4.00	
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Brass				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 9011)			
2	13673.4	50		
3	13674.4	50		
4	13675.4	50		
5	13676.4	50		
6	13677.4	50		
7	13678.4	50		
8	13679.4	50		
9	13680.4	50		
10	13681.4	50		
11	13682.4	50		
12	13683.4	50		
13	13684.4	50		
14	13685.4	50		
15	13686.4	50		
16	13687.4	50		
17	13688.4	50		
18	13689.4	50		
19	13690.4	50		
20	13691.4	50		
21	13692.4	50		
22	13693.4	50		
23	13694.4	50		
24	13695.4	50		

Matching counterparts

Refer to matrix on page 100-101

Refer to matrix on page 100-101

\* Approvals applied for

# Male pin blocks

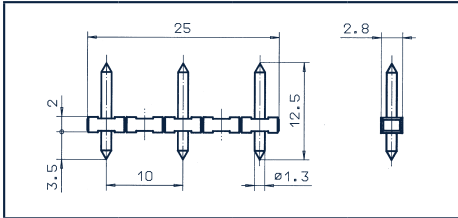
## Male pin block



## STL 130/.../10.00-V



### Diagrams



### Wire connect type

### Dimensions

Pitch, mm	10.00
Stripping length, mm	
Drill hole diameter, mm	1.50

### Ratings

User group	cULus			VDE
	B	C	D	
Rated voltage (V)	300	150	300	630
Rated current (A)	10	10	10	7
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>				
Rated surge voltage, kV	1.60	1.30	1.60	6.00
Torque, Nm / Screw size				
Contamination degree				3

### Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Contact pin	Brass

### Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min / max	3/4 s

### Order information

Standard colour(s)	No. of poles	Cat. no.	Qty.
Other colours on request.		● (RAL 9011)	
	2	11458.4	50
	3	11459.4	50
	4	11460.4	50
	5	11461.4	50
	6	11462.4	50
	7	11463.4	50
	8	11464.4	50
	9	11465.4	50
	10	11466.4	50
	11	11467.4	50
	12	11468.4	50

### Matching counterparts

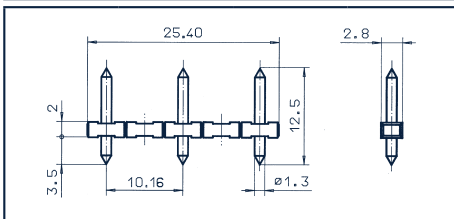
Refer to matrix on page 100-101

Male pin block

STL 130/.../10.16-V



Diagrams



Wire connect type

Dimensions

Pitch, mm	10.16
Stripping length, mm	
Drill hole diameter, mm	1.50

Ratings

User group

	cULus*			VDE*
	B	C	D	
Rated voltage (V)	300	150	300	630
Rated current (A)	10	10	10	7
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>				
Rated surge voltage, kV	1.60	1.30	1.60	6.00
Torque, Nm / Screw size				
Contamination degree				3

Material

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C
Contact pin	Brass

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min / max	3/4 s

Order information



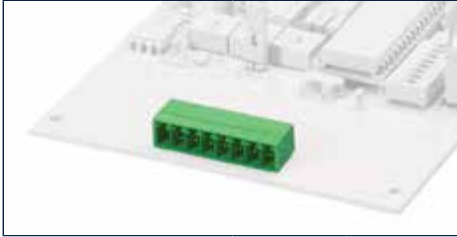
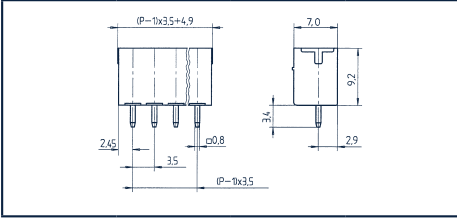
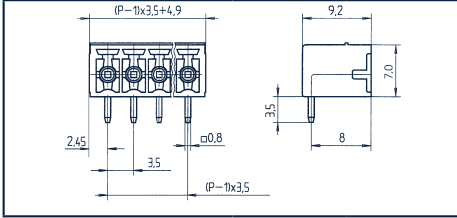
Standard colour(s)	No. of poles	Cat. no.	Qty.
Other colours on request.		● (RAL 9011)	
	2	13696.4	50
	3	13697.4	50
	4	13698.4	50
	5	13699.4	50
	6	13700.4	50
	7	13701.4	50
	8	13702.4	50
	9	13703.4	50
	10	13704.4	50
	11	13705.4	50
	12	13706.4	50

Matching counterparts

Refer to matrix on page 100-101

\* Approvals applied for

# Male pin blocks

Male pin block	STL 1550/.../3.50-V- G	STL 1550/.../3.50-H- G																																																																																																																														
 <p>3.50 mm</p>																																																																																																																																
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Pitch, mm	3.50	3.50																																																																																																																														
Stripping length, mm																																																																																																																																
Drill hole diameter, mm	1.20	1.20																																																																																																																														
<b>Ratings</b>	<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th style="text-align: center;">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td></td> <td>160</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td></td> <td>10</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>III</td> </tr> </tbody> </table>	cULus				VDE*	B	C	D			300		300		160	10		10		10					III	<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th style="text-align: center;">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td></td> <td>160</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td></td> <td>10</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>III</td> </tr> </tbody> </table>	cULus				VDE*	B	C	D			300		300		160	10		10		10					III																																																																												
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Contact pin	Copper alloy	Copper alloy																																																																																																																														
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Labelling	Refer to page 186.	Refer to page 186.																																																																																																																														
<b>Matching counterparts</b>	Refer to matrix on pages 86-87, 100-101	Refer to matrix on pages 86-87, 100-101																																																																																																																														

\* Approvals applied for

Male pin block

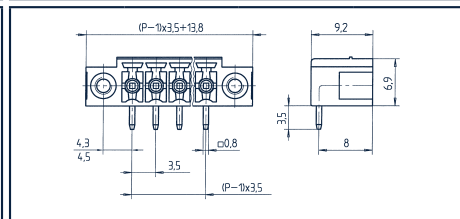
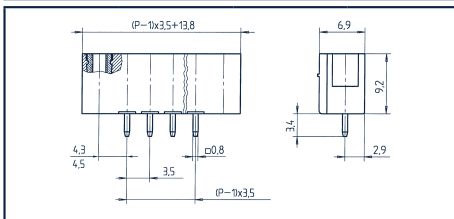


STL 1550/.../3.50-V- F

STL 1550/.../3.50-H- F



Diagrams



Wire connect type

Dimensions

Pitch, mm

3.50

3.50

Stripping length, mm

1.20

1.20

Drill hole diameter, mm

Ratings

User group

cULus*				VDE*
B	C	D		
300		300		160
10		10		10
				III
1.60		1.60		2.50
3				

cULus*				VDE*
B	C	D		
300		300		160
10		10		10
				III
1.60		1.60		2.50
3				

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Flange/threaded insert

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13753.1	50
3	13754.1	50
4	13755.1	50
5	13756.1	50
6	13757.1	50
7	13758.1	50
8	13759.1	50
9	13760.1	50
10	13761.1	50
11	13762.1	50
12	13763.1	50
13	13764.1	50
14	13765.1	50
15	13766.1	50
16	13767.1	50
17	13768.1	50
18	13769.1	50
19	13985.1	50
20	13986.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13770.1	50
3	13771.1	50
4	13772.1	50
5	13773.1	50
6	13774.1	50
7	13775.1	50
8	13776.1	50
9	13777.1	50
10	13778.1	50
11	13779.1	50
12	13780.1	50
13	13781.1	50
14	13782.1	50
15	13783.1	50
16	13784.1	50
17	13785.1	50
18	13786.1	50
19	13987.1	50
20	13988.1	50

Accessories

Coding system

Cat. no.

Qty.

K3 RD

12004.9

K3 RD

12004.9

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

BLS-STL2 GN

30499.1

Labelling

Refer to page 186.

Refer to page 186.

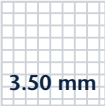


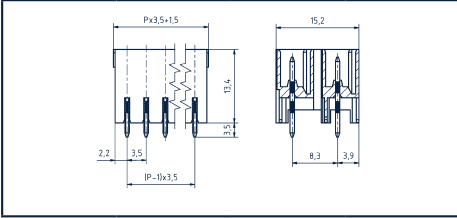
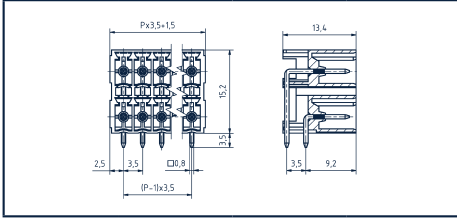
Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

\* Approvals applied for

# Male pin blocks

Male pin block	STL 1541/.. /3.50-V-G	STL 1541/.. /3.50-H-G
 <p>3.50 mm</p>		
Diagrams		
Wire connect type		
Dimensions		
Pitch, mm	3.50	3.50
Stripping length, mm		
Drill hole diameter, mm	1.20	1.20
Ratings		
User group	<b>cULus*</b>	<b>cULus*</b>
	<b>B</b> <b>C</b> <b>D</b>	<b>B</b> <b>C</b> <b>D</b>
Rated voltage (V)	300	300
Rated current (A)	10	10
Overvoltage category		
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60	1.60
Torque, Nm / Screw size		
Contamination degree		3
Material		
Insulation material / Flammability class	LCP / UL 94 V-0	LCP / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
Order information		
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	2    31892.1    50	2    31682.1    50
	3    31893.1    50	3    31683.1    50
	4    31894.1    50	4    31684.1    50
	5    31895.1    50	5    31685.1    50
	6    31896.1    50	6    31686.1    50
	7    31897.1    50	7    31687.1    50
	8    31898.1    50	8    31688.1    50
	9    31899.1    50	9    31689.1    50
	10    31900.1    50	10    31690.1    50
	11    31671.1    50	11    31691.1    50
	12    31672.1    50	12    31692.1    50
	13    31673.1    50	13    31693.1    50
	14    31674.1    50	14    31694.1    50
	15    31675.1    50	15    31695.1    50
	16    31676.1    50	16    31696.1    50
	17    31677.1    50	17    31697.1    50
	18    31678.1    50	18    31698.1    50
	19    31679.1    50	19    31699.1    50
	20    31680.1    50	20    31700.1    50
Accessories		
Dummy plug	<b>BLS-STL2 GN</b>	<b>BLS-STL2 GN</b>
Cat. no.	30499.1	30499.1
Qty.	100	100
Labelling	Refer to page 186.	Refer to page 186.
Matching counterparts	Refer to matrix on page 86-87	Refer to matrix on page 86-87

\* Approvals applied for



Male pin block



3.50 mm

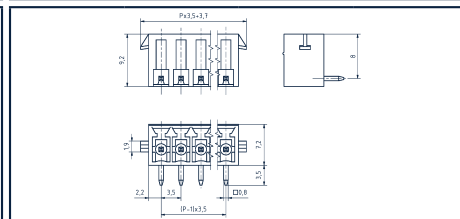
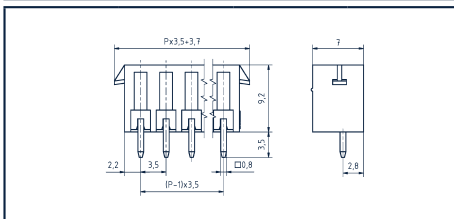
STL 1550/.. /3.50-V-FR



STL 1550/.. /3.50-H-FR



Diagrams



Wire connect type

Dimensions

Pitch, mm

3.50

Stripping length, mm

1.20

Drill hole diameter, mm

1.20

Ratings

User group

Rated voltage (V)

300

C

300

160

Rated current (A)

10

D

10

10

Overvoltage category

III

Max. cross-section, AWG/mm<sup>2</sup>

1.60

1.60

2.50

Torque, Nm / Screw size

3

Contamination degree

3

Material

Insulation material / Flammability class

LCP / UL 94 V-0

Temperature range

-40 °C / +105 °C

Contact pin

Copper alloy

Wave soldering process

Recommended wave soldering temperature

260 °C

Recommended wave soldering time, min / max

3/4 s

Order information

Standard colour(s)

No. of poles

Cat. no.

Qty.

Other colours on request.

2

● (RAL 6018)

50

3

31743.1

50

4

31744.1

50

5

31745.1

50

6

31746.1

50

7

31747.1

50

8

31748.1

50

9

31749.1

50

10

31750.1

50

11

31751.1

50

12

31752.1

50

13

31753.1

50

14

31754.1

50

15

31755.1

50

16

31756.1

50

17

31757.1

50

18

31758.1

50

19

31759.1

50

20

31760.1

50

No. of poles

Cat. no.

Qty.

2

● (RAL 6018)

50

3

31762.1

50

4

31763.1

50

5

31764.1

50

6

31765.1

50

7

31766.1

50

8

31767.1

50

9

31768.1

50

10

31769.1

50

11

31770.1

50

12

31771.1

50

13

31772.1

50

14

31773.1

50

15

31774.1

50

16

31775.1

50

17

31776.1

50

18

31777.1

50

19

31778.1

50

20

31779.1

50

20

31780.1

50

Accessories

Coding system

Cat. no.

Qty.

K3 RD

12004.9

100

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

100

Labelling

Refer to page 186.

Matching counterparts

Refer to matrix on page 86-87

K3 RD

12004.9

100

BLS-STL2 GN

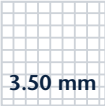


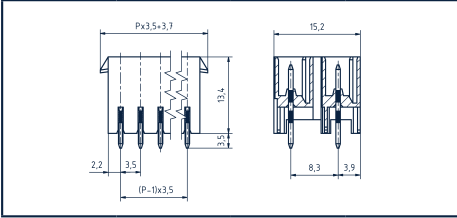
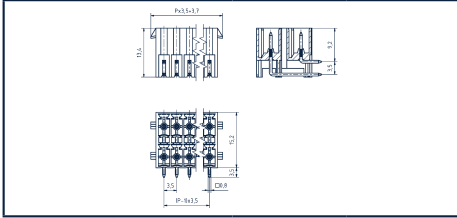
30499.1

100

Refer to page 186.

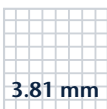
Refer to matrix on page 86-87

# Male pin blocks

Male pin block		STL 1541/.. /3.50-V-FR				STL 1541/.. /3.50-H-FR																																											
 <p>3.50 mm</p>																																																	
Diagrams																																																	
Wire connect type																																																	
Dimensions																																																	
Pitch, mm		3.50				3.50																																											
Stripping length, mm		1.20				1.20																																											
Drill hole diameter, mm																																																	
Ratings		<table border="1"> <thead> <tr> <th colspan="2">cULus*</th> <th colspan="2">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>160</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td>10</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">III</td> </tr> </tbody> </table>				cULus*		VDE*		B	C	D		300		300	160	10		10	10			III		<table border="1"> <thead> <tr> <th colspan="2">cULus*</th> <th colspan="2">VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td></td> <td>300</td> <td>160</td> </tr> <tr> <td>10</td> <td></td> <td>10</td> <td>10</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">III</td> </tr> </tbody> </table>				cULus*		VDE*		B	C	D		300		300	160	10		10	10			III	
cULus*		VDE*																																															
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User group																																																	
Rated voltage (V)																																																	
Rated current (A)																																																	
Overvoltage category																																																	
Max. cross-section, AWG/mm <sup>2</sup>																																																	
Rated surge voltage, kV		1.60		1.60		1.60		1.60																																									
Torque, Nm / Screw size																																																	
Contamination degree						3																																											
Material																																																	
Insulation material / Flammability class		LCP / UL 94 V-0				LCP / UL 94 V-0																																											
Temperature range		-40 °C / +105 °C				-40 °C / +105 °C																																											
Contact pin		Copper alloy				Copper alloy																																											
Flange/threaded insert																																																	
Wave soldering process																																																	
Recommended wave soldering temperature		260 °C				260 °C																																											
Recommended wave soldering time, min / max		3/4 s				3/4 s																																											
Order information		No. of poles		Cat. no.		Qty.		No. of poles		Cat. no.		Qty.																																					
Standard colour(s)				● (RAL 6018)						● (RAL 6018)																																							
Other colours on request.		2		31702.1		50		2		31722.1		50																																					
		3		31703.1		50		3		31723.1		50																																					
		4		31704.1		50		4		31724.1		50																																					
		5		31705.1		50		5		31725.1		50																																					
		6		31706.1		50		6		31726.1		50																																					
		7		31707.1		50		7		31727.1		50																																					
		8		31708.1		50		8		31728.1		50																																					
		9		31709.1		50		9		31729.1		50																																					
		10		31710.1		50		10		31730.1		50																																					
		11		31711.1		50		11		31731.1		50																																					
		12		31712.1		50		12		31732.1		50																																					
		13		31713.1		50		13		31733.1		50																																					
		14		31714.1		50		14		31734.1		50																																					
		15		31715.1		50		15		31735.1		50																																					
		16		31716.1		50		16		31736.1		50																																					
		17		31717.1		50		17		31737.1		50																																					
		18		31718.1		50		18		31738.1		50																																					
		19		31719.1		50		19		31739.1		50																																					
		20		31720.1		50		20		31740.1		50																																					
Accessories																																																	
Dummy plug		BLS-STL2 GN				100		BLS-STL2 GN				100																																					
Cat. no.		30499.1						30499.1																																									
Labelling		Refer to page 186.				Refer to page 186.																																											
Matching counterparts		Refer to matrix on page 86-87				Refer to matrix on page 86-87																																											

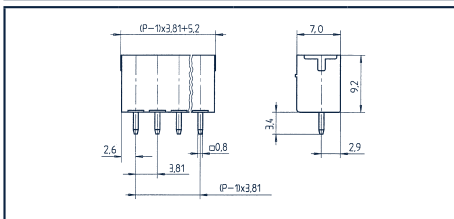
\* Approvals applied for

Male pin block

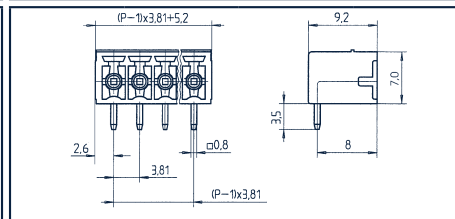


3.81 mm

STL 1550/.../3.81-V- G



STL 1550/.../3.81-H- G



Diagrams

Wire connect type

Dimensions

Pitch, mm

3.81

3.81

Stripping length, mm

1.20

1.20

Drill hole diameter, mm

Ratings

User group

Rated voltage (V)

300

C

D

160

300

300

160

Rated current (A)

10

D

10

10

10

Overvoltage category

III

III

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

1.60

2.50

1.60

2.50

Torque, Nm / Screw size

Contamination degree

3

3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

Contact pin

Copper alloy

Wave soldering process

Recommended wave soldering temperature

260 °C

Recommended wave soldering time, min / max

3/4 s

Order information

Standard colour(s)

No. of poles

Cat. no.

Qty.

Other colours on request.

2

● (RAL 6018)  
11896.1

50

3

11897.1

50

4

11898.1

50

5

11899.1

50

6

11900.1

50

7

11901.1

50

8

11902.1

50

9

11903.1

50

10

11904.1

50

11

11905.1

50

12

11906.1

50

13

11907.1

50

14

11908.1

50

15

11909.1

50

16

11910.1

50

17

13709.1

50

18

13710.1

50

19

13711.1

50

20

13712.1

50

No. of poles

Cat. no.

Qty.

2

● (RAL 6018)  
11930.1

50

3

11931.1

50

4

11932.1

50

5

11933.1

50

6

11934.1

50

7

11935.1

50

8

11936.1

50

9

11937.1

50

10

11938.1

50

11

11939.1

50

12

11940.1

50

13

11941.1

50

14

11942.1

50

15

11943.1

50

16

11944.1

50

17

13713.1

50

18

13714.1

50

19

13715.1

50

20

13716.1

50

Accessories

Coding system

Cat. no.

Qty.

K3 RD

12004.9

K3 RD

12004.9

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

BLS-STL2 GN

30499.1

Labelling

Refer to page 186.

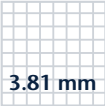


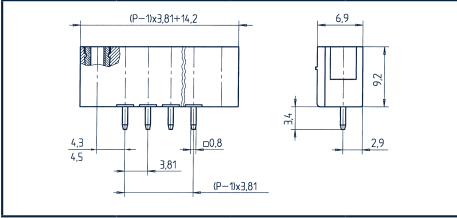
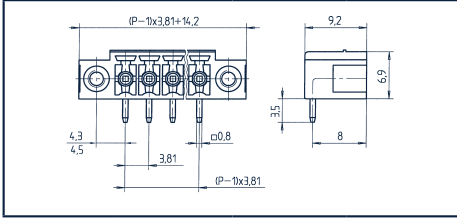
Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STL 1550/.../3.81-V- F	STL 1550/.../3.81-H- F
 <p><b>3.81 mm</b></p>		
Diagrams		
Wire connect type		
Dimensions		
Pitch, mm	3.81	3.81
Stripping length, mm		
Drill hole diameter, mm	1.20	1.20
Ratings		
User group		
Rated voltage (V)	<b>B</b> 300	<b>B</b> 300
Rated current (A)	<b>C</b> 10	<b>C</b> 10
Overvoltage category	<b>D</b> III	<b>D</b> III
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60	1.60
Torque, Nm / Screw size		
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
Flange/threaded insert	Brass	Brass
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
Order information		
Standard colour(s)	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
Other colours on request.	● (RAL 6018)	● (RAL 6018)
	2    13787.1    50	2    13806.1    50
	3    13788.1    50	3    13807.1    50
	4    13789.1    50	4    13808.1    50
	5    13790.1    50	5    13809.1    50
	6    13791.1    50	6    13810.1    50
	7    13792.1    50	7    13811.1    50
	8    13793.1    50	8    13812.1    50
	9    13794.1    50	9    13813.1    50
	10    13795.1    50	10    13814.1    50
	11    13796.1    50	11    13815.1    50
	12    13797.1    50	12    13816.1    50
	13    13798.1    50	13    13817.1    50
	14    13799.1    50	14    13818.1    50
	15    13800.1    50	15    13819.1    50
	16    13801.1    50	16    13820.1    50
	17    13802.1    50	17    13821.1    50
	18    13803.1    50	18    13822.1    50
	19    13804.1    50	19    13823.1    50
	20    13805.1    50	20    13824.1    50
Accessories		
Coding system	<b>K3 RD</b>	<b>K3 RD</b>
Cat. no.	12004.9    Qty. 100	12004.9    Qty. 100
Dummy plug	<b>BLS-STL2 GN</b>	<b>BLS-STL2 GN</b>
Cat. no.	30499.1    Qty. 100	30499.1    Qty. 100
Labelling	Refer to page 186.	Refer to page 186.
Matching counterparts	Refer to matrix on pages 86-87, 100-101	Refer to matrix on pages 86-87, 100-101

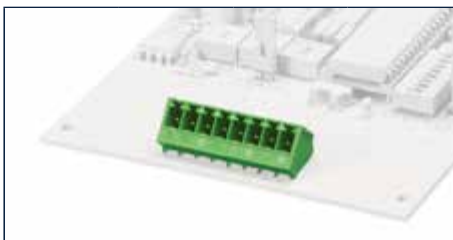
\* Approvals applied for

Male pin block

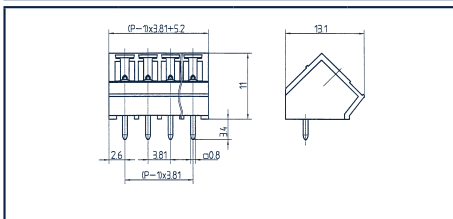
STL 1590/... /3.81-G



3.81 mm



Diagrams



Wire connect type

Dimensions

Pitch, mm	3.81
Stripping length, mm	
Drill hole diameter, mm	1.20

Ratings

User group

	cULus*			VDE*
	B	C	D	
Rated voltage (V)	300		300	160
Rated current (A)	10		10	10
Overvoltage category				III
Max. cross-section, AWG/mm <sup>2</sup>				
Rated surge voltage, kV	1.60		1.60	2.50
Torque, Nm / Screw size				
Contamination degree				3

Material

Insulation material / Flammability class	PBT / UL 94 V-0
Temperature range	-40 °C / +105 °C
Contact pin	Copper alloy

Wave soldering process

Recommended wave soldering temperature	260 °C
Recommended wave soldering time, min / max	3/4 s

Order information

	No. of poles	Cat. no.	Qty.
Standard colour(s)		● (RAL 6018)	
Other colours on request.	2	11983.1	50
	3	11984.1	50
	4	11985.1	50
	5	11986.1	50
	6	11987.1	50
	7	11988.1	50
	8	11989.1	50
	9	11990.1	50
	10	11991.1	50
	11	11992.1	50
	12	11993.1	50
	13	11994.1	50
	14	11995.1	50
	15	11996.1	50
	16	11997.1	50
	17	11998.1	50
	18	11999.1	50
	19	12000.1	50
	20	12001.1	50

Accessories

Coding system

Cat. no.	Qty.	K3 RD	
		12004.9	100

Dummy plug

Cat. no.	Qty.	BLS-STL2 GN	
		30499.1	100

Labelling

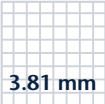


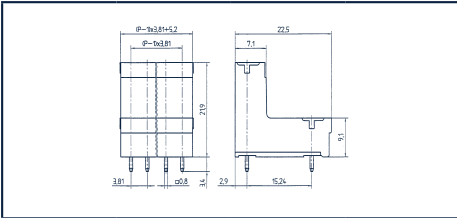
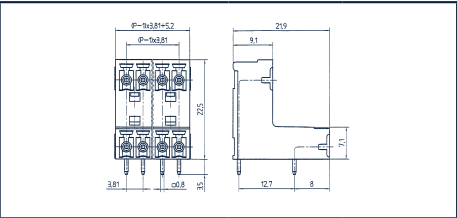
Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

\* Approvals applied for

## Male pin blocks

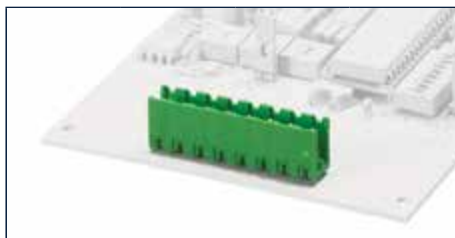
Male pin block	STL 1570/.../3.81-V- G				STL 1570/.../3.81-H- G			
 <b>3.81 mm</b>								
<b>Diagrams</b>								
<b>Wire connect type</b>								
<b>Dimensions</b>								
Pitch, mm	3.81				3.81			
Stripping length, mm	1.20				1.20			
Drill hole diameter, mm	1.20				1.20			
<b>Ratings</b>	<b>cULus</b>				<b>cULus</b>			
<b>User group</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>vDE*</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>vDE*</b>
Rated voltage (V)	300		300	160	300		300	160
Rated current (A)	10		10	10	10		10	10
Overvoltage category				III				III
Max. cross-section, AWG/mm <sup>2</sup>								
Rated surge voltage, kV	1.60		1.60	2.50	1.60		1.60	2.50
Torque, Nm / Screw size								
Contamination degree				3				3
<b>Material</b>								
Insulation material / Flammability class	PBT / UL 94 V-0				PBT / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Contact pin	Copper alloy				Copper alloy			
<b>Wave soldering process</b>								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min / max	3/4 s				3/4 s			
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>		<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>	
Standard colour(s)		● (RAL 6018)				● (RAL 6018)		
Other colours on request.	2	<i>11945.1</i>	50		2	<i>11964.1</i>	50	
	3	<i>11946.1</i>	50		3	<i>11965.1</i>	50	
	4	<i>11947.1</i>	50		4	<i>11966.1</i>	50	
	5	<i>11948.1</i>	50		5	<i>11967.1</i>	50	
	6	<i>11949.1</i>	50		6	<i>11968.1</i>	50	
	7	<i>11950.1</i>	50		7	<i>11969.1</i>	50	
	8	<i>11951.1</i>	50		8	<i>11970.1</i>	50	
	9	<i>11952.1</i>	50		9	<i>11971.1</i>	50	
	10	<i>11953.1</i>	50		10	<i>11972.1</i>	50	
	11	<i>11954.1</i>	50		11	<i>11973.1</i>	50	
	12	<i>11955.1</i>	50		12	<i>11974.1</i>	50	
	13	<i>11956.1</i>	50		13	<i>11975.1</i>	50	
	14	<i>11957.1</i>	50		14	<i>11976.1</i>	50	
	15	<i>11958.1</i>	50		15	<i>11977.1</i>	50	
	16	<i>11959.1</i>	50		16	<i>11978.1</i>	50	
	17	<i>11960.1</i>	50		17	<i>11979.1</i>	50	
	18	<i>11961.1</i>	50		18	<i>11980.1</i>	50	
	19	<i>11962.1</i>	50		19	<i>11981.1</i>	50	
	20	<i>11963.1</i>	50		20	<i>11982.1</i>	50	
<b>Accessories</b>								
<b>Coding system</b>	<b>K3 RD</b>				<b>K3 RD</b>			
Cat. no.	<b>Qty.</b>	12004.9	<b>100</b>		12004.9	<b>100</b>		
<b>Dummy plug</b>	<b>BLS-STL2 GN</b>				<b>BLS-STL2 GN</b>			
Cat. no.	<b>Qty.</b>	30499.1	<b>100</b>		30499.1	<b>100</b>		
Labelling	Refer to page 186.				Refer to page 186.			
<b>Matching counterparts</b>								
	Refer to matrix on pages 86-87, 100-101				Refer to matrix on pages 86-87, 100-101			

\* Approvals applied for

Male pin block



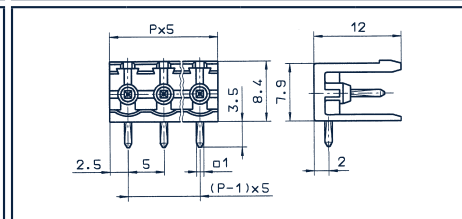
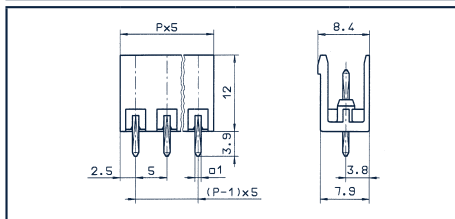
STL 950/.../5.00-V



STL 950/.../5.00-H



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.00

Stripping length, mm

Drill hole diameter, mm

1.40

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
260 °C				
3/4 s				
No. of poles	Cat. no.			Qty.
	● (RAL 6018)			
2	11515.1			50
3	11516.1			50
4	11517.1			50
5	11518.1			50
6	11519.1			50
7	11520.1			50
8	11521.1			50
9	11522.1			50
10	11523.1			50
11	11524.1			50
12	11525.1			50
13	11526.1			50
14	11527.1			50
15	11528.1			50
16	11529.1			50
17	11530.1			50
18	11531.1			50
19	11532.1			50
20	11533.1			50
21	11534.1			50
22	11535.1			50
23	11536.1			50
24	11537.1			50

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
260 °C				
3/4 s				
No. of poles	Cat. no.			Qty.
	● (RAL 6018)			
2	11561.1			50
3	11562.1			50
4	11563.1			50
5	11564.1			50
6	11565.1			50
7	11566.1			50
8	11567.1			50
9	11568.1			50
10	11569.1			50
11	11570.1			50
12	11571.1			50
13	11572.1			50
14	11573.1			50
15	11574.1			50
16	11575.1			50
17	11576.1			50
18	11577.1			50
19	11578.1			50
20	11579.1			50
21	11580.1			50
22	11581.1			50
23	11582.1			50
24	11583.1			50

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

K2 RD

12003.9

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

BLS-STL2 GN

30499.1

Labelling

Refer to page 186.




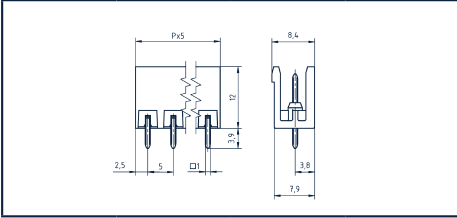
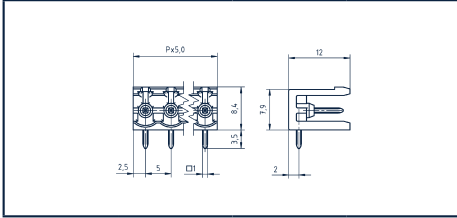
Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STL 950/.../5.0-V-HC	STL 950/.../5.0-H-HC
 <p>5.00 mm</p>		
Diagrams		
Wire connect type		
Dimensions		
Pitch, mm	5.00	5.00
Stripping length, mm		
Drill hole diameter, mm	1.40	1.40
Ratings		
User group	<b>cULus*</b>	<b>cULus*</b>
Rated voltage (V)	B 300 C 150 D 300	B 300 C 150 D 300
Rated current (A)	16 16 10	16 16 10
Overvoltage category	III	III
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60 1.30 1.60	1.60 1.30 1.60
Torque, Nm / Screw size	4.00	4.00
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
Order information		
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	No. of poles    Cat. no.    Qty.	No. of poles    Cat. no.    Qty.
	2    30502.1    50	2    30522.1    50
	3    30503.1    50	3    30523.1    50
	4    30504.1    50	4    30524.1    50
	5    30505.1    50	5    30525.1    50
	6    30506.1    50	6    30526.1    50
	7    30507.1    50	7    30527.1    50
	8    30508.1    50	8    30528.1    50
	9    30509.1    50	9    30529.1    50
	10    30510.1    50	10    30530.1    50
	11    30511.1    50	11    30531.1    50
	12    30512.1    50	12    30532.1    50
Accessories		
Coding system	K2 RD	K2 RD
Cat. no.	12003.9	12003.9
Qty.	100	100
Dummy plug	BLS-STL2 GN	BLS-STL2 GN
Cat. no.	30499.1	30499.1
Qty.	100	100
Labelling	Refer to page 186.	Refer to page 186.
Matching counterparts	Refer to matrix on page 100-101	Refer to matrix on page 100-101

\* Approvals applied for



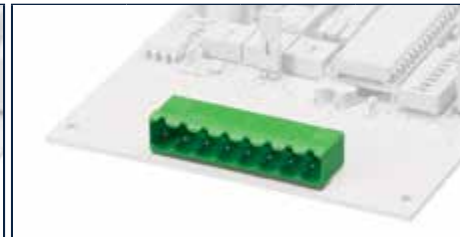
Male pin block



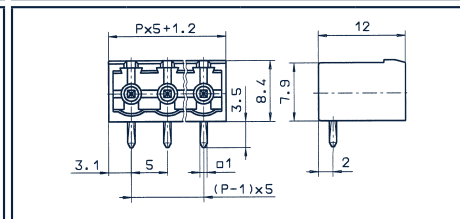
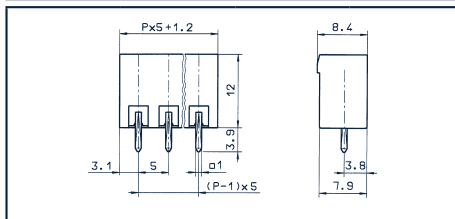
STL 950/.../5.00-V- G



STL 950/.../5.00-H- G



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.00

Stripping length, mm

Drill hole diameter, mm

1.40

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 6018)			
2	11607.1	50		
3	11608.1	50		
4	11609.1	50		
5	11610.1	50		
6	11611.1	50		
7	11612.1	50		
8	11613.1	50		
9	11614.1	50		
10	11615.1	50		
11	11616.1	50		
12	11617.1	50		
13	11618.1	50		
14	11619.1	50		
15	11620.1	50		
16	11621.1	50		
17	11622.1	50		
18	11623.1	50		
19	11624.1	50		
20	11625.1	50		
21	11626.1	50		
22	11627.1	50		
23	11628.1	50		
24	11629.1	50		

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 6018)			
2	11653.1	50		
3	11654.1	50		
4	11655.1	50		
5	11656.1	50		
6	11657.1	50		
7	11658.1	50		
8	11659.1	50		
9	11660.1	50		
10	11661.1	50		
11	11662.1	50		
12	11663.1	50		
13	11664.1	50		
14	11665.1	50		
15	11666.1	50		
16	11667.1	50		
17	11668.1	50		
18	11669.1	50		
19	11670.1	50		
20	11671.1	50		
21	11672.1	50		
22	11673.1	50		
23	11674.1	50		
24	11675.1	50		

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

K2 RD

12003.9

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

BLS-STL2 GN

30499.1

Labelling

Refer to page 186.




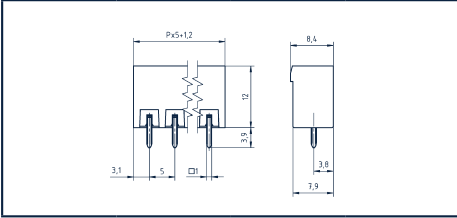
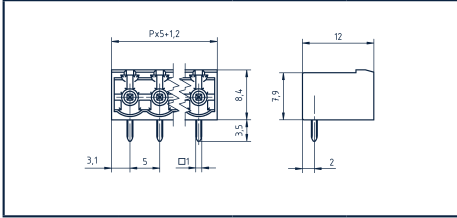
Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STL 950/.../5.00-V-G-HC	STL 950/.../5.00-H-G-HC																																																																								
 <p>5.00 mm</p>																																																																										
<b>Diagrams</b>																																																																										
<b>Wire connect type</b>																																																																										
<b>Dimensions</b>																																																																										
Pitch, mm	5.00	5.00																																																																								
Stripping length, mm																																																																										
Drill hole diameter, mm	1.40	1.40																																																																								
<b>Ratings</b>																																																																										
<b>User group</b>	<b>cULus*</b>	<b>cULus*</b>																																																																								
Rated voltage (V)	<table border="1"> <tr><th>B</th><th>C</th><th>D</th><th>VDE*</th></tr> <tr><td>300</td><td>150</td><td>300</td><td>250</td></tr> </table>	B	C	D	VDE*	300	150	300	250	<table border="1"> <tr><th>B</th><th>C</th><th>D</th><th>VDE*</th></tr> <tr><td>300</td><td>150</td><td>300</td><td>250</td></tr> </table>	B	C	D	VDE*	300	150	300	250																																																								
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300	150	300	250																																																																							
B	C	D	VDE*																																																																							
300	150	300	250																																																																							
Rated current (A)	<table border="1"> <tr><th>B</th><th>C</th><th>D</th><th>VDE*</th></tr> <tr><td>16</td><td>16</td><td>10</td><td>16</td></tr> </table>	B	C	D	VDE*	16	16	10	16	<table border="1"> <tr><th>B</th><th>C</th><th>D</th><th>VDE*</th></tr> <tr><td>16</td><td>16</td><td>10</td><td>16</td></tr> </table>	B	C	D	VDE*	16	16	10	16																																																								
B	C	D	VDE*																																																																							
16	16	10	16																																																																							
B	C	D	VDE*																																																																							
16	16	10	16																																																																							
Overvoltage category	III	III																																																																								
Max. cross-section, AWG/mm <sup>2</sup>																																																																										
Rated surge voltage, kV	1.60	1.60																																																																								
Torque, Nm / Screw size																																																																										
Contamination degree	3	3																																																																								
<b>Material</b>																																																																										
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0																																																																								
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C																																																																								
Contact pin	Copper alloy	Copper alloy																																																																								
<b>Wave soldering process</b>																																																																										
Recommended wave soldering temperature	260 °C	260 °C																																																																								
Recommended wave soldering time, min / max	3/4 s	3/4 s																																																																								
<b>Order information</b>																																																																										
Standard colour(s)	● (RAL 6018)	● (RAL 6018)																																																																								
Other colours on request.																																																																										
	<table border="1"> <tr><th>No. of poles</th><th>Cat. no.</th><th>Qty.</th></tr> <tr><td>2</td><td>30542.1</td><td>50</td></tr> <tr><td>3</td><td>30543.1</td><td>50</td></tr> <tr><td>4</td><td>30544.1</td><td>50</td></tr> <tr><td>5</td><td>30545.1</td><td>50</td></tr> <tr><td>6</td><td>30546.1</td><td>50</td></tr> <tr><td>7</td><td>30547.1</td><td>50</td></tr> <tr><td>8</td><td>30548.1</td><td>50</td></tr> <tr><td>9</td><td>30549.1</td><td>50</td></tr> <tr><td>10</td><td>30550.1</td><td>50</td></tr> <tr><td>11</td><td>30551.1</td><td>50</td></tr> <tr><td>12</td><td>30552.1</td><td>50</td></tr> </table>	No. of poles	Cat. no.	Qty.	2	30542.1	50	3	30543.1	50	4	30544.1	50	5	30545.1	50	6	30546.1	50	7	30547.1	50	8	30548.1	50	9	30549.1	50	10	30550.1	50	11	30551.1	50	12	30552.1	50	<table border="1"> <tr><th>No. of poles</th><th>Cat. no.</th><th>Qty.</th></tr> <tr><td>2</td><td>30562.1</td><td>50</td></tr> <tr><td>3</td><td>30563.1</td><td>50</td></tr> <tr><td>4</td><td>30564.1</td><td>50</td></tr> <tr><td>5</td><td>30565.1</td><td>50</td></tr> <tr><td>6</td><td>30566.1</td><td>50</td></tr> <tr><td>7</td><td>30567.1</td><td>50</td></tr> <tr><td>8</td><td>30568.1</td><td>50</td></tr> <tr><td>9</td><td>30569.1</td><td>50</td></tr> <tr><td>10</td><td>30570.1</td><td>50</td></tr> <tr><td>11</td><td>30571.1</td><td>50</td></tr> <tr><td>12</td><td>30572.1</td><td>50</td></tr> </table>	No. of poles	Cat. no.	Qty.	2	30562.1	50	3	30563.1	50	4	30564.1	50	5	30565.1	50	6	30566.1	50	7	30567.1	50	8	30568.1	50	9	30569.1	50	10	30570.1	50	11	30571.1	50	12	30572.1	50
No. of poles	Cat. no.	Qty.																																																																								
2	30542.1	50																																																																								
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4	30544.1	50																																																																								
5	30545.1	50																																																																								
6	30546.1	50																																																																								
7	30547.1	50																																																																								
8	30548.1	50																																																																								
9	30549.1	50																																																																								
10	30550.1	50																																																																								
11	30551.1	50																																																																								
12	30552.1	50																																																																								
No. of poles	Cat. no.	Qty.																																																																								
2	30562.1	50																																																																								
3	30563.1	50																																																																								
4	30564.1	50																																																																								
5	30565.1	50																																																																								
6	30566.1	50																																																																								
7	30567.1	50																																																																								
8	30568.1	50																																																																								
9	30569.1	50																																																																								
10	30570.1	50																																																																								
11	30571.1	50																																																																								
12	30572.1	50																																																																								
<b>Accessories</b>																																																																										
<b>Coding system</b>	K2 RD	K2 RD																																																																								
Cat. no.	12003.9	12003.9																																																																								
Qty.	100	100																																																																								
<b>Dummy plug</b>	BLS-STL2 GN	BLS-STL2 GN																																																																								
Cat. no.	30499.1	30499.1																																																																								
Qty.	100	100																																																																								
Labelling	Refer to page 186.	Refer to page 186.																																																																								
<b>Matching counterparts</b>	Refer to matrix on page 100-101	Refer to matrix on page 100-101																																																																								

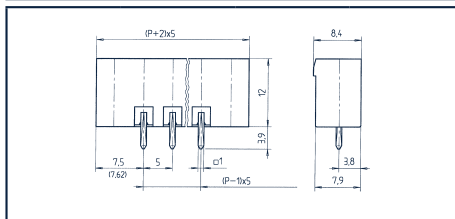
\* Approvals applied for

Male pin block

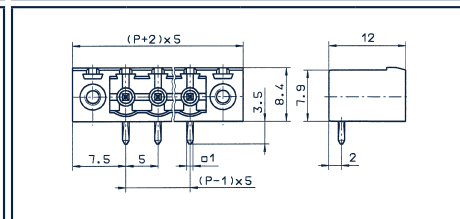


5.00 mm

STL 950/.../5.00-V- F



STL 950/.../5.00-H- F



Diagrams

Wire connect type

Dimensions

Pitch, mm

5.00

Stripping length, mm

Drill hole diameter, mm

1.40

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Flange/threaded insert

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12

				III
1.60	1.30	1.60		4.00
				3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy  
Brass

260 °C  
3/4 s

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	12201.1	50
3	12202.1	50
4	12203.1	50
5	12204.1	50
6	12205.1	50
7	12206.1	50
8	12207.1	50
9	12208.1	50
10	12209.1	50
11	13240.1	50
12	13241.1	50
13	13242.1	50
14	13243.1	50
15	13244.1	50
16	13245.1	50
17	13246.1	50
18	13247.1	50
19	13248.1	50
20	13249.1	50
21	13250.1	50
22	13251.1	50
23	13252.1	50
24	13253.1	50

5.00

1.40

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12

				III
1.60	1.30	1.60		4.00
				3

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy  
Brass

260 °C  
3/4 s

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11781.1	50
3	11782.1	50
4	11783.1	50
5	11784.1	50
6	11785.1	50
7	11786.1	50
8	11787.1	50
9	11788.1	50
10	11789.1	50
11	13254.1	50
12	13255.1	50
13	13256.1	50
14	13257.1	50
15	13258.1	50
16	13259.1	50
17	13260.1	50
18	13261.1	50
19	13262.1	50
20	13263.1	50
21	13264.1	50
22	13265.1	50
23	13266.1	50
24	13267.1	50

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

100

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

100

Labelling

Refer to page 186.

K2 RD

12003.9

100

BLS-STL2 GN

30499.1

100

Refer to page 186.




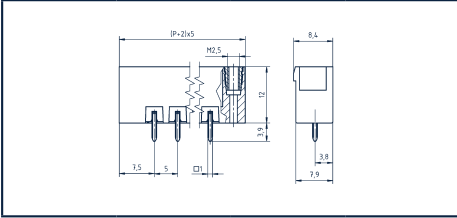
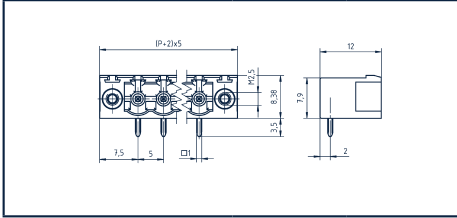
Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

\* Approvals applied for

# Male pin blocks

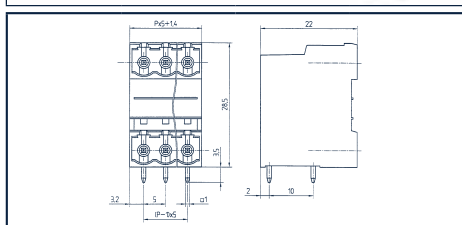
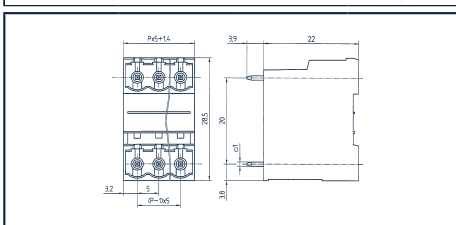
Male pin block	STL 950/.../5.00-V-F-HC	STL 950/.../5.00-H-F-HC
 <p>5.00 mm</p>		
Diagrams		
Wire connect type		
Dimensions		
Pitch, mm	5.00	5.00
Stripping length, mm		
Drill hole diameter, mm	1.40	1.40
Ratings		
User group	<b>cULus*</b>	<b>cULus*</b>
Rated voltage (V)	B 300 C 150 D 300	B 300 C 150 D 300
Rated current (A)	16 16 10	16 16 10
Overvoltage category		
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60 1.30 1.60	1.60 1.30 1.60
Torque, Nm / Screw size		
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
Flange/threaded insert	Brass	Brass
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
Order information		
Standard colour(s)	No. of poles Cat. no. Qty.	No. of poles Cat. no. Qty.
Other colours on request.	● (RAL 6018)	● (RAL 6018)
	2 30582.1 50	2 30602.1 50
	3 30583.1 50	3 30603.1 50
	4 30584.1 50	4 30604.1 50
	5 30585.1 50	5 30605.1 50
	6 30586.1 50	6 30606.1 50
	7 30587.1 50	7 30607.1 50
	8 30588.1 50	8 30608.1 50
	9 30589.1 50	9 30609.1 50
	10 30590.1 50	10 30610.1 50
	11 30591.1 50	11 30611.1 50
	12 30592.1 50	12 30612.1 50
Accessories		
Coding system	K2 RD	K2 RD
Cat. no.	12003.9 Qty. 100	12003.9 Qty. 100
Dummy plug	BLS-STL2 GN	BLS-STL2 GN
Cat. no.	30499.1 Qty. 100	30499.1 Qty. 100
Labelling	Refer to page 186.	Refer to page 186.
Matching counterparts	Refer to matrix on page 100-101	Refer to matrix on page 100-101

\* Approvals applied for

**Male pin block**      **STL 975/.../5.00-V- G**      **STL 975/.../5.00-H- G**



**Diagrams**



**Wire connect type**

**Dimensions**

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.00  
1.40

5.00  
1.40

**Ratings**

**User group**

Rated voltage (V)  
Rated current (A)

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12

Overvoltage category

III

III

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

1.60 1.30 1.60 4.00

1.60 1.30 1.60 4.00

3

3

**Material**

Insulation material / Flammability class

Temperature range

Contact pin

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy

PA 6.6 / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy

**Wave soldering process**

Recommended wave soldering temperature

Recommended wave soldering time, min / max

260 °C  
3/4 s

260 °C  
3/4 s

**Order information**

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11799.1	50
3	11800.1	50
4	11801.1	50
5	11802.1	50
6	11803.1	50
7	11804.1	50
8	11805.1	50
9	11806.1	50
10	11807.1	50
11	11808.1	50
12	11809.1	50
13	11810.1	50
14	11811.1	50
15	11812.1	50
16	11813.1	50
17	11814.1	50
18	11815.1	50
19	11816.1	50
20	11817.1	50
21	11818.1	50
22	11819.1	50
23	11820.1	50
24	11821.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11822.1	50
3	11823.1	50
4	11824.1	50
5	11825.1	50
6	11826.1	50
7	11827.1	50
8	11828.1	50
9	11829.1	50
10	11830.1	50
11	11831.1	50
12	11832.1	50
13	11833.1	50
14	11834.1	50
15	11835.1	50
16	11836.1	50
17	11837.1	50
18	11838.1	50
19	11839.1	50
20	11840.1	50
21	11841.1	50
22	11842.1	50
23	11843.1	50
24	11844.1	50

1 pole = 2 electrical connections

1 pole = 2 electrical connections

**Accessories**

**Coding system**

Cat. no. Qty.

K2 RD 12003.9 100

K2 RD 12003.9 100

**Dummy plug**

Cat. no. Qty.

BLS-STL2 GN 30499.1 100

BLS-STL2 GN 30499.1 100

Labelling

Refer to page 186.




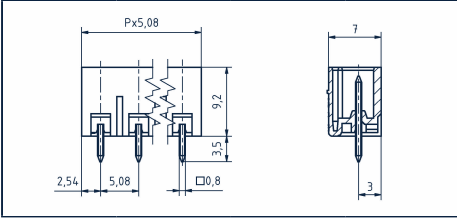
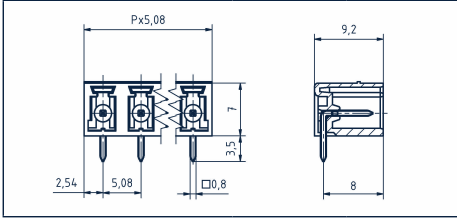
Refer to page 186.

**Matching counterparts**

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STLZ 1520/.../5.08-V-G	STLZ 1520/.../5.08-H-G
 <p><b>5.08 mm</b></p>		
<b>Diagrams</b>		
<b>Wire connect type</b>		
<b>Dimensions</b>		
Pitch, mm	5.08	5.08
Stripping length, mm		
Drill hole diameter, mm	1.20	1.20
<b>Ratings</b>		
<b>User group</b>	<b>cULus*</b>	<b>cULus*</b>
	<b>B C D</b>	<b>B C D</b>
Rated voltage (V)	300	300
Rated current (A)	8	8
Overvoltage category		III
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60	1.60
Torque, Nm / Screw size		
Contamination degree		3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
<b>Wave soldering process</b>		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
<b>Order information</b>		
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>
	2   31782.1   200	2   31802.1   200
	3   31783.1   200	3   31803.1   200
	4   31784.1   200	4   31804.1   200
	5   31785.1   100	5   31805.1   100
	6   31786.1   50	6   31806.1   50
	7   31787.1   50	7   31807.1   50
	8   31788.1   50	8   31808.1   50
	9   31789.1   50	9   31809.1   50
	10   31790.1   50	10   31810.1   50
	11   31791.1   50	11   31811.1   50
	12   31792.1   50	12   31812.1   50
<b>Accessories</b>		
<b>Coding system</b>	<b>K3 RD</b>	<b>K3 RD</b>
Cat. no.	12004.9	12004.9
Qty.	100	100
<b>Dummy plug</b>	<b>BLS-STL2 GN</b>	<b>BLS-STL2 GN</b>
Cat. no.	30499.1	30499.1
Qty.	100	100
Labelling	Refer to page 186.	Refer to page 186.
<b>Matching counterparts</b>	Refer to matrix on page 100-101	Refer to matrix on page 100-101

\* Approvals applied for

Male pin block



5.08 mm

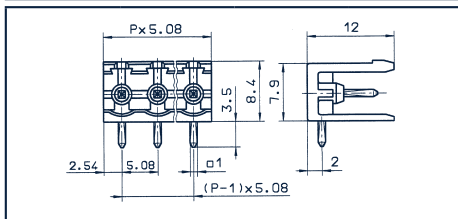
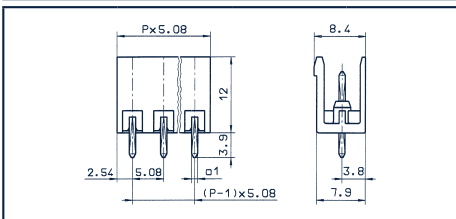
STL 950/.../5.08-V



STL 950/.../5.08-H



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.08

Stripping length, mm

1.40

Drill hole diameter, mm

1.40

Ratings

User group

cULus

B	C	D	
300	150	300	250
15	15	10	12

Rated voltage (V)

300

Rated current (A)

15

Overvoltage category

III

Max. cross-section, AWG/mm<sup>2</sup>

1.60 1.30 1.60 4.00

Rated surge voltage, kV

1.60 1.30 1.60 4.00

Torque, Nm / Screw size

3

Contamination degree

3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

Contact pin

Copper alloy

Wave soldering process

Recommended wave soldering temperature

260 °C

Recommended wave soldering time, min / max

3/4 s

Order information

Standard colour(s)

No. of poles Cat. no. Qty.

Other colours on request.

● (RAL 6018)

2	11538.1	50
3	11539.1	50
4	11540.1	50
5	11541.1	50
6	11542.1	50
7	11543.1	50
8	11544.1	50
9	11545.1	50
10	11546.1	50
11	11547.1	50
12	11548.1	50
13	11549.1	50
14	11550.1	50
15	11551.1	50
16	11552.1	50
17	11553.1	50
18	11554.1	50
19	11555.1	50
20	11556.1	50
21	11557.1	50
22	11558.1	50
23	11559.1	50
24	11560.1	50

Wire connect type

Dimensions

Pitch, mm

5.08

Stripping length, mm

1.40

Drill hole diameter, mm

1.40

Ratings

User group

cULus

B	C	D	
300	150	300	250
15	15	10	12

Rated voltage (V)

300

Rated current (A)

15

Overvoltage category

III

Max. cross-section, AWG/mm<sup>2</sup>

1.60 1.30 1.60 4.00

Rated surge voltage, kV

1.60 1.30 1.60 4.00

Torque, Nm / Screw size

3

Contamination degree

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

Contact pin

Copper alloy

Wave soldering process

Recommended wave soldering temperature

260 °C

Recommended wave soldering time, min / max

3/4 s

Order information

Standard colour(s)

No. of poles Cat. no. Qty.

● (RAL 6018)

2	11584.1	50
3	11585.1	50
4	11586.1	50
5	11587.1	50
6	11588.1	50
7	11589.1	50
8	11590.1	50
9	11591.1	50
10	11592.1	50
11	11593.1	50
12	11594.1	50
13	11595.1	50
14	11596.1	50
15	11597.1	50
16	11598.1	50
17	11599.1	50
18	11600.1	50
19	11601.1	50
20	11602.1	50
21	11603.1	50
22	11604.1	50
23	11605.1	50
24	11606.1	50

Accessories

Coding system

Cat. no. Qty.

K2 RD 12003.9 100

Dummy plug

Cat. no. Qty.

BLS-STL2 GN 30499.1 100

Labelling

Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Accessories

Coding system

Cat. no. Qty.



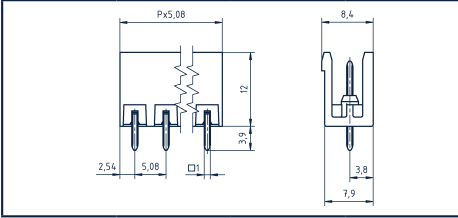
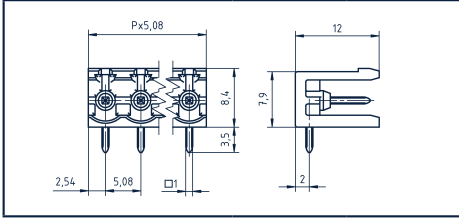
K2 RD 12003.9 100

BLS-STL2 GN 30499.1 100

Refer to page 186.

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STLZ 950/.../5.08-V-HC	STLZ 950/.../5.08-H-HC
5.08 mm		
Diagrams		
Wire connect type		
Dimensions		
Pitch, mm	5.08	5.08
Stripping length, mm		
Drill hole diameter, mm	1.40	1.40
Ratings		
User group	<b>cULus*</b>	<b>cULus*</b>
Rated voltage (V)	<b>B</b> 300 <b>C</b> 150 <b>D</b> 300	<b>B</b> 300 <b>C</b> 150 <b>D</b> 300
Rated current (A)	16 16 10	16 16 10
Overvoltage category	III	III
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60 1.30 1.60	1.60 1.30 1.60
Torque, Nm / Screw size	4.00	4.00
Contamination degree	3	3
Material		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
Wave soldering process		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
Order information		
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>
	2 30622.1 50	2 30642.1 50
	3 30623.1 50	3 30643.1 50
	4 30624.1 50	4 30644.1 50
	5 30625.1 50	5 30645.1 50
	6 30626.1 50	6 30646.1 50
	7 30627.1 50	7 30647.1 50
	8 30628.1 50	8 30648.1 50
	9 30629.1 50	9 30649.1 50
	10 30630.1 50	10 30650.1 50
	11 30631.1 50	11 30651.1 50
	12 30632.1 50	12 30652.1 50
Accessories		
Coding system	<b>K2 RD</b>	<b>K2 RD</b>
Cat. no.	12003.9	12003.9
Qty.	100	100
Dummy plug	<b>BLS-STL2 GN</b>	<b>BLS-STL2 GN</b>
Cat. no.	30499.1	30499.1
Qty.	100	100
Labelling	Refer to page 186.	Refer to page 186.
Matching counterparts		
	Refer to matrix on page 100-101	Refer to matrix on page 100-101

\* Approvals applied for



Male pin block



5.08 mm

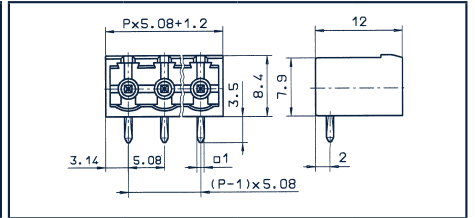
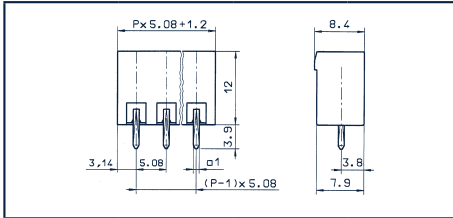
STL 950/.../5.08-V- G



STL 950/.../5.08-H- G



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.08

Stripping length, mm

1.40

Drill hole diameter, mm

1.40

Ratings

User group

Rated voltage (V)

cULus				VDE
B	C	D		
300	150	300	250	III
15	15	10	12	

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11630.1	50
3	11631.1	50
4	11632.1	50
5	11633.1	50
6	11634.1	50
7	11635.1	50
8	11636.1	50
9	11637.1	50
10	11638.1	50
11	11639.1	50
12	11640.1	50
13	11641.1	50
14	11642.1	50
15	11643.1	50
16	11644.1	50
17	11645.1	50
18	11646.1	50
19	11647.1	50
20	11648.1	50
21	11649.1	50
22	11650.1	50
23	11651.1	50
24	11652.1	50

5.08

1.40

1.40

cULus				VDE
B	C	D		
300	150	300	250	III
15	15	10	12	

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

PA 6.6 / UL 94 V-0

Temperature range

Copper alloy

260 °C

Recommended wave soldering time, min / max

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11676.1	50
3	11677.1	50
4	11678.1	50
5	11679.1	50
6	11680.1	50
7	11681.1	50
8	11682.1	50
9	11683.1	50
10	11684.1	50
11	11685.1	50
12	11686.1	50
13	11687.1	50
14	11688.1	50
15	11689.1	50
16	11690.1	50
17	11691.1	50
18	11692.1	50
19	11693.1	50
20	11694.1	50
21	11695.1	50
22	11696.1	50
23	11697.1	50
24	11698.1	50

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

100

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

100

Labelling

Refer to page 186.

K2 RD

12003.9

100

BLS-STL2 GN

30499.1

100




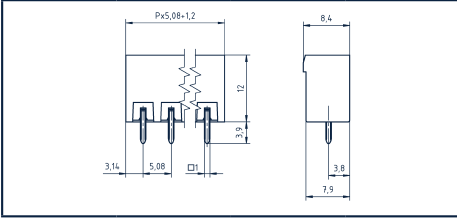
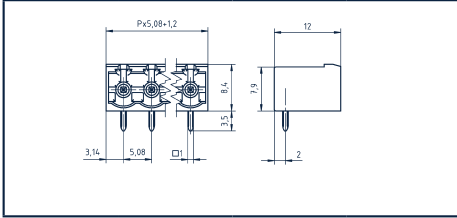


Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	STLZ 950/.../5.08-V-G-HC	STLZ 950/2/5.08-H-G-HC						
 <p>5.08 mm</p>								
Diagrams								
Wire connect type								
Dimensions								
Pitch, mm	5.08	5.08						
Stripping length, mm								
Drill hole diameter, mm	1.40	1.40						
Ratings								
User group	cULus* 				cULus* 			
Rated voltage (V)	B 300	C 150	D 300	250	B 300	C 150	D 300	250
Rated current (A)	16	16	10	16	16	16	10	16
Overvoltage category	III				III			
Max. cross-section, AWG/mm <sup>2</sup>								
Rated surge voltage, kV	1.60	1.30	1.60	4.00	1.60	1.30	1.60	4.00
Torque, Nm / Screw size								
Contamination degree	3				3			
Material								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Contact pin	Copper alloy				Copper alloy			
Wave soldering process								
Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min / max	3/4 s				3/4 s			
Order information	No. of poles	Cat. no.	Qty.		No. of poles	Cat. no.	Qty.	
Standard colour(s)		● (RAL 6018)				● (RAL 6018)		
Other colours on request.	2	30662.1	50		2	30682.1	50	
	3	30663.1	50		3	30683.1	50	
	4	30664.1	50		4	30684.1	50	
	5	30665.1	50		5	30685.1	50	
	6	30666.1	50		6	30686.1	50	
	7	30667.1	50		7	30687.1	50	
	8	30668.1	50		8	30688.1	50	
	9	30669.1	50		9	30689.1	50	
	10	30670.1	50		10	30690.1	50	
	11	30671.1	50		11	30691.1	50	
	12	30672.1	50		12	30692.1	50	
Accessories								
Coding system	K2 RD				K2 RD			
Cat. no.	12003.9	Qty.	100		12003.9	Qty.	100	
Dummy plug	BLS-STL2 GN				BLS-STL2 GN			
Cat. no.	30499.1	Qty.	100		30499.1	Qty.	100	
Labelling	Refer to page 186.				Refer to page 186.			
Matching counterparts	Refer to matrix on page 100-101				Refer to matrix on page 100-101			

\* Approvals applied for

Male pin block



5.08 mm

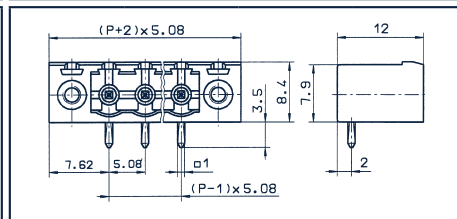
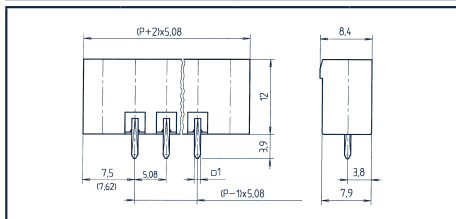
STL 950/.../5.08-V- F



STL 950/.../5.08-H- F



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.08

5.08

Stripping length, mm

1.40

1.40

Drill hole diameter, mm

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Flange/threaded insert

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
Brass				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 6018)			
2	12210.1	50		
3	12211.1	50		
4	12212.1	50		
5	12213.1	50		
6	12214.1	50		
7	12215.1	50		
8	12216.1	50		
9	12217.1	50		
10	12218.1	50		
11	13198.1	50		
12	13199.1	50		
13	13200.1	50		
14	13201.1	50		
15	13202.1	50		
16	13203.1	50		
17	13204.1	50		
18	13205.1	50		
19	13206.1	50		
20	13207.1	50		
21	13208.1	50		
22	13209.1	50		
23	13210.1	50		
24	13211.1	50		

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00
				3
PA 6.6 / UL 94 V-0				
-40 °C / +105 °C				
Copper alloy				
Brass				
260 °C				
3/4 s				
No. of poles	Cat. no.	Qty.		
	● (RAL 6018)			
2	11790.1	50		
3	11791.1	50		
4	11792.1	50		
5	11793.1	50		
6	11794.1	50		
7	11795.1	50		
8	11796.1	50		
9	11797.1	50		
10	11798.1	50		
11	13268.1	50		
12	13269.1	50		
13	13270.1	50		
14	13271.1	50		
15	13272.1	50		
16	13273.1	50		
17	13274.1	50		
18	13275.1	50		
19	13276.1	50		
20	13277.1	50		
21	13278.1	50		
22	13279.1	50		
23	13280.1	50		
24	13281.1	50		

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

K2 RD

12003.9

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

BLS-STL2 GN

30499.1

Labelling

Refer to page 186.

Refer to page 186.




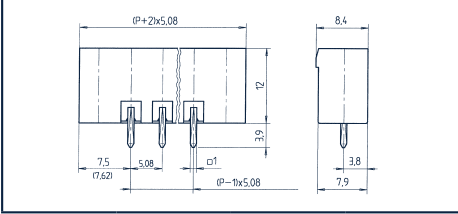
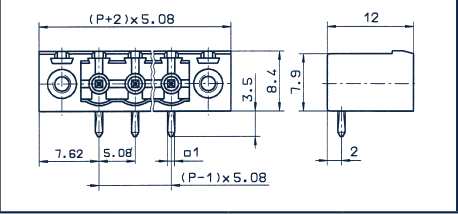
Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

\* Approvals applied for

# Male pin blocks

Male pin block		STLZ 950/.../5.08-V-F-HC				STLZ 950/.../5.08-H-F-HC																																																					
 5.08 mm																																																											
Diagrams																																																											
Wire connect type																																																											
Dimensions																																																											
Pitch, mm		5.08				5.08																																																					
Stripping length, mm		1.40				1.40																																																					
Drill hole diameter, mm																																																											
Ratings		<table border="1"> <thead> <tr> <th colspan="4">cULus*</th> <th>VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>250</td> </tr> <tr> <td>16</td> <td>16</td> <td>10</td> <td></td> <td>16</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> </tbody> </table>				cULus*				VDE*	B	C	D			300	150	300		250	16	16	10		16					III	<table border="1"> <thead> <tr> <th colspan="4">cULus*</th> <th>VDE*</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>250</td> </tr> <tr> <td>16</td> <td>16</td> <td>10</td> <td></td> <td>16</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> </tbody> </table>				cULus*				VDE*	B	C	D			300	150	300		250	16	16	10		16					III
cULus*				VDE*																																																							
B	C	D																																																									
300	150	300		250																																																							
16	16	10		16																																																							
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300	150	300		250																																																							
16	16	10		16																																																							
				III																																																							
User group																																																											
Rated voltage (V)																																																											
Rated current (A)																																																											
Overvoltage category																																																											
Max. cross-section, AWG/mm <sup>2</sup>																																																											
Rated surge voltage, kV		1.60 1.30 1.60 4.00				1.60 1.30 1.60 4.00																																																					
Torque, Nm / Screw size																																																											
Contamination degree		3				3																																																					
Material																																																											
Insulation material / Flammability class		PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0																																																					
Temperature range		-40 °C / +105 °C				-40 °C / +105 °C																																																					
Contact pin		Copper alloy				Copper alloy																																																					
Flange/threaded insert		Brass				Brass																																																					
Wave soldering process																																																											
Recommended wave soldering temperature		260 °C				260 °C																																																					
Recommended wave soldering time, min / max		3/4 s				3/4 s																																																					
Order information		No. of poles		Cat. no.		Qty.		No. of poles		Cat. no.		Qty.																																															
Standard colour(s)				● (RAL 6018)						● (RAL 6018)																																																	
Other colours on request.		2		30702.1		50		2		30722.1		50																																															
		3		30703.1		50		3		30723.1		50																																															
		4		30704.1		50		4		30724.1		50																																															
		5		30705.1		50		5		30725.1		50																																															
		6		30706.1		50		6		30726.1		50																																															
		7		30707.1		50		7		30727.1		50																																															
		8		30708.1		50		8		30728.1		50																																															
		9		30709.1		50		9		30729.1		50																																															
		10		30710.1		50		10		30730.1		50																																															
		11		30711.1		50		11		30731.1		50																																															
		12		30712.1		50		12		30732.1		50																																															
Accessories																																																											
Coding system		K2 RD				K2 RD																																																					
Cat. no.		Qty.		12003.9		100		12003.9		100																																																	
Dummy plug		BLS-STL2 GN				BLS-STL2 GN				BLS-STL2 GN																																																	
Cat. no.		Qty.		30499.1		100		30499.1		100																																																	
Labelling		Refer to page 186.				Refer to page 186.																																																					
Matching counterparts		Refer to matrix on page 100-101				Refer to matrix on page 100-101																																																					

Male pin block

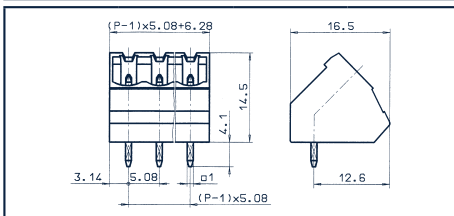
STL 990/... /5.08-G



5.08 mm



Diagrams



Wire connect type

Dimensions

Pitch, mm 5.08

Stripping length, mm

Drill hole diameter, mm

1.40

Ratings

User group

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

cULus			VDE
B	C	D	
300	150	300	250
15	15	10	10
			III
1.60	1.30	1.60	4.00
			3

PA 6.6 / UL 94 V-0

-40 °C / +105 °C

Copper alloy

260 °C

3/4 s

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11845.1	50
3	11846.1	50
4	11847.1	50
5	11848.1	50
6	11849.1	50
7	11850.1	50
8	11851.1	50
9	11852.1	50
10	11853.1	50
11	11854.1	50
12	11855.1	50
13	11856.1	50
14	11857.1	50
15	11858.1	50
16	11859.1	50
17	11860.1	50
18	11861.1	50
19	11862.1	50
20	11863.1	50
21	11864.1	50
22	11865.1	50
23	11866.1	50
24	11867.1	50

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

100

Dummy plug

Cat. no.

Qty.

BLS-STL2 GN

30499.1

100




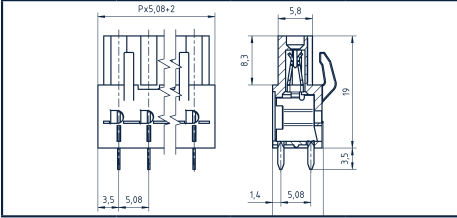
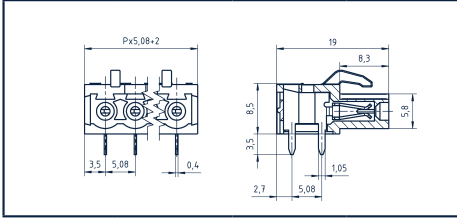


Labelling

Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block	ISTLZ 950/... /5.08-V	ISTLZ 950/... /5.08-H
 <p><b>5.08 mm</b></p>		
<b>Diagrams</b>		
<b>Wire connect type</b>		
<b>Dimensions</b>		
Pitch, mm	5.08	5.08
Stripping length, mm		
Drill hole diameter, mm	1.40	1.40
<b>Ratings</b>		
<b>User group</b>	<b>cULus</b>	<b>cULus</b>
		
<b>Rated voltage (V)</b>	<b>B</b> 300 <b>C</b> 300 <b>D</b> 250	<b>B</b> 300 <b>C</b> 300 <b>D</b> 250
<b>Rated current (A)</b>	15 10 16	15 10 16
<b>Overvoltage category</b>	III	III
<b>Max. cross-section, AWG/mm<sup>2</sup></b>		
<b>Rated surge voltage, kV</b>	1.60 1.60 4.00	1.60 1.60 4.00
<b>Torque, Nm / Screw size</b>		
<b>Contamination degree</b>	3	3
<b>Material</b>		
<b>Insulation material / Flammability class</b>	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
<b>Temperature range</b>	-40 °C / +105 °C	-40 °C / +105 °C
<b>Contact spring</b>	Bronze	Bronze
<b>Wave soldering process</b>		
<b>Recommended wave soldering temperature</b>	260 °C	260 °C
<b>Recommended wave soldering time, min / max</b>	3/4 s	3/4 s
<b>Order information</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.		
	2 14173.1 50	2 14150.1 50
	3 14174.1 50	3 14151.1 50
	4 14175.1 50	4 14152.1 50
	5 14176.1 50	5 14153.1 50
	6 14177.1 50	6 14154.1 50
	7 14178.1 50	7 14155.1 50
	8 14179.1 50	8 14156.1 50
	9 14180.1 50	9 14157.1 50
	10 14181.1 50	10 14158.1 50
	11 14182.1 50	11 14159.1 50
	12 14183.1 50	12 14160.1 50
	13 14184.1 50	13 14161.1 50
	14 14185.1 50	14 14162.1 50
	15 14186.1 50	15 14163.1 50
	16 14187.1 50	16 14164.1 50
	17 14188.1 50	17 14165.1 50
	18 14189.1 50	18 14166.1 50
	19 14190.1 50	19 14167.1 50
	20 14191.1 50	20 14168.1 50
	21 14192.1 50	21 14169.1 50
	22 14193.1 50	22 14170.1 50
	23 14194.1 50	23 14171.1 50
	24 14195.1 50	24 14172.1 50
<b>Accessories</b>		
<b>Coding system</b>	<b>K4 RD</b>	<b>K4 RD</b>
<b>Cat. no.</b> <b>Qty.</b>	14309.4 100	14309.4 100
<b>Labelling</b>	Refer to page 186.	Refer to page 186.
<b>Matching counterparts</b>	Refer to matrix on page 100-101	Refer to matrix on page 100-101

Male pin block



5.08 mm

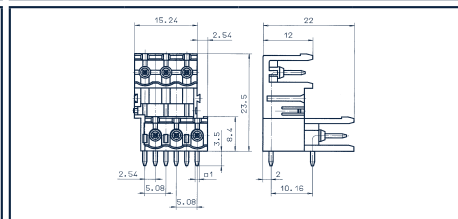
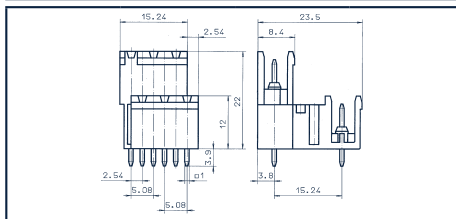
STL 970/.../5.08-V



STL 970/.../5.08-H



Diagrams



Wire connect type

Dimensions

Pitch, mm

5.08

5.08

Stripping length, mm

1.40

1.40

Drill hole diameter, mm

Ratings

User group

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12

cULus				VDE
B	C	D		
300	150	300		250
15	15	10		12

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11759.1	50
3	11760.1	50
4	11761.1	50
5	11762.1	50
6	11763.1	50
7	11764.1	50
8	11765.1	50
9	11766.1	50
10	11767.1	50
11	11768.1	50
12	11769.1	50
13	12738.1	50
14	12739.1	50
15	12740.1	50
16	12741.1	50
17	12742.1	50
18	12743.1	50
19	12744.1	50
20	12745.1	50
21	12746.1	50
22	12747.1	50
23	12748.1	50
24	12749.1	50
1 pole = 2 electrical connections		

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11770.1	50
3	11771.1	50
4	11772.1	50
5	11773.1	50
6	11774.1	50
7	11775.1	50
8	11776.1	50
9	11777.1	50
10	11778.1	50
11	11779.1	50
12	11780.1	50
13	12750.1	50
14	12751.1	50
15	12752.1	50
16	12753.1	50
17	12754.1	50
18	12755.1	50
19	12756.1	50
20	12757.1	50
21	12758.1	50
22	12759.1	50
23	12760.1	50
24	12761.1	50
1 pole = 2 electrical connections		

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

K2 RD

12003.9

100

100

Dummy plug

Cat. no.

Qty.

BLS-STL GN

13284.1

BLS-STL GN

13284.1

100

100

Labelling

Matching counterparts




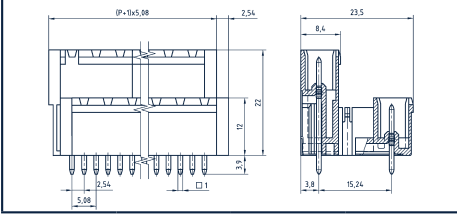
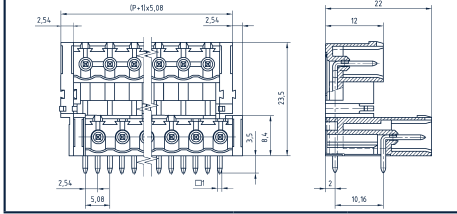
Refer to page 186.

Refer to matrix on pages 86-87, 100-101

Refer to page 186.

Refer to matrix on pages 86-87, 100-101

# Male pin blocks

Male pin block		STL 970/.../5.08-V-G				STL 970/.../5.08-H-G																																																																																	
 <p>5.08 mm</p>																																																																																							
Diagrams																																																																																							
Wire connect type																																																																																							
Dimensions																																																																																							
Pitch, mm		5.08				5.08																																																																																	
Stripping length, mm		1.40				1.40																																																																																	
Drill hole diameter, mm																																																																																							
Ratings		<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th>VDE</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>250</td> </tr> <tr> <td>15</td> <td>15</td> <td>10</td> <td></td> <td>12</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> <tr> <td>1.60</td> <td>1.30</td> <td>1.60</td> <td></td> <td>4.00</td> </tr> </tbody> </table>				cULus				VDE	B	C	D			300	150	300		250	15	15	10		12					III	1.60	1.30	1.60		4.00	<table border="1"> <thead> <tr> <th colspan="4">cULus</th> <th>VDE</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>300</td> <td>150</td> <td>300</td> <td></td> <td>250</td> </tr> <tr> <td>15</td> <td>15</td> <td>10</td> <td></td> <td>12</td> </tr> <tr> <td colspan="4"></td> <td>III</td> </tr> <tr> <td>1.60</td> <td>1.30</td> <td>1.60</td> <td></td> <td>4.00</td> </tr> </tbody> </table>				cULus				VDE	B	C	D			300	150	300		250	15	15	10		12					III	1.60	1.30	1.60		4.00																		
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Torque, Nm / Screw size																																																																																							
Contamination degree		3				3																																																																																	
Material																																																																																							
Insulation material / Flammability class		PBT / UL 94 V-0				PBT / UL 94 V-0																																																																																	
Temperature range		-40 °C / +105 °C				-40 °C / +105 °C																																																																																	
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No. of poles	Cat. no.	Qty.																																																																																					
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Standard colour(s)																																																																																							
Other colours on request.																																																																																							
Accessories																																																																																							
Coding system		K2 RD				K2 RD																																																																																	
Cat. no.		12003.9				12003.9																																																																																	
Qty.		100				100																																																																																	
Dummy plug		BLS-STL GN				BLS-STL GN																																																																																	
Cat. no.		13284.1				13284.1																																																																																	
Qty.		100				100																																																																																	
Labelling		Refer to page 186.				Refer to page 186.																																																																																	
Matching counterparts		Refer to matrix on pages 86-87, 100-101				Refer to matrix on pages 86-87, 100-101																																																																																	



Male pin block



5.08 mm

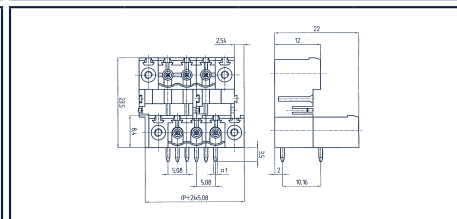
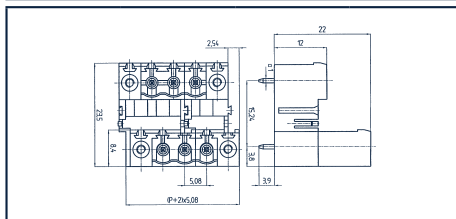
STL 970/.../5.08-V- F



STL 970/.../5.08-H- F



Diagrams



Wire connect type

Dimensions

Pitch, mm  
Stripping length, mm  
Drill hole diameter, mm

5.08  
1.40

5.08  
1.40

Ratings

User group

Rated voltage (V)  
Rated current (A)  
Overvoltage category  
Max. cross-section, AWG/mm<sup>2</sup>  
Rated surge voltage, kV  
Torque, Nm / Screw size

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00

cULus*				VDE*
B	C	D		
300	150	300		250
15	15	10		12
				III
1.60	1.30	1.60		4.00

Contamination degree

3

3

Material

Insulation material / Flammability class  
Temperature range  
Contact pin  
Flange/threaded insert

PBT / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy  
Brass

PBT / UL 94 V-0  
-40 °C / +105 °C  
Copper alloy  
Brass

Wave soldering process

Recommended wave soldering temperature  
Recommended wave soldering time, min / max

260 °C  
3/4 s

260 °C  
3/4 s

Order information

Standard colour(s)  
Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13451.1	50
3	13452.1	50
4	13453.1	50
5	13454.1	50
6	13455.1	50
7	13456.1	50
8	13457.1	50
9	13458.1	50
10	13459.1	50
11	13460.1	50
12	13461.1	50
1 pole = 2 electrical connections		

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	13462.1	50
3	13463.1	50
4	13464.1	50
5	13465.1	50
6	13466.1	50
7	13467.1	50
8	13468.1	50
9	13469.1	50
10	13470.1	50
11	13471.1	50
12	13472.1	50
1 pole = 2 electrical connections		

Accessories

Coding system

Cat. no. Qty.

K2 RD  
12003.9 100

K2 RD  
12003.9 100

Dummy plug

Cat. no. Qty.

BLS-STL GN  
13284.1 100

BLS-STL GN  
13284.1 100

Labelling

Refer to page 186.

Refer to page 186.



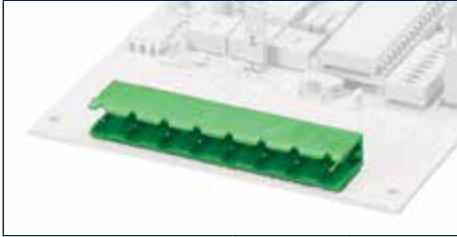
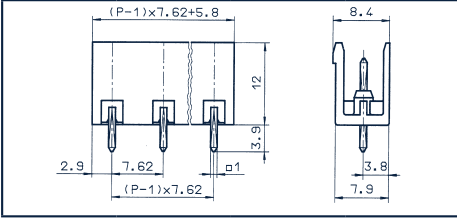
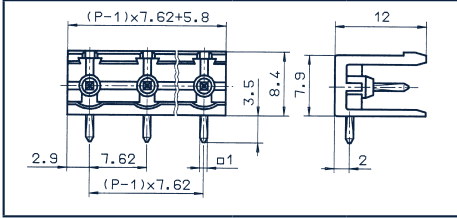
Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

\* Approvals applied for

# Male pin blocks

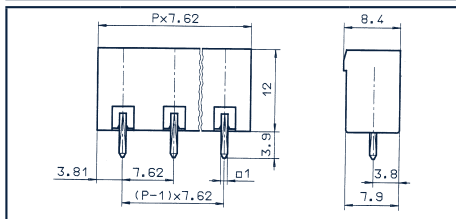
Male pin block	STL 960/.../7.62-V	STL 960/.../7.62-H
 <p>7.62 mm</p>		
<b>Diagrams</b>		
<b>Wire connect type</b>		
<b>Dimensions</b>		
Pitch, mm	7.62	7.62
Stripping length, mm		
Drill hole diameter, mm	1.40	1.40
<b>Ratings</b>		
<b>User group</b>	<b>cULus</b>	<b>cULus</b>
Rated voltage (V)	B 300 C 150 D 300 400	B 300 C 150 D 300 400
Rated current (A)	15 15 10 12	15 15 10 12
Overvoltage category	III	III
Max. cross-section, AWG/mm <sup>2</sup>		
Rated surge voltage, kV	1.60 1.30 1.60 4.00	1.60 1.30 1.60 4.00
Torque, Nm / Screw size		
Contamination degree	3	3
<b>Material</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +105 °C	-40 °C / +105 °C
Contact pin	Copper alloy	Copper alloy
<b>Wave soldering process</b>		
Recommended wave soldering temperature	260 °C	260 °C
Recommended wave soldering time, min / max	3/4 s	3/4 s
<b>Order information</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>	<b>No. of poles</b> <b>Cat. no.</b> <b>Qty.</b>
Standard colour(s)	● (RAL 6018)	● (RAL 6018)
Other colours on request.	2 11699.1 50	2 11714.1 50
	3 11700.1 50	3 11715.1 50
	4 11701.1 50	4 11716.1 50
	5 11702.1 50	5 11717.1 50
	6 11703.1 50	6 11718.1 50
	7 11704.1 50	7 11719.1 50
	8 11705.1 50	8 11720.1 50
	9 11706.1 50	9 11721.1 50
	10 11707.1 50	10 11722.1 50
	11 11708.1 50	11 11723.1 50
	12 11709.1 50	12 11724.1 50
	13 11710.1 50	13 11725.1 50
	14 11711.1 50	14 11726.1 50
	15 11712.1 50	15 11727.1 50
	16 11713.1 50	16 11728.1 50
<b>Accessories</b>		
<b>Coding system</b>	<b>K2 RD</b>	<b>K2 RD</b>
Cat. no. Qty.	12003.9 100	12003.9 100
<b>Dummy plug</b>	<b>BLS-STL GN</b>	<b>BLS-STL GN</b>
Cat. no. Qty.	13284.1 100	13284.1 100
Labelling	Refer to page 186.	Refer to page 186.
<b>Matching counterparts</b>	Refer to matrix on pages 86-87, 100-101	Refer to matrix on pages 86-87, 100-101

Male pin block

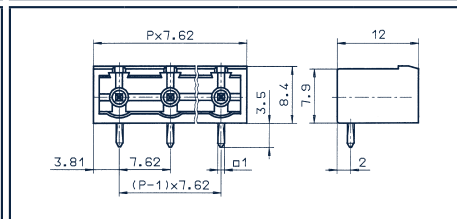


7.62 mm

STL 960/.../7.62-V- G



STL 960/.../7.62-H- G



Diagrams

Wire connect type

Dimensions

Pitch, mm

7.62

7.62

Stripping length, mm

1.40

1.40

Drill hole diameter, mm

Ratings

User group

cULus				VDE
B	C	D		
300	150	300		400
15	15	10		12

cULus				VDE
B	C	D		
300	150	300		400
15	15	10		12

Rated voltage (V)

Rated current (A)

Overvoltage category

Max. cross-section, AWG/mm<sup>2</sup>

Rated surge voltage, kV

Torque, Nm / Screw size

Contamination degree

Material

Insulation material / Flammability class

Temperature range

Contact pin

Wave soldering process

Recommended wave soldering temperature

Recommended wave soldering time, min / max

Order information

Standard colour(s)

Other colours on request.

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11729.1	50
3	11730.1	50
4	11731.1	50
5	11732.1	50
6	11733.1	50
7	11734.1	50
8	11735.1	50
9	11736.1	50
10	11737.1	50
11	11738.1	50
12	11739.1	50
13	11740.1	50
14	11741.1	50
15	11742.1	50
16	11743.1	50

No. of poles	Cat. no.	Qty.
	● (RAL 6018)	
2	11744.1	50
3	11745.1	50
4	11746.1	50
5	11747.1	50
6	11748.1	50
7	11749.1	50
8	11750.1	50
9	11751.1	50
10	11752.1	50
11	11753.1	50
12	11754.1	50
13	11755.1	50
14	11756.1	50
15	11757.1	50
16	11758.1	50

Accessories

Coding system

Cat. no.

Qty.

K2 RD

12003.9

K2 RD

12003.9

Dummy plug

Cat. no.

Qty.

BLS-STL GN

13284.1

BLS-STL GN

13284.1

Labelling

Refer to page 186.


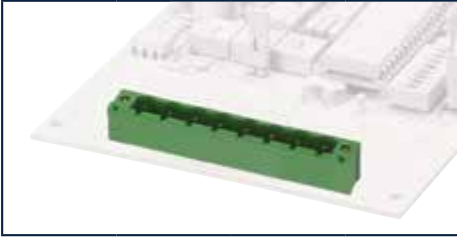

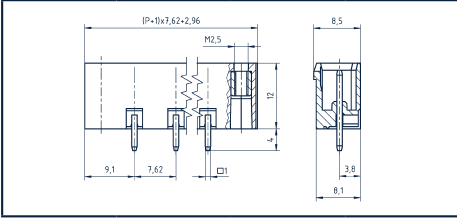
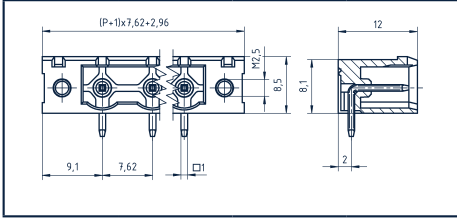
Refer to page 186.

Matching counterparts

Refer to matrix on pages 86-87, 100-101

Refer to matrix on pages 86-87, 100-101

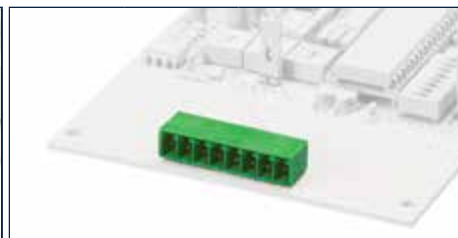
# Male pin blocks

Male pin block		STLZ 965/.../7.62 V-F			STLZ 965/.../7.62 H-F																																																																																																								
 <p>7.62 mm</p>																																																																																																													
Diagrams																																																																																																													
Wire connect type																																																																																																													
Dimensions																																																																																																													
Pitch, mm		7.62			7.62																																																																																																								
Stripping length, mm		1.40			1.40																																																																																																								
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Accessories																																																																																																													
Coding system		K2 RD			K2 RD																																																																																																								
Cat. no.		12003.9			12003.9																																																																																																								
Qty.		100			100																																																																																																								
Dummy plug		BLS-STL GN			BLS-STL GN																																																																																																								
Cat. no.		13284.1			13284.1																																																																																																								
Qty.		100			100																																																																																																								
Labelling		Refer to page 186.			Refer to page 186.																																																																																																								
Matching counterparts		Refer to matrix on page 100-101			Refer to matrix on page 100-101																																																																																																								

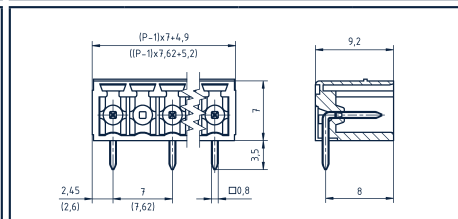
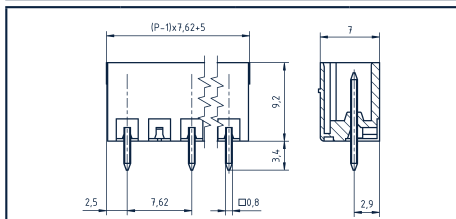
**Male pin block** **STLZ 1550/... /7.62-V-G** **STLZ 1550/... /7.62-H-G**



7.62 mm



**Diagrams**



**Wire connect type** **Dimensions**

Pitch, mm	7.62				7.62			
Stripping length, mm	1.20				1.20			
Drill hole diameter, mm	1.20				1.20			

**Ratings**

User group	cULus*				VDE*	cULus*				VDE*
	B	C	D			B	C	D		
Rated voltage (V)	300		300		500	300		300		400
Rated current (A)	8				9	8				9
Overvoltage category					III					III
Max. cross-section, AWG/mm <sup>2</sup>										
Rated surge voltage, kV	1.60		1.60		6.00	1.60		1.60		6.00
Torque, Nm / Screw size										
Contamination degree					3					

**Material**

Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Contact pin	Copper alloy				Copper alloy			

**Wave soldering process**

Recommended wave soldering temperature	260 °C				260 °C			
Recommended wave soldering time, min / max	3/4 s				3/4 s			

**Order information**

Standard colour(s)	No. of poles	Cat. no.	Qty.	No. of poles	Cat. no.	Qty.
Other colours on request.		● (RAL 6018)			● (RAL 6018)	
	2	31822.1	200	2	31832.1	200
	3	31823.1	200	3	31833.1	200
	4	31824.1	100	4	31834.1	100
	5	31825.1	50	5	31835.1	50
	6	31826.1	50	6	31836.1	50
	7	31827.1	50	7	31837.1	50
	8	31828.1	50	8	31838.1	50
	9	31829.1	50	9	31839.1	50
	10	31830.1	50	10	31840.1	50

**Accessories**




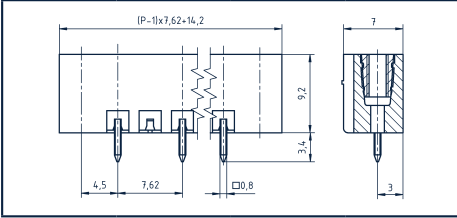
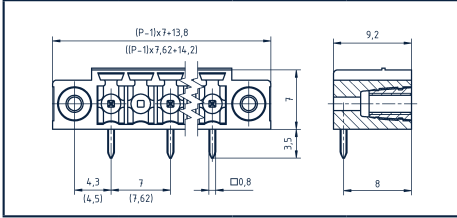


<b>Coding system</b>	<b>K3 RD</b>			<b>K3 RD</b>		
Cat. no.	12004.9	Qty.	100	12004.9	Qty.	100
<b>Dummy plug</b>	<b>BLS-STL2 GN</b>			<b>BLS-STL2 GN</b>		
Cat. no.	30499.1	Qty.	100	30499.1	Qty.	100
Labelling	Refer to page 186.			Refer to page 186.		

**Matching counterparts**

Refer to matrix on page 86-87

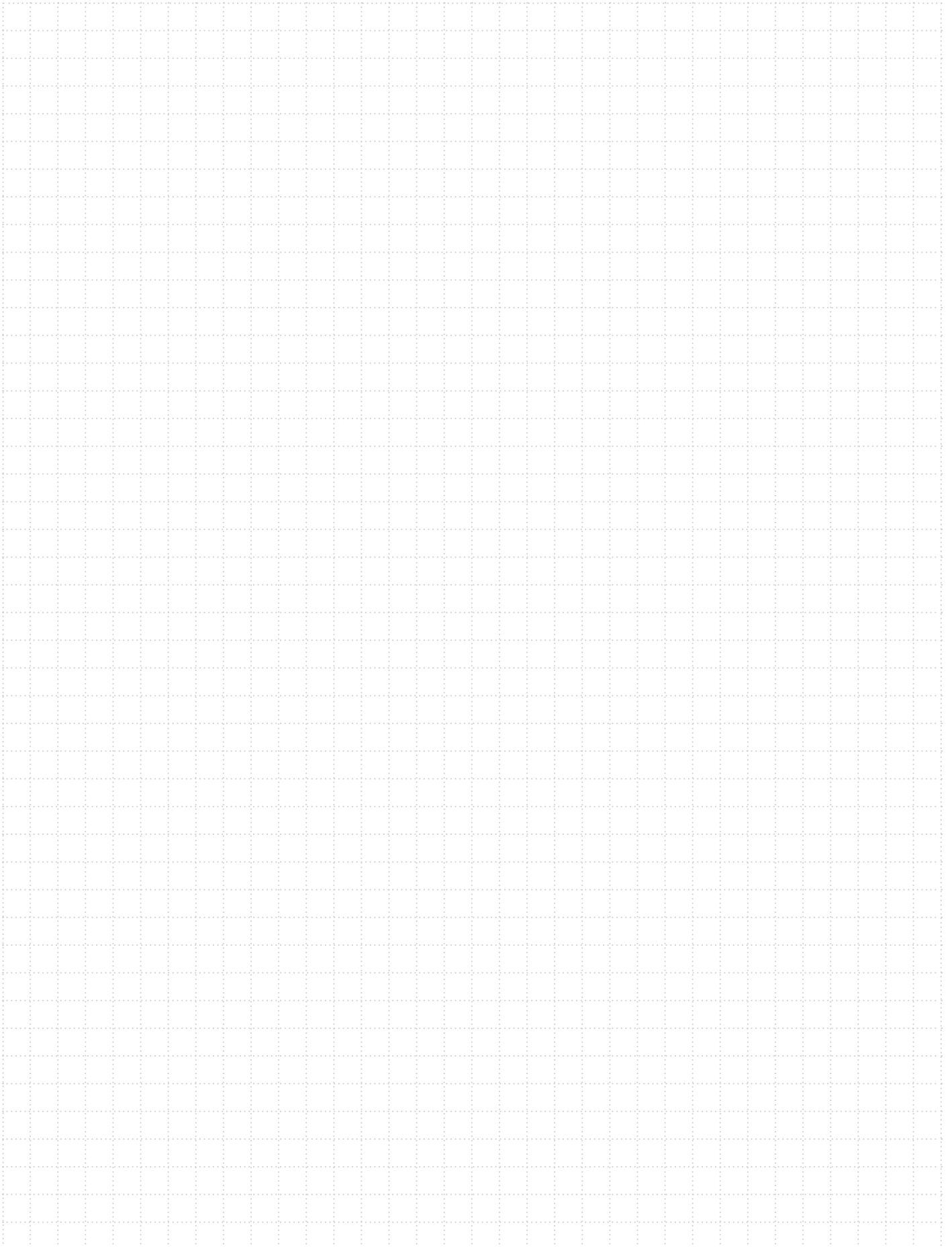
\* Approvals applied for

# Male pin blocks

Male pin block		STLZ 1550/.../7.62-V-F				STLZ 1550/... /7.62-H-F							
 <p>7.62 mm</p>													
Diagrams													
Wire connect type													
Dimensions		7.62				7.62							
Pitch, mm		7.62				7.62							
Stripping length, mm		1.20				1.20							
Drill hole diameter, mm		1.20				1.20							
Ratings		cULus* 				cULus* 							
User group		B		C		D		E					
Rated voltage (V)		300		150		300		500					
Rated current (A)		8		8		9		9					
Overvoltage category						III		III					
Max. cross-section, AWG/mm <sup>2</sup>						6.00		6.00					
Rated surge voltage, kV		1.60		1.30		1.60		1.60					
Torque, Nm / Screw size													
Contamination degree						3		3					
Material		PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0							
Insulation material / Flammability class		-40 °C / +105 °C				-40 °C / +105 °C							
Temperature range		Copper alloy				Copper alloy							
Contact pin		Brass				Brass							
Flange/threaded insert													
Wave soldering process		260 °C				260 °C							
Recommended wave soldering temperature		3/4 s				3/4 s							
Recommended wave soldering time, min / max		No. of poles		Cat. no.		Qty.		No. of poles		Cat. no.		Qty.	
Order information				● (RAL 6018)						● (RAL 6018)			
Standard colour(s)		2		31842.1		100		2		31852.1		100	
Other colours on request.		3		31843.1		100		3		31853.1		100	
		4		31844.1		50		4		31854.1		50	
		5		31845.1		50		5		31855.1		50	
		6		31846.1		50		6		31856.1		50	
		7		31847.1		50		7		31857.1		50	
		8		31848.1		50		8		31858.1		50	
		9		31849.1		50		9		31859.1		50	
		10		31850.1		50		10		31860.1		50	
Accessories		K3 RD				K3 RD							
Coding system		Cat. no.		Qty.		12004.9		100		Cat. no.		Qty.	
Dummy plug		BLS-STL2 GN		30499.1		100		BLS-STL2 GN		30499.1		100	
Labelling		Refer to page 186.				Refer to page 186.							
Matching counterparts		Refer to matrix on page 86-87				Refer to matrix on page 86-87							

\* Approvals applied for

# Notes



# Plug-in connector for DIN rail

The pluggable **PK-TS** connection system was designed to meet the increasing demands for modularity and flexibility within the fields of electrical cabinet and facility construction.

The system allows you to easily integrate separately wired switchboard panels into the complete installation. The wiring which connects the two switchboard panels is fed out of one panel with the **PK-TS** base element. The corresponding cables are placed on their counterpart in the second panel.

The **PK-TS** base element is attached to the DIN rail using mounting feet which are fitted either with a TS15/35 or TS32/35 combi-foot for mounting on a TS15, TS32 or TS35 DIN rail.

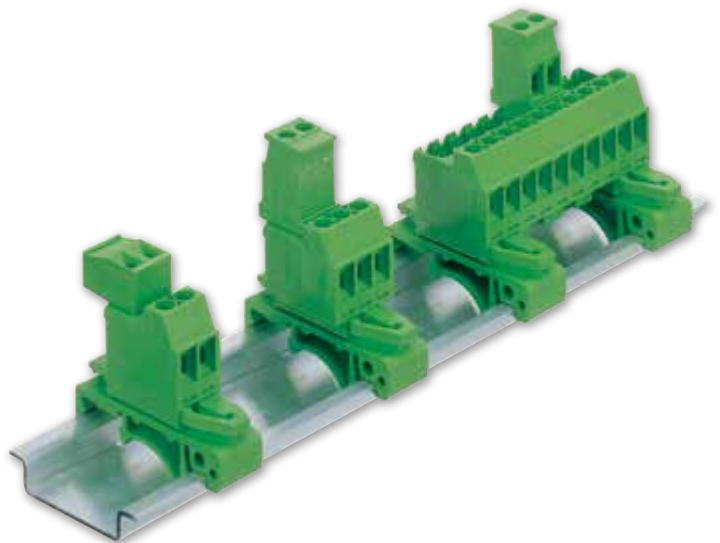
After setting up the switchgear cabinets, both panels can be connected quite easily. You decide the type of wire connection technology (push-in, clamping yoke or eccentric) by selecting the plug-in connection element.

The **PK-TS** elements are available with 2 to 24 poles and also with a screw flange. The **PK-TS** base elements with a screw flange use this flange to connect to the pluggable wire-connection component. This protects them from accidental loosening.

Wires can be connected from different directions, depending on the selection of the **PK-TS** combination and counterpart. (Refer to info at right.)

To avoid incorrect mating when using several **PK-TS** in one panel, both the **PK-TS** and its counterpart can be coded without loss of poles by using our proven CONTA-CON coding system (page 184).

You will find many labelling options starting on page 186 of this catalogue.



## Features

- Screw connection system
- Wire cross-section up to 2.5 mm<sup>2</sup>
- Material: PA 6.6 UL 94 V-0
- Up to 24 poles
- Good electrical and mechanical characteristics
- Mounting onto TS 15, TS 32 or TS 35
- With or without flange



**PK-TS combined with PKB 950**

- Wire entry **PK-TS**: Horizontal from right
- Wire entry **PKB 950**: Vertical from above



**PK-TS combined with PKB 1100**

- Wire entry **PK-TS**: Horizontal from right
- Wire entry **PKB 1100**: Horizontal from left



**PK-TS combined with PKB 1110**

- Wire entry **PK-TS**: Horizontal from right
- Wire entry **PKB 1110**: Horizontal from right




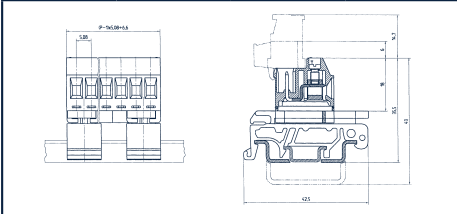
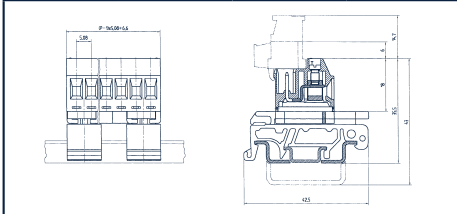


**PK-TS combined with PBT 1200**

- Wire entry **PK-TS**: Horizontal from right
- Wire entry **PBT 1200**: Vertical from above,  
Screw connection is also vertical from above.



# Pluggable connection system PK-TS

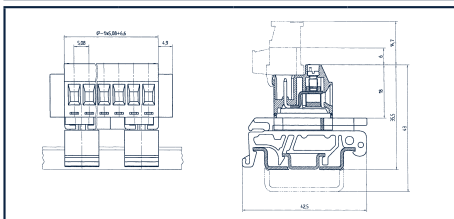
	PK-TS/... /5.08/15 TS15/TS35				PK-TS/... /5.08 TS32/TS35			
								
<b>Diagrams</b>								
								
<b>Wire connect type</b>								
<b>Dimensions</b>								
Pitch, mm	5.08				5.08			
Stripping length, mm	6.00				6.00			
Drill hole diameter, mm								
<b>Cross-section</b>								
Solid (rigid) mm <sup>2</sup>	0.20-4.00				0.20-4.00			
Finely stranded (flexible) mm <sup>2</sup>	0.20-2.50				0.20-2.50			
Finely stranded (with wire-end ferrule) mm <sup>2</sup>	0.25-2.50				0.25-2.50			
<b>Ratings</b>								
<b>User group</b>	<b>cULus*</b>				<b>cULus*</b>			
	<b>B</b>	<b>C</b>	<b>D</b>	<b>VDE*</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>VDE*</b>
Rated voltage (V)	300	150	300	250	300	150	300	250
Rated current (A)	15	15	15	12	15	15	15	12
Overvoltage category	III				III			
Max. cross-section, AWG/mm <sup>2</sup>	28-12	28-12	28-12		28-12	28-12	28-12	
Rated surge voltage, kV	1.60	1.60	1.60	4.00	1.60	1.60	1.60	4.00
Torque, Nm / Screw size	0.45 / M3	0.45 / M3	0.45 / M3	0.5/M3	0.45 / M3	0.45 / M3	0.45 / M3	0.5/M3
Contamination degree	3				3			
<b>Material</b>								
Insulation material / Flammability class	PA 6.6 / UL 94 V-0				PA 6.6 / UL 94 V-0			
Temperature range	-40 °C / +105 °C				-40 °C / +105 °C			
Clamping element	Brass				Brass			
Screw	Steel				Steel			
Contact pin	Copper alloy				Copper alloy			
<b>Order information</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>		<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>	
Standard colour(s)		● (RAL 6018)				● (RAL 6018)		
Other colours on request.	2	13175.1	50		2	12319.1	50	
	3	13176.1	50		3	12320.1	50	
	4	13177.1	50		4	12321.1	50	
	5	13178.1	50		5	12322.1	50	
	6	13179.1	50		6	12323.1	50	
	7	13180.1	50		7	12324.1	50	
	8	13181.1	50		8	12325.1	50	
	9	13182.1	50		9	12326.1	50	
	10	13183.1	50		10	12327.1	50	
	11	13184.1	25		11	12328.1	25	
	12	13185.1	25		12	12329.1	25	
	13	13186.1	25		13	12330.1	25	
	14	13187.1	25		14	12331.1	25	
	15	13188.1	25		15	12332.1	25	
	16	13189.1	25		16	12333.1	25	
	17	13190.1	25		17	12334.1	25	
	18	13191.1	25		18	12335.1	25	
	19	13192.1	25		19	12336.1	25	
	20	13193.1	25		20	12337.1	25	
	21	13194.1	25		21	12338.1	25	
	22	13195.1	25		22	12339.1	25	
	23	13196.1	25		23	12340.1	25	
	24	13197.1	20		24	12341.1	20	
<b>Accessories</b>								
<b>Coding system</b>	<b>K2 RD</b>				<b>K2 RD</b>			
Cat. no.	12003.9		<b>Qty.</b>	<b>100</b>	12003.9		<b>Qty.</b>	<b>100</b>
Labelling	Refer to page 186.				Refer to page 186.			
<b>Matching counterparts</b>	Refer to matrix on page 100-101				Refer to matrix on page 100-101			

\* Approvals applied for

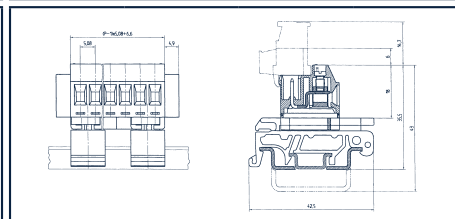


5.08 mm

PK-TS/... /5.08-F/15 TS15/TS35



PK-TS/... /5.08-F TS32/TS35



Diagrams

Wire connect type

Dimensions

Pitch, mm

5.08

5.08

Stripping length, mm

6.00

6.00

Drill hole diameter, mm

Cross-section

Solid (rigid) mm<sup>2</sup>

0.20-4.00

0.20-4.00

Finely stranded (flexible) mm<sup>2</sup>

0.20-2.50

0.20-2.50

Finely stranded (with wire-end ferrule) mm<sup>2</sup>

0.25-2.50

0.25-2.50

Ratings

User group

cULus\*

cULus\*

Rated voltage (V)

B 300 C 150 D 300 250

B 300 C 150 D 300 250

Rated current (A)

15 15 15 12

15 15 15 12

Oversoltage category

III

III

Max. cross-section, AWG/mm<sup>2</sup>

28-12 28-12 28-12

28-12 28-12 28-12

Rated surge voltage, kV

1.60 1.60 1.60 4.00

1.60 1.60 1.60 4.00

Torque, Nm / Screw size

0.45 / M3 0.45 / M3 0.45 / M3 0.5/M3

0.45 / M3 0.45 / M3 0.45 / M3 0.5/M3

Contamination degree

3

3

Material

Insulation material / Flammability class

PA 6.6 / UL 94 V-0

PA 6.6 / UL 94 V-0

Temperature range

-40 °C / +105 °C

-40 °C / +105 °C

Clamping element

Brass

Brass

Screw

Steel

Steel

Flange/threaded insert

Brass

Brass

Contact pin

Copper alloy

Copper alloy

Order information

Standard colour(s)

No. of poles Cat. no. Qty. ● (RAL 6018)

No. of poles Cat. no. Qty. ● (RAL 6018)

Other colours on request.

2	13825.1	50
3	13826.1	50
4	13827.1	50
5	13828.1	50
6	13829.1	50
7	13830.1	50
8	13831.1	50
9	13832.1	50
10	13833.1	50
11	13834.1	25
12	13835.1	25
13	13836.1	25
14	13837.1	25
15	13838.1	25
16	13839.1	25
17	13840.1	25
18	13841.1	25
19	13842.1	25
20	13843.1	25
21	13844.1	25
22	13845.1	25
23	13846.1	25
24	13847.1	20

2	13848.1	50
3	13849.1	50
4	13850.1	50
5	13851.1	50
6	13852.1	50
7	13853.1	50
8	13854.1	50
9	13855.1	50
10	13856.1	50
11	13857.1	25
12	13858.1	25
13	13859.1	25
14	13860.1	25
15	13861.1	25
16	13862.1	25
17	13863.1	25
18	13864.1	25
19	13865.1	25
20	13866.1	25
21	13867.1	25
22	13868.1	25
23	13869.1	25
24	13870.1	20

Accessories

Coding system

Cat. no.

Qty.

K2 RD 12003.9

K2 RD 12003.9

Refer to page 186.

Labelling

Matching counterparts

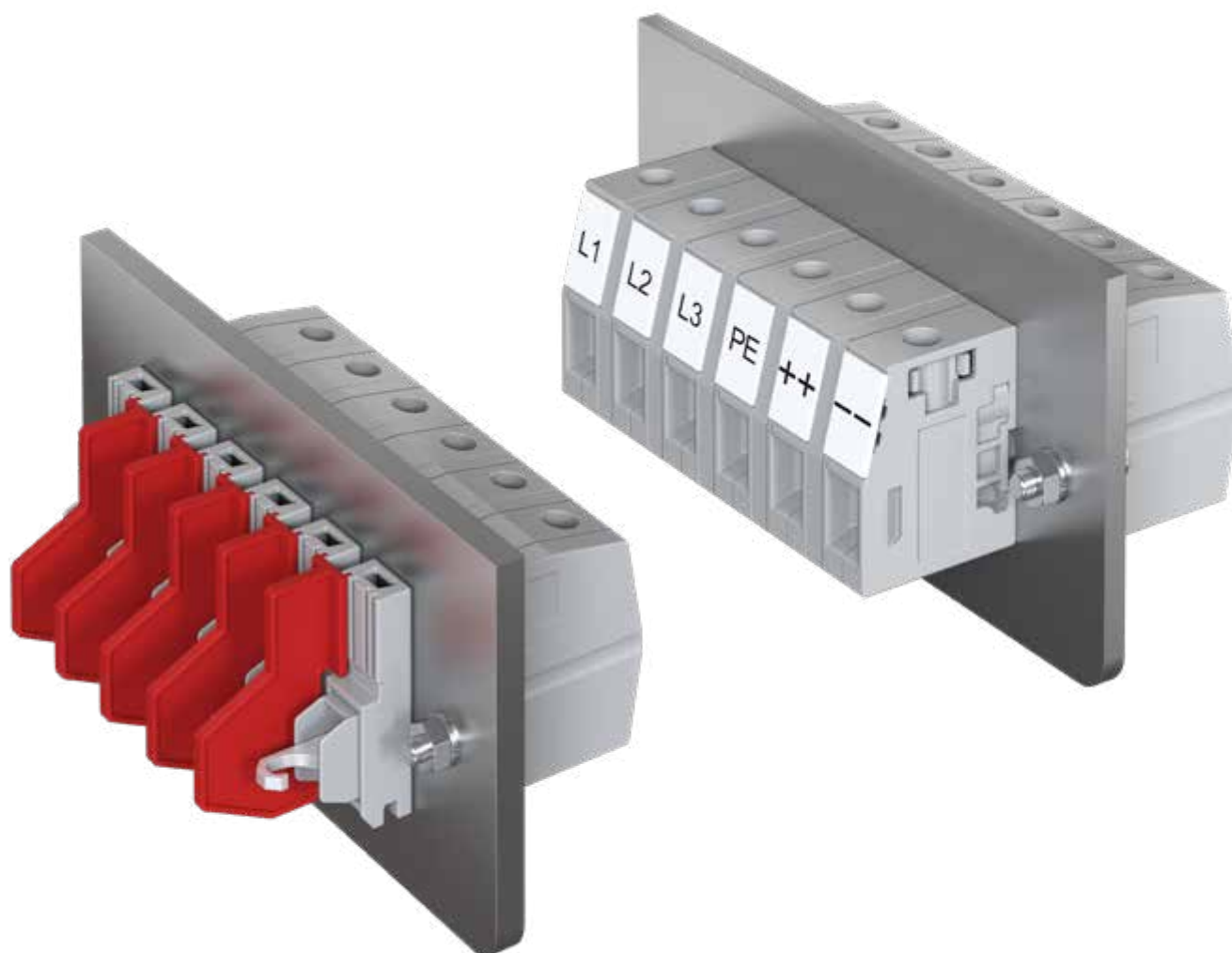
Refer to matrix on page 100-101

Refer to matrix on page 100-101

\* Approvals applied for

# Feed-through terminals SDK

CONTA-CLIP's **SDK** feed-through terminals provide a modular-based system for various device and housing applications. The option to combined coordinated system components enables various voltage levels up to 1000 V (UL 600 V) to be achieved. The insulated housing is made of polyamide 6.6 UL 94-V0. The pegs can be used to link the housings together to form multi-pole units. Optional flange plates are available for improved mechanical stability. The **PMC SB** or **PMC BSTR** tags can be used to label the feed-through terminals.



## Your advantages

- Rated voltage: 1000V IEC/600V UL
- Versatile system with the optional usage of partition, spacer and adapter plates.
- Many possibilities to safely mount in the wall.
- Also available in customer-specific colours on request
- Simple and clear markings of the device connection



## Features

- Screw-screw or screw-solder wire connection
- Wire cross-section up to 16 mm<sup>2</sup>
- Material: PA 6.6 UL 94 V-0
- Panel thickness up to 5 mm
- Simple installation

### Custom colours

This complete product range is also available in customer-specific colours on request. The feed-through terminals come in grey as a default.



### Practical marking options

The feed-through terminals feature a labelling channel that can be used to attach **PMC SB** and **PMC BSTR** tags.



### High efficiency

The encapsulation of electrical components increases the heat dissipation and improves the electrical properties. The screw-solder variant of the **SDK** feed-through terminal is designed to meet the requirements for encapsulated devices. This variant provides the optimal seal for each application.



### Secure attachment

The additional attachment options ensure maximum stability for use in applications with high mechanical stress loads.

Screw attachment is possible within the housing



### Convenient side-by-side mounting

The housing pegs can be used to easily and quickly configure customized block variants.



Riveting is possible within the housing.



### A comprehensive line of accessories

The optional use of partition, spacer and adapter plates – when using cross-sections ranging from 0.2 to 25 mm<sup>2</sup> and contamination degree 3 – enables you to achieve a rated voltage of 1000 V according to IEC or 600 V according to UL.



Housing flange (screw option) outside of the housing



# Feed-through terminals SDK

**Screw connection system** SDK ../2A without accessories

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA without any additional accessories.

Ratings IEC 60947-7-1	
Rated voltage (V), SDK 4/10/16	630
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
Ratings UL / CSA	
Rated voltage (V), SDK 4/10/16	300
Rated current (A), SDK 4/10/16	30/65/85
Use group	B, D
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6



**Screw connection system** SDK ../2A with spacer plates

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA when used with spacer plates.

Ratings IEC 60947-7-1	
Rated voltage (V), SDK 4/10/16	800
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
Ratings UL / CSA	
Rated voltage (V), SDK 4/10/16	600
Rated current (A), SDK 4/10/16	5/5/5
Use group	D
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
Ratings UL / CSA	
Rated voltage (V), SDK 4/10/16	300
Rated current (A), SDK 4/10/16	30/65/85
Use group	C
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6



**Screw connection system** SDK ../2A with spacer and adapter plates

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA when used with spacer plates and adapter plates.

Ratings IEC 60947-7-1	
Rated voltage (V), SDK 4/10/16	1000
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-3/1-3/1-5
Ratings UL / CSA	
Rated voltage (V), SDK 4/10/16	600
Rated current (A), SDK 4/10/16	30/65/65
Use group	C
Panel thickness mm, SDK 4/10/16	1-3/1-3/1-5



Screw/solder wire connection system

SDK .../1A/1L (1B) without accessories

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA without any additional accessories or encapsulation compound.

<b>Ratings IEC 60947-7-1</b>	
Rated voltage (V), SDK 4/10/16	250/320/400
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
<b>Ratings UL / CSA</b>	
Rated voltage (V), SDK 4/10/16	300
Rated current (A), SDK 4/10/16	30/65/85
Use group	B
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
<b>Ratings UL / CSA</b>	
Rated voltage (V), SDK 4/10/16	300
Rated current (A), SDK 4/10/16	10/10/10
Use group	D
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6



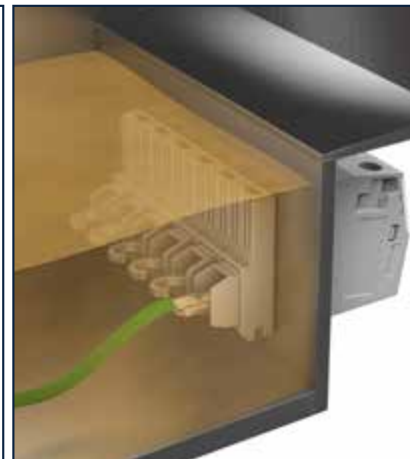
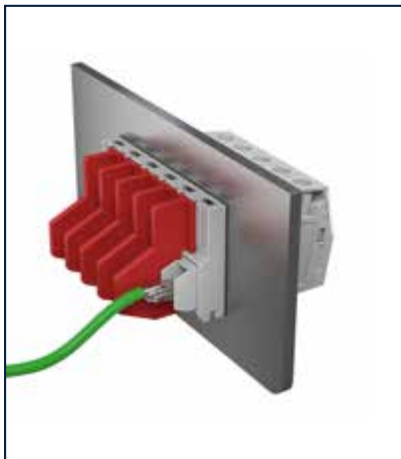
Screw/solder wire connection system

SDK ../1A/1L (1B) with partition plate inside

SDK ../1A/1L (1B) with encapsulation compound

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA when used with the inner partition plates or with the encapsulation compound without the partitions.

<b>Ratings IEC 60947-7-1</b>	
Rated voltage (V), SDK 4/10/16	1000
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-3/1-3/1-5
<b>Ratings UL / CSA</b>	
Rated voltage (V), SDK 4/10/16	600
Rated current (A), SDK 4/10/16	30/65/65
Use group	C
Panel thickness mm, SDK 4/10/16	1-3/1-3/1-5



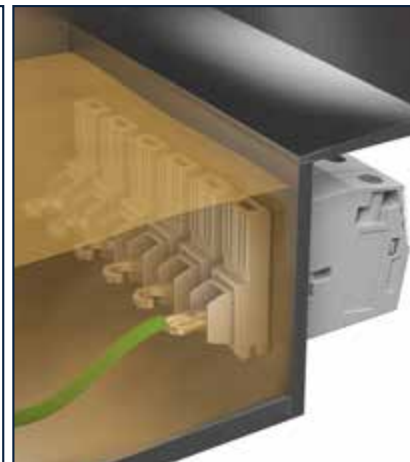
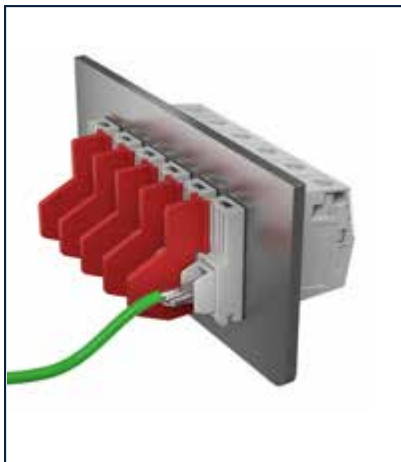
Screw/solder wire connection system

SDK ../1A/1L (1B) with partition plates inside and spacer plates

SDK ../1A/1L (1B) with encapsulation compound and spacer plates

These rated specifications are achieved in accordance with IEC 60947-7-1 / UL-CSA when used with partition plates and the spacer plate or when used with encapsulation compound and the spacer plate.

<b>Ratings IEC 60947-7-1</b>	
Rated voltage (V), SDK 4/10/16	1000
Rated current (A), SDK 4/10/16	32/57/76
Contamination degree	3
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6
<b>Ratings UL / CSA</b>	
Rated voltage (V), SDK 4/10/16	600
Rated current (A), SDK 4/10/16	30/65/85
Use group	C
Panel thickness mm, SDK 4/10/16	1-4/1-4/1-6



# Feed-through terminals SDK 4

## Screw connection system

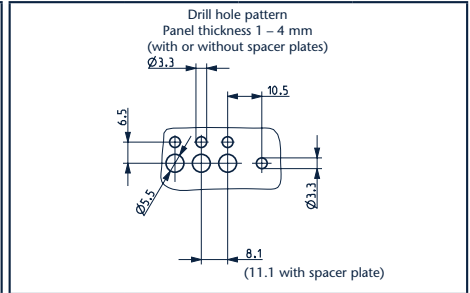
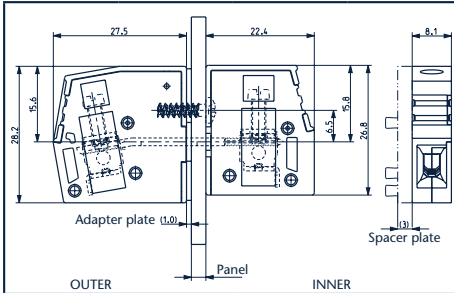


- Housing made of polyamide 6.6 UL 94 V-0

## SDK 4/2A

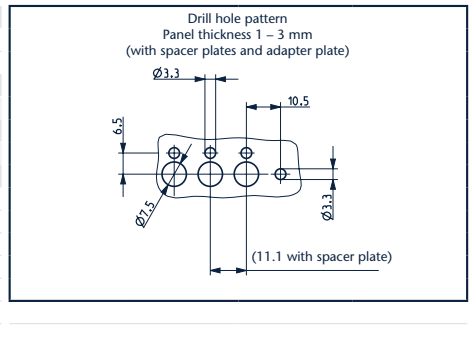


### Diagrams



Wire connect type	
Size (L x W x H), mm: outer part	
Size (L x W x H), mm: inner part	
Type / colour	
Cat. no.	Qty.
Type / colour	
Cat. no.	Qty.
Ratings IEC 60947-7-1	
Rated voltage (V)	
Rated current (A) / Max. current capacity (A)	
Rated cross-section, mm <sup>2</sup>	
Contamination degree	
Thickness of panel, mm	
Rated surge voltage, kV	
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	

Screw connection technology			
27.5 x 8.1 x 28.2			
22.4 x 8.1 x 26.8			
<b>SDK 4/2A GR</b>	●		
17380.6		50	
<b>SDK 4/2A/Z GR</b>	●		
17381.6		50	
630	800*	1000**	
32/41	32/41	32/41	
4	4	4	
3	3	3	
1-4	1-4	1-3**	
6	6	6	
A4/V-0	A4/V-0	A4/V-0	



Ratings UL / CSA	
Rated voltage (V)	
Rated current (A)	
Rated cross-section, AWG	
Use group	
Thickness of panel, mm	
Connection data	
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	
Clamping area, mm <sup>2</sup>	
Stripping length, mm	
Torque, Nm / Screw	
Features	
Insulation material / Flammability class	
Temperature range	
Included in delivery	

300	300*	600*	600**
30/10	30	5	30
26-10	26-10	26-10	26-10
B/D	C	D	C
1-4	1-4	1-4	1-3**
0.2-6 / -			
0.2-6/0.2-4			
0.2-6			
10			
0.5 - 1   Slotted M3			
PA 6.6 / UL 94 V-0			
-40 °C / +120 °C			

Accessories	
<b>Set: spacer plate inside + outside</b>	
Cat. no.	Qty.
<b>Set: outer flange plate</b>	
Cat. no.	Qty.
<b>Outer 6-pole adapter plate</b>	
Cat. no.	Qty.
<b>Outer spacer plate</b>	
Cat. no.	Qty.
<b>Inner partition plate, solder connection</b>	
Cat. no.	Qty.
<b>Perforated foam seal</b>	
Cat. no.	Qty.
<b>Inner moulded plate</b>	
Cat. no.	Qty.
<b>Inner mounting screw</b>	
Cat. no.	Qty.
<b>Screwdriver SDB</b>	
Cat. no.	Qty.
<b>Quick marking PMC SB</b>	
Cat. no.	Qty.

Inner part, outer part and mounting screw inside			
<b>SDK 4-DP GR</b>			
17431.6		50	
<b>SDK 4-FP GR (use M3 x 8 screws)</b>			
17432.6		50	
<b>SDK 4-AP/6 GR</b>			
17433.6		10	
<b>BS-SDK 4 3 x 10</b>			
17438.6		100	
<b>SDB 0.6 x 3.5</b>			
1086.0		1	
<b>PMC BSTR 8 x 12/21 WH</b>			
9410.7		210	

\* \* When using spacer plates and mounting on a conductive housing panel

\*\* \* When using spacer plates and adapter plates, and when mounting on a conductive housing panel

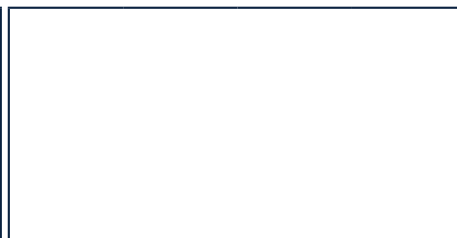


Screw-on / solder wire connection system

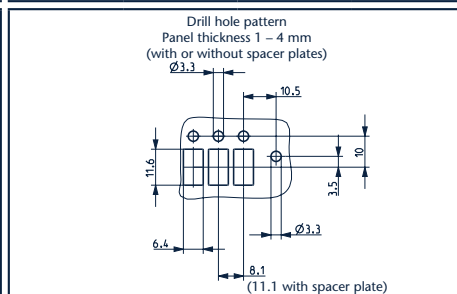
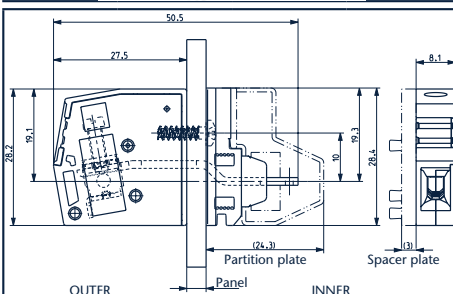
SDK 4/1A/1L



- Housing made of polyamide 6.6 UL 94 V-0



Diagrams



<b>Wire connect type</b>	Screw-solder	
Size (L x W x H), mm: outer part	27.5 x 8.1 x 28.2	
Size (L x W x H), mm: inner part	7.3 x 8.1 x 28.4	
<b>Type / colour</b>	<b>SDK 4/1A/1L GR</b> ●	
Cat. no.	17382.6	Qty. 50
<b>Type / colour</b>	<b>SDK 4/1A/1L/Z GR</b> ●	
Cat. no.	17383.6	Qty. 50
<b>Ratings IEC 60947-7-1</b>		
Rated voltage (V)	250*	630**
Rated current (A)   Max. current capacity (A)	32/41	32/41
Rated cross-section, mm <sup>2</sup>	4	4
Contamination degree	3	3
Thickness of panel, mm	1-4	1-4
Rated surge voltage, kV	6	6
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A4/V-0	A4/V-0

	1000***	
	32/41	32/41
	4	4
	3	3
	1-4	1-4
	6	6
	A4/V-0	A4/V-0

<b>Ratings UL / CSA</b>		
Rated voltage (V)	300*	600**
Rated current (A)	30/10	5
Rated cross-section, AWG	26-10	26-10
Use group	B/D	C
Thickness of panel, mm	1-4	1-4

	600***	
	30	30
	26-10	26-10
	D	D
	1-4	1-4

<b>Connection data</b>		
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0.2-6 / -	
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	0.2-4/0.2-4	
Clamping area, mm <sup>2</sup>	0.2-6	
Stripping length, mm	10	
Torque, Nm / Screw	0.5 - 1   Slotted M3	

<b>Features</b>		
Insulation material / Flammability class	PA 6.6 / UL 94 V-0	
Temperature range	-40 °C / +120 °C	

<b>Included in delivery</b>	Inner part, outer part, mounting screw inside and foam seal	
-----------------------------	---	--

<b>Accessories</b>		
<b>Set: spacer plate inside + outside</b>		
Cat. no.		Qty.
<b>Set: outer flange plate</b>	SDK 4-FP GR (use M3 x 8 screws)	
Cat. no.	17432.6	Qty. 50
<b>Outer 6-pole adapter plate</b>		
Cat. no.		Qty.
<b>Outer spacer plate</b>	SDK 4-DPA GR	
Cat. no.	17434.6	Qty. 50
<b>Inner partition plate, solder connection</b>	SDK 4-TWI RD	
Cat. no.	17435.9	Qty. 50
<b>Perforated foam seal</b>	SDK 4-SPI/10 DG	
Cat. no.	17436.4	Qty. 100
<b>Inner moulded plate</b>	SDK 4-VPI GR	
Cat. no.	17437.6	Qty. 50
<b>Inner mounting screw</b>	BS-SDK 4 3 x 10	
Cat. no.	17438.6	Qty. 100
<b>Screwdriver SDB</b>	SDB 0.6 x 3.5	
Cat. no.	1086.0	Qty. 1
<b>Quick marking PMC SB</b>	PMC BSTR 8 x 12/21 WH	
Cat. no.	9410.7	Qty. 210

\* Without spacer plate, without encapsulation compound or without partition plate  
 \*\* When used without outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plate  
 \*\*\*When used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates

# Feed-through terminals SDK 10

## Screw connection system

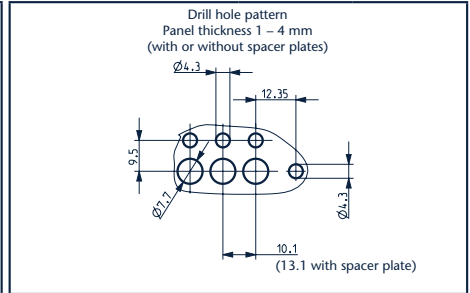
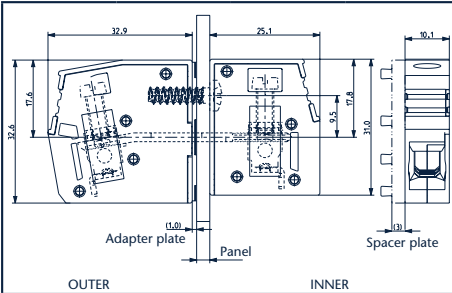


- Housing made of polyamide 6.6 UL 94 V-0

## SDK 10/2A

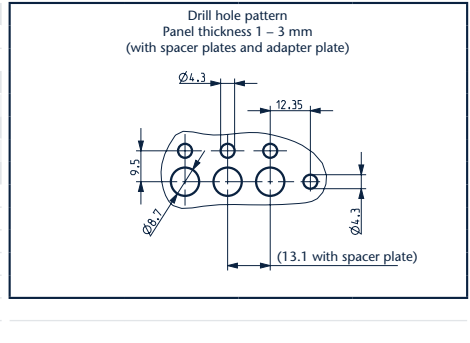


### Diagrams



Wire connect type	
Size (L x W x H), mm: outer part	32.9 x 10.1 x 32.6
Size (L x W x H), mm: inner part	25.1 x 10.1 x 31.0
Type / colour	
Cat. no.	Qty.
<b>SDK 10/2A GR</b>	50
<b>SDK 10/2A/Z GR</b>	50
Ratings IEC 60947-7-1	
Rated voltage (V)	630      800*      1000**
Rated current (A)   Max. current capacity (A)	57/76    57/76      57/76
Rated cross-section, mm <sup>2</sup>	10        10        10
Contamination degree	3         3         3
Thickness of panel, mm	1-4      1-4      1-3**
Rated surge voltage, kV	6         6         6
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A6/V-0    A6/V-0    A6/V-0

Screw connection technology			
32.9 x 10.1 x 32.6			
25.1 x 10.1 x 31.0			
Type / colour			
Cat. no.	Qty.		
<b>SDK 10/2A GR</b>	50		
<b>SDK 10/2A/Z GR</b>	50		
Ratings UL / CSA			
Rated voltage (V)	300      300*      600*      600**		
Rated current (A)	65/10    65        5         65		
Rated cross-section, AWG	20-6     20-6      20-6      20-6		
Use group	B/D      C         D         C		
Thickness of panel, mm	1-4      1-4      1-4      1-3**		
Connection data			
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0.2-16 / 0.2-16		
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	0.2-16/0.2-10		
Clamping area, mm <sup>2</sup>	0.2-16		
Stripping length, mm	12		
Torque, Nm / Screw	1.2-2.4 / Slotted M4		
Features			
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +120 °C		
Included in delivery			
	Inner part, outer part and mounting screw inside		



Accessories	
<b>Set: spacer plate inside + outside</b>	
Cat. no.	Qty.
<b>Set: outer flange plate</b>	
Cat. no.	Qty.
<b>Outer 6-pole adapter plate</b>	
Cat. no.	Qty.
<b>Outer spacer plate</b>	
Cat. no.	Qty.
<b>Inner partition plate, solder connection</b>	
Cat. no.	Qty.
<b>Perforated foam seal</b>	
Cat. no.	Qty.
<b>Inner moulded plate</b>	
Cat. no.	Qty.
<b>Inner mounting screw</b>	
Cat. no.	Qty.
<b>Screwdriver SDB</b>	
Cat. no.	Qty.
<b>Quick marking PMC SB</b>	
Cat. no.	Qty.

<b>SDK 10-DP GR</b>	50
<b>SDK 10-FP GR (use M4 x 10 screws)</b>	50
<b>SDK 10-AP/6 GR</b>	10
<b>BS-SDK 10/16</b>	
Cat. no.	Qty.
<b>SDB 0.8 x 4.0</b>	1
Cat. no.	Qty.
<b>PMC BSTR 10 x 12/10 WH</b>	100
Cat. no.	Qty.

\* \* When using spacer plates and mounting on a conductive housing panel  
 \*\* \* When using spacer plates and adapter plates, and when mounting on a conductive housing panel

Screw-on / solder wire connection system

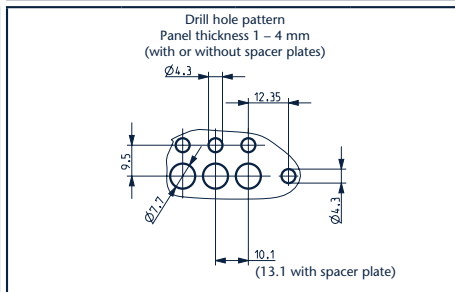
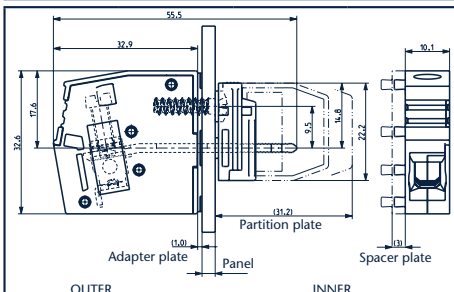
SDK 10/1A/1L



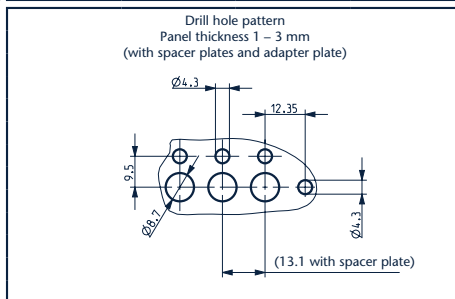
- Housing made of polyamide 6.6 UL 94 V-0



Diagrams



Wire connect type	
Size (L x W x H), mm: outer part	32.9 x 10.1 x 32.6
Size (L x W x H), mm: inner part	9.3 x 10.1 x 22.2
Type / colour	<b>SDK 10/1A/1L GR</b> ●
Cat. no.	17388.6
Qty.	50
Type / colour	<b>SDK 10/1A/1L/Z GR</b> ●
Cat. no.	17389.6
Qty.	50
Ratings IEC 60947-7-1	
Rated voltage (V)	320* 630** 1000***
Rated current (A)   Max. current capacity (A)	57/76 57/76 57/76
Rated cross-section, mm <sup>2</sup>	10 10 10
Contamination degree	3 3 3
Thickness of panel, mm	1-4 1-4 1-3***
Rated surge voltage, kV	4 6 6
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A6/V-0 A6/V-0 A6/V-0



Ratings UL / CSA	
Rated voltage (V)	300* 600** 600***
Rated current (A)	65/10 5 65
Rated cross-section, AWG	20-6 20-6 20-6
Use group	B/D D C
Thickness of panel, mm	1-4 1-4 1-3***

Connection data	
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	0.2-16 / 0.2-16
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	0.2-16/0.2-10
Clamping area, mm <sup>2</sup>	0.2-16
Stripping length, mm	12
Torque, Nm / Screw	1.2-2.4 / Slotted M4

Features	
Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +120 °C

Included in delivery

Inner part, outer part and mounting screw inside

Accessories	
<b>Set: spacer plate inside + outside</b>	
Cat. no.	Qty.
<b>Set: outer flange plate</b>	
Cat. no.	Qty.
<b>Outer 6-pole adapter plate</b>	
Cat. no.	Qty.
<b>Outer spacer plate</b>	
Cat. no.	Qty.
<b>Inner partition plate, solder connection</b>	
Cat. no.	Qty.
<b>Perforated foam seal</b>	
Cat. no.	Qty.
<b>Inner moulded plate</b>	
Cat. no.	Qty.
<b>Inner mounting screw</b>	
Cat. no.	Qty.
<b>Screwdriver SDB</b>	
Cat. no.	Qty.
<b>Quick marking PMC SB</b>	
Cat. no.	Qty.

<b>SDK 10-FP GR</b> (use M4 x 10 screws)	
Cat. no.	Qty.
17442.6	50
<b>SDK 10-DPA GR</b>	
Cat. no.	Qty.
17444.6	50
<b>SDK 10-TWI RD</b>	
Cat. no.	Qty.
17445.9	50
<b>SDK 10-SPI/10 DG</b>	
Cat. no.	Qty.
17446.4	100
<b>SDK 10-VPI GR</b>	
Cat. no.	Qty.
17447.6	50
<b>BS-SDK 10/16</b>	
Cat. no.	Qty.
17448.6	100
<b>SDB 0.8 x 4.0</b>	
Cat. no.	Qty.
1087.0	1
<b>PMC BSTR 10 x 12/10 WH</b>	
Cat. no.	Qty.
9433.7	100

\* Without spacer plate, without encapsulation compound or without partition plate  
 \*\* When used without outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plate  
 \*\*\*When used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates

# Feed-through terminals SDK 16

## Screw connection system

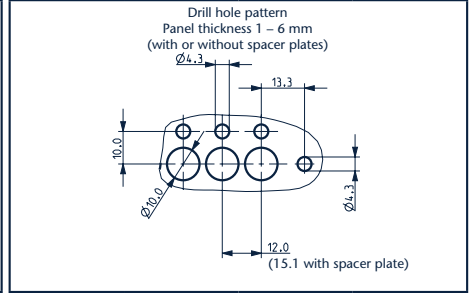
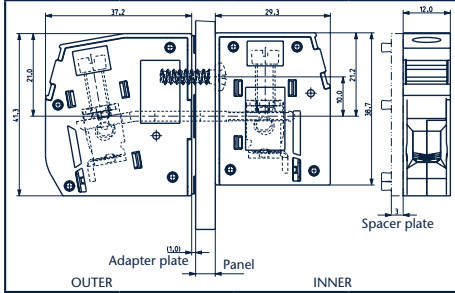


- Housing made of polyamide 6.6 UL 94 V-0

## SDK 16/2A

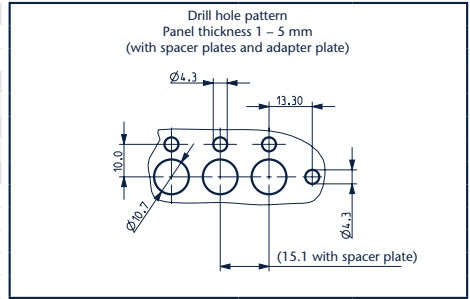


### Diagrams



Wire connect type	
Size (L x W x H), mm: outer part	37.2 x 12.0 x 41.3
Size (L x W x H), mm: inner part	29.3 x 12.0 x 38.7
Type / colour	
Cat. no.	Qty.
Type / colour (with housing pegs)	
Cat. no.	Qty.
Ratings IEC 60947-7-1	
Rated voltage (V)	630
Rated current (A)   Max. current capacity (A)	76/101
Rated cross-section, mm <sup>2</sup>	16
Contamination degree	3
Thickness of panel, mm	1-6
Rated surge voltage, kV	6
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A7/V-0

Screw connection technology			
37.2 x 12.0 x 41.3			
29.3 x 12.0 x 38.7			
<b>SDK 16/2A GR</b> ●			
17394.6			50
<b>SDK 16/2A/Z GR</b> ●			
17398.6			50
630	800*	1000**	
76/101	76/101	76/101	
16	16	16	
3	3	3	
1-6	1-6	1-5**	
6	6	6	
A7/V-0	A7/V-0	A7/V-0	



Ratings UL / CSA	
Rated voltage (V)	300
Rated current (A)	85/10
Rated cross-section, AWG	16-4
Use group	B/D
Thickness of panel, mm	1-6
Connection data	
Single wire (solid) / stranded (flexible), mm <sup>2</sup>	1.5-25 / 1.5-25
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	1.5-25/1.5-16
Clamping area, mm <sup>2</sup>	1.5-25
Stripping length, mm	16
Torque, Nm / Screw	2.0-4.0 / Slotted M5
Features	
Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +120 °C
Included in delivery	
Inner part, outer part and mounting screw inside	

300	300*	600*	600**
85/10	85	5	85
16-4	16-4	16-4	16-4
B/D	C	D	C
1-6	1-6	1-6	1-5**

Accessories	
<b>Set: spacer plate inside + outside</b>	
Cat. no.	Qty.
<b>Set: outer flange plate</b>	
Cat. no.	Qty.
<b>Outer 6-pole adapter plate</b>	
Cat. no.	Qty.
<b>Outer spacer plate</b>	
Cat. no.	Qty.
<b>Inner partition plate, solder connection</b>	
Cat. no.	Qty.
<b>Perforated foam seal</b>	
Cat. no.	Qty.
<b>Inner moulded plate</b>	
Cat. no.	Qty.
<b>Inner mounting screw</b>	
Cat. no.	Qty.
<b>Screwdriver SDB</b>	
Cat. no.	Qty.
<b>Quick marking PMC SB</b>	
Cat. no.	Qty.

<b>SDK 16-DP GR</b>			
17451.6			50
<b>SDK 16-FP GR (use M4 x 16 screws)</b>			
17452.6			50
<b>SDK 16-AP/6 GR</b>			
17453.6			10
<b>BS-SDK 10/16</b>			
17448.6			100
<b>SDB 0.8 x 4.0</b>			
1087.0			1
<b>PMC BSTR 10 x 12/10 WH</b>			
9433.7			100

\* \* When using spacer plates and mounting on a conductive housing panel  
 \*\* \* When using spacer plates and adapter plates, and when mounting on a conductive housing panel

Screw- / stud connection

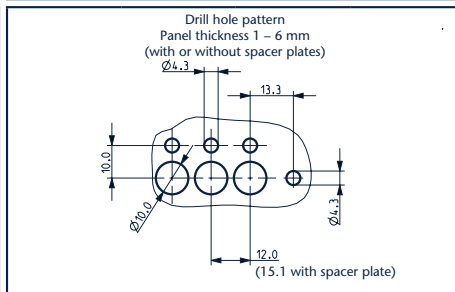
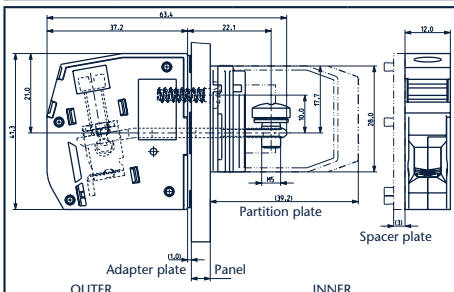
SDK 16/1A/1B



- Housing made of polyamide 6.6 UL 94 V-0



Diagrams



Wire connect type

Size (L x W x H), mm: outer part  
Size (L x W x H), mm: inner part

Type / colour

Cat. no. Qty. **SDK 16/1A/1B GR** ● 50

Type / colour

Cat. no. Qty. **SDK 16/1A/1B/Z GR** ● 50

Ratings IEC 60947-7-1

Rated voltage (V)	400*	630**	1000***
Rated current (A)   Max. current capacity (A)	76/101	76/101	76/101
Rated cross-section, mm <sup>2</sup>	16	16	16
Contamination degree	3	3	3
Thickness of panel, mm	1-6	1-6	1-5***
Rated surge voltage, kV	4	6	6
Plug gauge acc. to EN 60 947-1 / Flamm. class acc. to UL 94	A7/V-0	A7/V-0	A7/V-0

Ratings UL / CSA

Rated voltage (V)	300*	600**	600***
Rated current (A)	85/10	5	85
Rated cross-section, AWG	16-4	16-4	16-4
Use group	B/D	D	C
Thickness of panel, mm	1-6	1-6	1-5***

Connection data

Single wire (solid) / stranded (flexible), mm <sup>2</sup>	1.5-25 / 1.5-25
Finely-stranded / Finely-stranded (w/ferrules: DIN 46 228/1), mm <sup>2</sup>	1.5-25/1.5-16
Clamping area, mm <sup>2</sup>	1.5-25
Stripping length, mm	16
Tightening torque Nm / Screw outer part	2.0-4.0 / Slotted M5
Tightening torque Nm / Screw inner part	2.5-3.0/cross-head M5

Features

Insulation material / Flammability class	PA 6.6 / UL 94 V-0
Temperature range	-40 °C / +120 °C

Included in delivery

Inner part, outer part and mounting screw inside

Accessories

Set: spacer plate inside + outside

Cat. no. Qty.

Set: outer flange plate

Cat. no. Qty. **SDK 16-FP GR** (use M4 x 16 screws) 50

Outer 6-pole adapter plate

Cat. no. Qty. **SDK 16-AP/6 GR** 10

Outer spacer plate

Cat. no. Qty. **SDK 16-DPA GR** 50

Inner partition plate, solder connection

Cat. no. Qty. **SDK 16-TWI RD** 50

Perforated foam seal

Cat. no. Qty. **SDK 16-SPI/10 DG** 100

Inner moulded plate

Cat. no. Qty. **SDK 16-VPI GR** 50

Inner mounting screw

Cat. no. Qty. **BS-SDK 10/16** 100

Screwdriver SDB

Cat. no. Qty. **SDB 0.8 x 4.0** 1

Quick marking PMC SB

Cat. no. Qty. **PMC BSTR 10 x 12/10 WH** 100

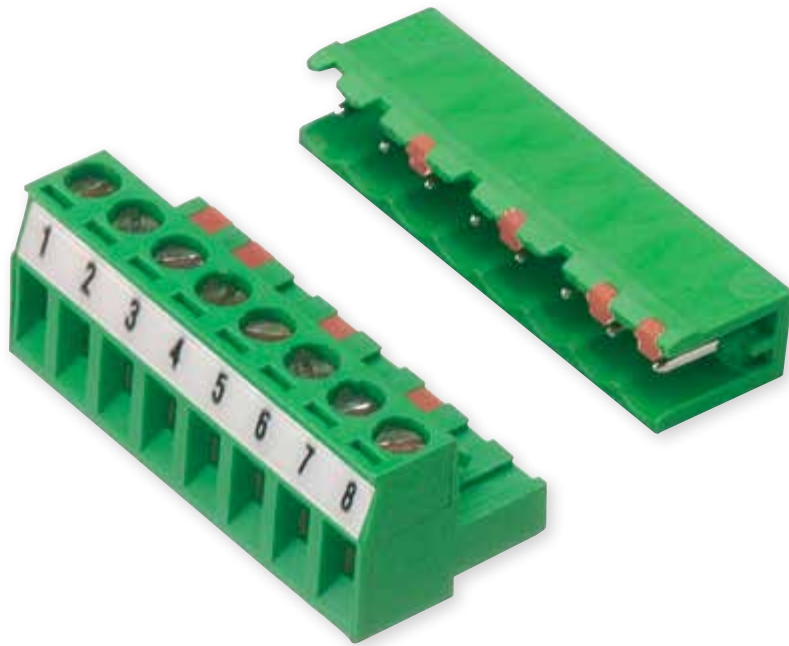
\* Without spacer plate, without encapsulation compound or without partition plate  
 \*\* When used without outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plate  
 \*\*\*When used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates

# CONTA-CON Accessories

A large selection of accessories completes our line of PCB connector products to provide the best wire-connection-system for your applications.

Find out more about these:

- Coding system **K**
- Single cover **AD/PK**
- Dummy plug **BLS-STL**
- Labelling and marking **BK/SB**
- Rail mounting system **RS-SP** (extruded profiles)



### Coding system K

With the coding system **K**, users can code our PCB connectors without loss of poles in order to reliably prevent incorrect mating.

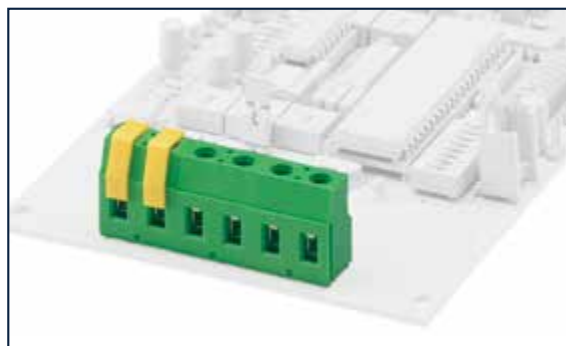
The coding elements are attached to star-shaped carrier plates. The mechanical coding is done by inserting the individual coding profiles into the mating face.



### Cover AD/PK

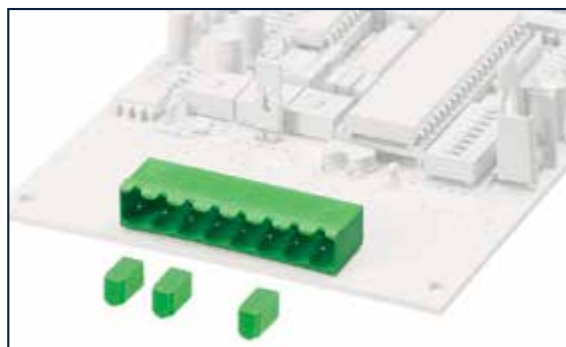
Multiple VDE regulations require that power supply terminals must be covered in addition to their IP20 protection. The **AD/PK** single cover is available for the **PK 7** PCB terminal block and the PCB plug-in connector.

The screw cover is used to cover the screws after the wire has been attached.



### Dummy/partition plugs BLS-STL

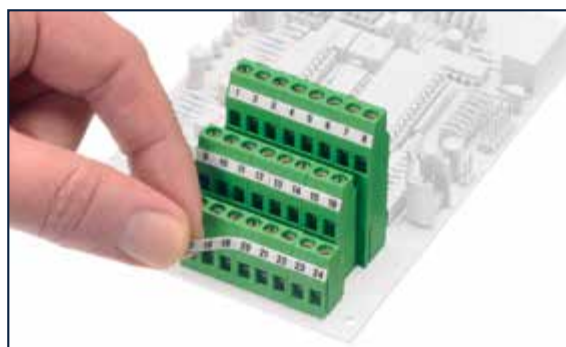
By plugging the **BLS-STL** into a longer male pin block, it can be divided into different sections. This also makes it possible to clearly divide longer male pin blocks. The dummy plugs additionally protect the male pin block from dust and touch contact.



### Labelling BK

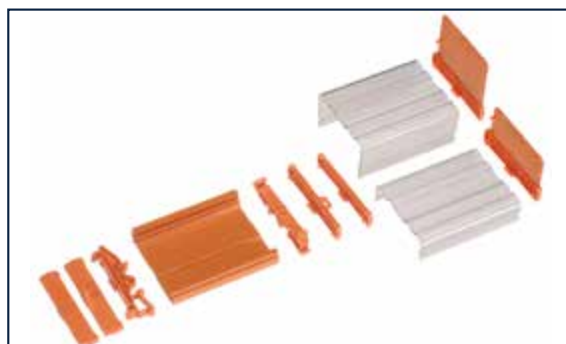
Our PCB terminals and plug-in connectors are delivered by default without any labelling of the poles.

All CONTA-CON terminals can be printed according to customer requirements for an extra charge. We also provide printed or blank self-adhesive **BK** labelling cards.





### Locking-base system RS-SP


The **RS-SP 0**, **RS-SP 1** and the **RS-SP 2** profiles have two PCB levels and are delivered in two-meter lengths. They can be shortened with a saw to the correct length. Naturally, we will also deliver the profiles according to your requirements. The profile can be shortened freely, without rigid pitch divisions. The individual fit of the enclosure profile to the electronics is thus guaranteed.



## Coding system K


	K 1			K 2		
						
<b>Characteristics</b>						
Insulation material / Flammability class	PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C			-40 °C / +105 °C		
Number of tabs per star	6			6		
<b>Order information</b>	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)	K1 RD	12002.9	100	K2 RD	12003.9	100

	K 3			K 4		
						
<b>Characteristics</b>						
Insulation material / Flammability class	PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C			-40 °C / +105 °C		
Number of tabs per star	6			6		
<b>Order information</b>	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)	K3 RD	12004.9	100	K4 RD	14309.4	100



	K5		
			
<b>Characteristics</b>			
Insulation material / Flammability class	PA 6.6 / UL 94 V-0		
Temperature range	-40 °C / +105 °C		
Number of tabs per star	6		
<b>Order information</b>	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)	K5 RD	14310.4	100



## Cover AD/PK

		AD		
				
<b>Characteristics</b>				
Insulation material / Flammability class		PA 6.6 / UL 94 V-0		
Temperature range		-40 °C / +105 °C		
<b>Order information</b>		<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)		AD/PK yellow	13283.8	100

## Dummy/partition plug BLS-STL

		BLS-STL			BLS-STL2		
							
<b>Characteristics</b>							
Insulation material / Flammability class		PA 6.6 / UL 94 V-0			PA 6.6 / UL 94 V-0		
Temperature range		-40 °C / +105 °C			-40 °C / +105 °C		
<b>Order information</b>		<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>	<b>No. of poles</b>	<b>Cat. no.</b>	<b>Qty.</b>
Standard colour(s)		BLS-STL	13284.1	100	BLS-STL2	30499.1	100

# Labelling

## Strip height: 2.8 mm, 3.3 mm or 3.8 mm

Our PCB terminals and plug-in connectors are delivered by default without any labelling of the poles.

All CONTA-CON terminals can be printed according to customer requirements for an extra charge.

We also provide printed or blank self-adhesive **BK** labelling cards.

These individual labelling strips can be attached to all PCB terminal blocks and plug-in connectors that do not have a marker groove (exception listed below). The strips are available in the heights 2.8 mm, 3.3 mm and 3.8 mm. Depending on the version, either 12 or 14 labelling strips with 10 or 12 marking labels each are combined together on a **BK** labelling card.

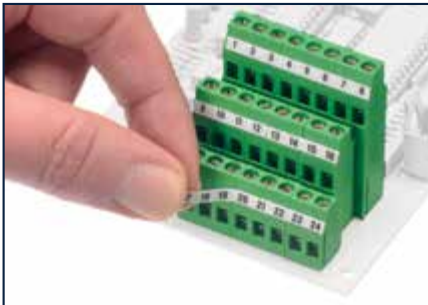
The cards are available in the following CONTA-CON PCB connector pitches: 2.50, 2.54, 3.50, 3.81, 5.00, 5.08, 7.50, 7.62. In these pitch dimensions, the labelling cards are available with standard labelling from 0 to 40 (continual horizontal).

Unprinted 10-pole cards with pitch marks are available for custom labelling. These can be marked manually using the **BS-1** labelling pen. Machine-made, customized labelling cards are available on request.

Exception:

For the **PK 2.5**, **PKDL 2.5** and **PKDR 2.5** PCB terminals, there is a groove in the insulation housing into which a labelling tag can be snapped.

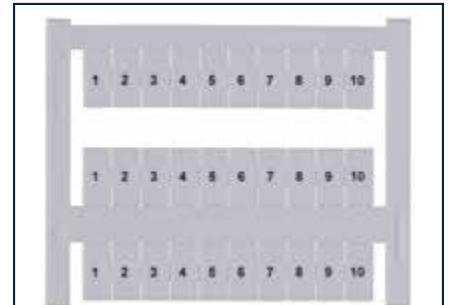
For a more detailed product description of the marking system, please refer to our sub-catalogue 6 "Marking components for ink-based marking systems".



**Example of BK labelling**







**Application of  
Pocket-Maxicard PMC SB**



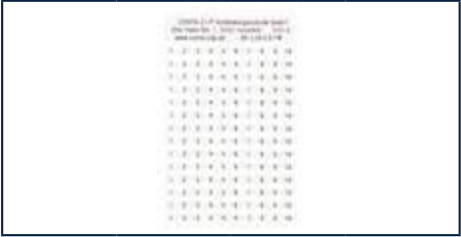

**Terminal marking system  
Pocket Maxicard PMC**

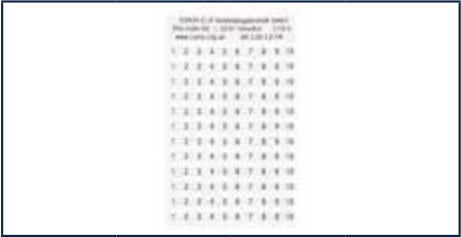
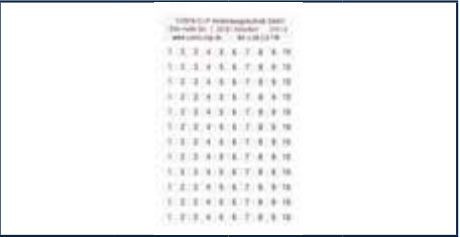
# Labelling card BK

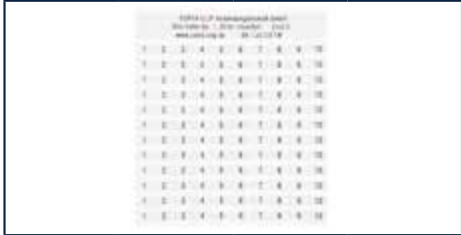
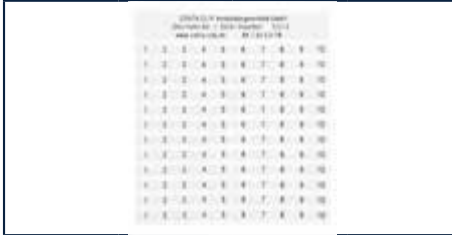
	BKA 2.5/2.8	BKA 2.54/2.8
		
<b>Characteristics</b>		
Material / colour	Polyester / white	Polyester / white
Temperature range	-40 °C / +120 °C	-40 °C / +120 °C
Pitch / Tag height	2.50 / 2.8 mm	2.54 / 2.8 mm
Number of tags per row / sheet	10 / 140	10 / 140
Printing process	Thermal transfer	Thermal transfer
Wipe resistance when printing	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
<b>Order information</b>		
Unprinted, freely divided pitch	<b>Type</b> BK 2.50/2.8 blank	<b>Cat. no.</b> 3171.0
Special print	BK 2.50/2.8 So	3180.0
Card, printed, continual, horizontal:	BK 2.50/2.8 FW 0-9	2979.0
	BK 2.50/2.8 FW 1-10	2980.0
	BK 2.50/2.8 FW 11-20	2981.0
	BK 2.50/2.8 FW 21-30	2982.0
	BK 2.50/2.8 FW 31-40	2983.0
	<b>Qty.</b>	10
	BK 2.54/2.8 blank	3172.0
	BK 2.54/2.8 So	3181.0
	BK 2.54/2.8 FW 0-9	2984.0
	BK 2.54/2.8 FW 1-10	2985.0
	BK 2.54/2.8 FW 11-20	2986.0
	BK 2.54/2.8 FW 21-30	2987.0
	BK 2.54/2.8 FW 31-40	2988.0
	<b>Qty.</b>	10

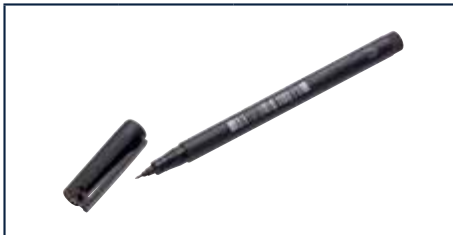
	BKA 3.5/2.8	BKA 3.81/2.8
		
<b>Characteristics</b>		
Material / colour	Polyester / white	Polyester / white
Temperature range	-40 °C / +120 °C	-40 °C / +120 °C
Pitch / Tag height	3.50 / 2.8 mm	3.81 / 2.8 mm
Number of tags per row / sheet	10 / 140	10 / 140
Printing process	Thermal transfer	Thermal transfer
Wipe resistance when printing	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
<b>Order information</b>		
Unprinted, freely divided pitch	<b>Type</b> BK 3.50/2.8 neutral	<b>Cat. no.</b> 3173.0
Special print	BK 3.50/2.8 So	3182.0
Card, printed, continual, horizontal:	BK 3.50/2.8 FW 0-9	3015.0
	BK 3.50/2.8 FW 1-10	3016.0
	BK 3.50/2.8 FW 11-20	3017.0
	BK 3.50/2.8 FW 21-30	3018.0
	BK 3.50/2.8 FW 31-40	3019.0
	<b>Qty.</b>	10
	BK 3.81/2.8 neutral	3174.0
	BK 3.81/2.8 So	3183.0
	BK 3.81/2.8 FW 0-9	3032.0
	BK 3.81/2.8 FW 1-10	3033.0
	BK 3.81/2.8 FW 11-20	3034.0
	BK 3.81/2.8 FW 21-30	3035.0
	BK 3.81/2.8 FW 31-40	3036.0
	<b>Qty.</b>	10

# Labelling card BK

	BKA 5.08/2.8	BKA 5.08/2.8
		
<b>Characteristics</b>		
Material / colour	Polyester / white	Polyester / white
Temperature range	-40 °C / +120 °C	-40 °C / +120 °C
Pitch / Tag height	5.08 / 2.8 mm	5.08 / 2.8 mm
Number of tags per row / sheet	10 / 140	12 / 168
Printing process	Thermal transfer	Thermal transfer
Wipe resistance when printing	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
<b>Order information</b>	<b>Type</b> <b>Cat. no.</b> <b>Qty.</b>	<b>Type</b> <b>Cat. no.</b> <b>Qty.</b>
Unprinted, freely divided pitch	BK 5.08/2.8 neutral      3175.0      10	
Special print	BK 5.08/2.8 So      3184.0      10	BK 5.08/2.8 FW 1-12      2960.7      10
Card, printed, continual, horizontal:	BK 5.08/2.8 FW 0-9      3136.0      10	BK 5.08/2.8 FW 13-24      2961.7      10
	BK 5.08/2.8 FW 1-10      3137.0      10	
	BK 5.08/2.8 FW 11-20      3138.0      10	
	BK 5.08/2.8 FW 21-30      3139.0      10	
	BK 5.08/2.8 FW 31-40      3140.0      10	

	BKA 5.00/3.8	BKA 5.08/3.8
		
<b>Characteristics</b>		
Material / colour	Polyester / white	Polyester / white
Temperature range	-40 °C / +120 °C	-40 °C / +120 °C
Pitch / Tag height	5.00 / 3.8 mm	5.08 / 3.8 mm
Number of tags per row / sheet	10 / 120	10 / 120
Printing process	Thermal transfer	Thermal transfer
Wipe resistance when printing	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
<b>Order information</b>	<b>Type</b> <b>Cat. no.</b> <b>Qty.</b>	<b>Type</b> <b>Cat. no.</b> <b>Qty.</b>
Unprinted, freely divided pitch	BK 5.00/3.8 neutral      3176.0      10	BK 5.08/3.8 neutral      3177.0      10
Special print	BK 5.00/3.8 So      3185.0      10	BK 5.08/3.8 So      3186.0      10
Card, printed, continual, horizontal:	BK 5.00/3.8 FW 0-9      3141.0      10	BK 5.08/3.8 FW 0-9      3146.0      10
	BK 5.00/3.8 FW 1-10      3142.0      10	BK 5.08/3.8 FW 1-10      3147.0      10
	BK 5.00/3.8 FW 11-20      3143.0      10	BK 5.08/3.8 FW 11-20      3148.0      10
	BK 5.00/3.8 FW 21-30      3144.0      10	BK 5.08/3.8 FW 21-30      3149.0      10
	BK 5.00/3.8 FW 31-40      3145.0      10	BK 5.08/3.8 FW 31-40      3150.0      10

	BKA 7.50/3.8	BKA 7.62/3.8				
						
<b>Characteristics</b>						
Material / colour	Polyester / white	Polyester / white				
Temperature range	-40 °C / +120 °C	-40 °C / +120 °C				
Pitch / Tag height	7.50 / 3.8 mm	7.62 / 3.8 mm				
Number of tags per row / sheet	10 / 120	10 / 140				
Printing process	Thermal transfer	Thermal transfer				
Wipe resistance when printing	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)				
<b>Order information</b>						
	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>
Unprinted, freely divided pitch	BK 7.50/3.8 neutral	3178.0	10	BK 7.62/3.8 neutral	3179.0	10
Special print	BK 7.50/3.8 So	3187.0	10	BK 7.62/3.8 So	3188.0	10
Card, printed, continual, horizontal:	BK 7.50/3.8 FW 0-9	3151.0	10	BK 7.62/3.8 FW 0-9	3156.0	10
	BK 7.50/3.8 FW 1-10	3152.0	10	BK 7.62/3.8 FW 1-10	3157.0	10
	BK 7.50/3.8 FW 11-20	3153.0	10	BK 7.62/3.8 FW 11-20	3158.0	10
	BK 7.50/3.8 FW 21-30	3154.0	10	BK 7.62/3.8 FW 21-30	3159.0	10
	BK 7.50/3.8 FW 31-40	3155.0	10	BK 7.62/3.8 FW 31-40	3160.0	10

	BS-1		
			
<b>Characteristics</b>			
Line width	0.4 mm		
Colour	Black		
Storage temperature	+5°C / +20°C		
Storage at rel. humidity level of:	30% to 60%		
Characteristics	smudge-proof		
<b>Order information</b>			
	<b>Type</b>	<b>Cat. no.</b>	<b>Qty.</b>
	BS-1	2034.0	1

# Locking-base system RS-SP

## Extruded profiles can be used for the main holders of printed circuit boards.

The **RS-SP 1** and the **RS-SP 2** profiles have two PCB levels and are delivered in two-meter lengths. They can be easily shortened with a saw to the correct length. Naturally, we will also deliver the profiles according to your requirements. The profile can be shortened freely, without rigid pitch divisions. The individual fit of the enclosure profile to the electronics is thus guaranteed.

After you shorten the extruded profile to fit the desired module length or available space, you can mount the corresponding end plates and foot elements on to the module.

There are three graded profile versions available for different PCB widths: **RS-SP 0**, **RS-SP 1** and **RS-SP 2**.

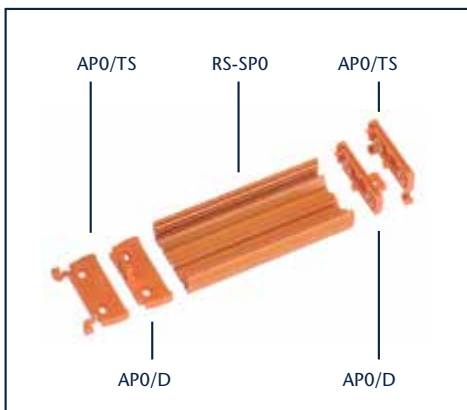
Transparent cover profiles for the **RS-SP 1** system are available as **AD 1** (low version) and **AD 2** (high version) in one-meter lengths. The **AP/AD 1** (low version) and **AP/AD 2** (high version) end plates serve as holders. They are fastened to the cover profile by using the **BS-AD** mounting screws. The **RS-SP 1** and **RS-SP 2** versions are marked using the **SB** quick marking system in the specially designed marking grooves. (Refer to the sub-catalogue 6 "Marking components for ink-based marking systems".)

An **RS-SP** profile enclosure can consist of the following parts, depending on the requirements and assembly:

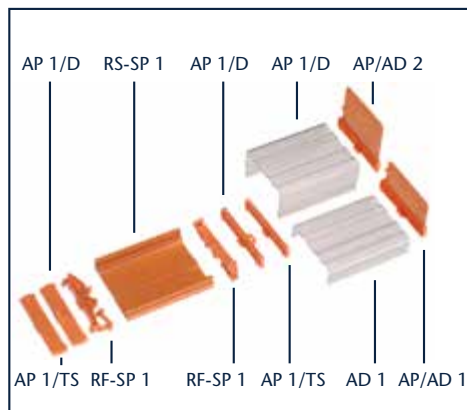
- **RS-SP** extruded profile (**RS-SPO**; **RS-SP 1**; **RS-SP 2** versions)

- AP end plates in varying versions:
  - **AP/TS (RS-SPO)** mount on the **TS 35** DIN rail.
  - **RS-SP 1** and **RS-SP 2** on DIN rail **TS 32/TS 35**
  - **AP/D** direct mount
  - **AP/AD 1** low version for attaching the **AD 1** transparent cover
  - **AP/AD 2** high version is for attaching the **AD 2** transparent cover
- **RF** mounting (snap-on) foot for mounting the **RS-SP 1** and **RS-SP 2** profiles onto the **TS 32/TS 35** rails
- **AD** transparent cover profile
  - **AD 1** low version
  - **AD 2** high version
- **BS-AD** mounting screws for fastening the **AD 1** and **AD 2** cover profiles
- **BS-RS** mounting screws for securing the **AP** end plates (types **RS-SPO** and **RS-SP 2**)

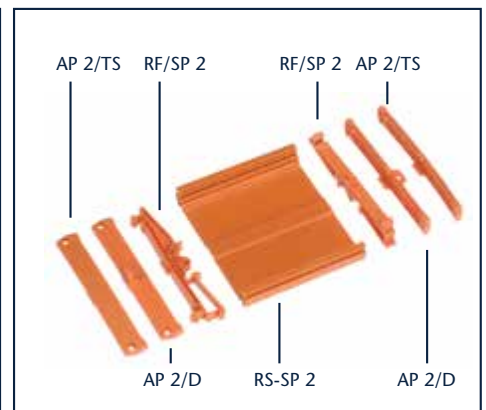
The **RS-SP** locking-base system is delivered in the standard orange colour. Other colours are available upon request!



**RS-SPO**



**RS-SP 1**



**RS-SP 2**

Locking-base system RS-SP

RS-SP 0



RS-SP 1



Dimensions	mm	Thickness mm	mm	Thickness mm		
PCB upper level	42.25	1.5 + 0.2	73	1.5 + 0.2		
PCB lower level			68	1.5 + 0.2		
Total width	46.5		84			
Length	2000		2000			
Required profile length	Circuit board length - 4.0 mm		Circuit board length - 4.5 mm			
Height on TS 32			43			
Height on TS 35	27		40			
Height when directly mounted	19		17			
Height of AD 1			25			
Height of AD 2			45			
Characteristics	RS-SP = PVC AP/RF = PA 6.6 / UL 94 V-2		RS-SP = PVC AP/RF = PA 6.6 / UL 94 V-2			
Individual components	Type	Cat. no.	Qty.	Type	Cat. no.	Qty.
Extruded profile	RS-SP 0 orange	5675.3	1	RS-SP 1 orange	5680.3	1
End plate / DIN rail mount	AP 0/TS orange	3133.3	20	AP 1/TS orange	5681.3	20
End plate / direct mount	AP 0/D orange	3134.3	20	AP 1/D orange	5682.3	20
End plate for AD 1				AP/AD 1	5891.0	20
End plate for AD 2				AP/AD 2	5895.0	20
Mounting screws BS-RS	BS/RS	4560.0	100	AD 1	5893.0	1
AD 1 cover profile				AD 2	5894.0	1
Cover profile AD-2				BS/AD	2385.0	100
Mounting screws for cover profile BS-AD				RF/SP 1 orange	5683.3	20
Mounting foot for TS 32/35						

RS-SP 2



Dimensions	mm	Thickness mm	
PCB upper level	108.5	1.5 + 0.2	
PCB lower level	100	1.5 + 0.2	
Total width	119		
Length	2000		
Required profile length	Circuit board length - 4.5 mm		
Height on TS 32	43		
Height on TS 35	40		
Height when directly mounted	17		
Height of AD 1			
Height of AD 2			
Characteristics	RS-SP = PVC AP/RF = PA 6.6 / UL 94 V-2		
Individual components	Type	Cat. no.	Qty.
Extruded profile	RS-SP 2 orange	5690.3	1
End plate / DIN rail mount	AP 2/TS orange	5691.3	20
End plate / direct mount	AP 2/D orange	5692.3	20
End plate for AD 1			
End plate for AD 2			
Mounting screws BS-RS	BS/RS	4560.0	100
AD 1 cover profile			
Cover profile AD-2			
Mounting screws for cover profile BS-AD			
Mounting foot for TS 32/35	RF/SP 2 orange	5693.3	20

## Types and catalogue numbers, alphabetic

Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
<b>A</b>			BK 5,08/3,8 FW 31-40	3150.0	188	ISTLZ 950/19/5,08-H GN	14167.1	158
AD 1/1000 mm	5893.0	191	BK 5,08/3,8 neutral	3177.0	188	ISTLZ 950/19/5,08-V GN	14190.1	158
AD 2/1000 mm	5894.0	191	BK 5,08/3,8 So	3186.0	188	ISTLZ 950/2/5,08-H GN	14150.1	158
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AP 0/D OG	3134.3	191	BK 7,50/3,8 FW 1-10	3152.0	189	ISTLZ 950/20/5,08-H GN	14168.1	158
AP 0/TS OG	3133.3	191	BK 7,50/3,8 FW 11-20	3153.0	189	ISTLZ 950/20/5,08-V GN	14191.1	158
AP 1/D OG	5682.3	191	BK 7,50/3,8 FW 21-30	3154.0	189	ISTLZ 950/21/5,08-H GN	14169.1	158
AP 1/TS OG	5681.3	191	BK 7,50/3,8 FW 31-40	3155.0	189	ISTLZ 950/21/5,08-V GN	14192.1	158
AP 2/D OG	5692.3	191	BK 7,50/3,8 neutral	3178.0	189	ISTLZ 950/22/5,08-H GN	14170.1	158
AP 2/TS OG	5691.3	191	BK 7,50/3,8 So	3187.0	189	ISTLZ 950/22/5,08-V GN	14193.1	158
AP AD 1	5891.0	191	BK 7,62/3,8 FW 0-9	3156.0	189	ISTLZ 950/23/5,08-H GN	14171.1	158
AP AD 2	5895.0	191	BK 7,62/3,8 FW 1-10	3157.0	189	ISTLZ 950/23/5,08-V GN	14194.1	158
AP/PBK 2,5 GN	14379.1	17, 19, 20	BK 7,62/3,8 FW 11-20	3158.0	189	ISTLZ 950/24/5,08-H GN	14172.1	158
AP/PBK 5 GN	14459.1	20, 21	BK 7,62/3,8 FW 21-30	3159.0	189	ISTLZ 950/24/5,08-V GN	14195.1	158
			BK 7,62/3,8 FW 31-40	3160.0	189	ISTLZ 950/3/5,08-H GN	14151.1	158
			BK 7,62/3,8 neutral	3179.0	189	ISTLZ 950/3/5,08-V GN	14174.1	158
			BK 7,62/3,8 So	3188.0	189	ISTLZ 950/4/5,08-H GN	14152.1	158
			BLS-STL 2 GN	30499.1	134-157, 165, 166, 185	ISTLZ 950/4/5,08-V GN	14175.1	158
			BLS-STL GN	13284.1	159-164, 185	ISTLZ 950/5/5,08-H GN	14153.1	158
			BS AD/M 2,9x6,5	2385.0	191	ISTLZ 950/5/5,08-V GN	14176.1	158
			BS RS	4560.0	191	ISTLZ 950/6/5,08-H GN	14154.1	158
			BS-1	2034.0	189	ISTLZ 950/6/5,08-V GN	14177.1	158
			BS-SDK 10/16 4x14	17448.6	178-181	ISTLZ 950/7/5,08-H GN	14155.1	158
			BS-SDK 4 3x10	17438.6	176, 177	ISTLZ 950/7/5,08-V GN	14178.1	158
						ISTLZ 950/8/5,08-H GN	14156.1	158
						ISTLZ 950/8/5,08-V GN	14179.1	158
						ISTLZ 950/9/5,08-H GN	14157.1	158
						ISTLZ 950/9/5,08-V GN	14180.1	158
<b>B</b>						<b>K</b>		
BK 2,50/2,8 FW 0-9	2979.0	187	IPKBZ 950/10/5,08 GN	14204.1	114	K1 RD	12002.9	93-95, 98, 108-116, 118, 184
BK 2,50/2,8 FW 1-10	2980.0	187	IPKBZ 950/11/5,08 GN	14205.1	114	K2 RD	12003.9	143-149, 151-157, 159, 160-170, 171, 184
BK 2,50/2,8 FW 11-20	2981.0	187	IPKBZ 950/12/5,08 GN	14206.1	114	K3 RD	12004.9	134, 135, 137, 139, 140-142, 150, 165, 166, 184
BK 2,50/2,8 FW 21-30	2982.0	187	IPKBZ 950/13/5,08 GN	14207.1	114	K4 RD	14309.4	115, 116, 118, 120, 121, 158, 184
BK 2,50/2,8 FW 31-40	2983.0	187	IPKBZ 950/14/5,08 GN	14208.1	114	K5 RD	14310.4	114, 184
BK 2,50/2,8 neutral	3171.0	187	IPKBZ 950/15/5,08 GN	14209.1	114			
BK 2,50/2,8 So	3180.0	187	IPKBZ 950/16/5,08 GN	14210.1	114			
BK 2,54/2,8 FW 0-9	2984.0	187	IPKBZ 950/17/5,08 GN	14211.1	114			
BK 2,54/2,8 FW 1-10	2985.0	187	IPKBZ 950/18/5,08 GN	14212.1	114			
BK 2,54/2,8 FW 11-20	2986.0	187	IPKBZ 950/19/5,08 GN	14213.1	114			
BK 2,54/2,8 FW 21-30	2987.0	187	IPKBZ 950/2/5,08 GN	14196.1	114			
BK 2,54/2,8 FW 31-40	2988.0	187	IPKBZ 950/20/5,08 GN	14214.1	114			
BK 2,54/2,8 neutral	3172.0	187	IPKBZ 950/21/5,08 GN	14215.1	114			
BK 2,54/2,8 So	3181.0	187	IPKBZ 950/22/5,08 GN	14216.1	114			
BK 3,50/2,8 FW 0-9	3015.0	187	IPKBZ 950/23/5,08 GN	14217.1	114			
BK 3,50/2,8 FW 1-10	3016.0	187	IPKBZ 950/24/5,08 GN	14218.1	114			
BK 3,50/2,8 FW 11-20	3017.0	187	IPKBZ 950/3/5,08 GN	14197.1	114			
BK 3,50/2,8 FW 21-30	3018.0	187	IPKBZ 950/4/5,08 GN	14198.1	114			
BK 3,50/2,8 FW 31-40	3019.0	187	IPKBZ 950/5/5,08 GN	14199.1	114			
BK 3,50/2,8 neutral	3173.0	187	IPKBZ 950/6/5,08 GN	14200.1	114			
BK 3,50/2,8 So	3182.0	187	IPKBZ 950/7/5,08 GN	14201.1	114			
BK 3,81/2,8 FW 0-9	3032.0	187	IPKBZ 950/8/5,08 GN	14202.1	114			
BK 3,81/2,8 FW 1-10	3033.0	187	IPKBZ 950/9/5,08 GN	14203.1	114			
BK 3,81/2,8 FW 11-20	3034.0	187	ISTLZ 950/10/5,08-H GN	14158.1	158			
BK 3,81/2,8 FW 21-30	3035.0	187	ISTLZ 950/10/5,08-V GN	14181.1	158			
BK 3,81/2,8 FW 31-40	3036.0	187	ISTLZ 950/11/5,08-H GN	14159.1	158			
BK 3,81/2,8 neutral	3174.0	187	ISTLZ 950/11/5,08-V GN	14182.1	158			
BK 3,81/2,8 So	3183.0	187	ISTLZ 950/12/5,08-H GN	14160.1	158			
BK 5,00/3,8 FW 0-9	3141.0	188	ISTLZ 950/12/5,08-V GN	14183.1	158			
BK 5,00/3,8 FW 1-10	3142.0	188	ISTLZ 950/13/5,08-H GN	14161.1	158			
BK 5,00/3,8 FW 11-20	3143.0	188	ISTLZ 950/13/5,08-V GN	14184.1	158			
BK 5,00/3,8 FW 21-30	3144.0	188	ISTLZ 950/14/5,08-H GN	14162.1	158			
BK 5,00/3,8 FW 31-40	3145.0	188	ISTLZ 950/14/5,08-V GN	14185.1	158			
BK 5,00/3,8 neutral	3176.0	188	ISTLZ 950/15/5,08-H GN	14163.1	158			
BK 5,00/3,8 So	3185.0	188	ISTLZ 950/15/5,08-V GN	14186.1	158			
BK 5,08/2,8 FW 1-10	3137.0	188	ISTLZ 950/16/5,08-H GN	14164.1	158			
BK 5,08/2,8 FW 1-12	2960.7	188	ISTLZ 950/16/5,08-V GN	14187.1	158			
BK 5,08/2,8 FW 13-24	2961.7	188	ISTLZ 950/17/5,08-H GN	14165.1	158			
BK 5,08/2,8 FW 0-9	3136.0	188	ISTLZ 950/17/5,08-V GN	14188.1	158			
BK 5,08/2,8 FW 11-20	3138.0	188	ISTLZ 950/18/5,08-H GN	14166.1	158			
BK 5,08/2,8 FW 21-30	3139.0	188	ISTLZ 950/18/5,08-V GN	14189.1	158			
BK 5,08/2,8 FW 31-40	3140.0	188						
BK 5,08/2,8 neutral	3175.0	188						
BK 5,08/2,8 So/10	3184.0	188						
BK 5,08/3,8 FW 0-9	3146.0	188						
BK 5,08/3,8 FW 1-10	3147.0	188						
BK 5,08/3,8 FW 11-20	3148.0	188						
BK 5,08/3,8 FW 21-30	3149.0	188						



Type	Cat. no.	Page	Type	Cat. no.	Page	Type	Cat. no.	Page
PBK 2,5/11/7,50-H GN	14411.1	19	PBK 4101/20/5,00-KD LG	13126.0	16	PBK 4291/8/3,50-KD LG	13292.0	14
PBK 2,5/11/7,50-V GN	14391.1	19	PBK 4101/21/5,00-KD LG	13127.0	16	PBK 4291/8/3,50-KDVP LG	13316.0	14
PBK 2,5/12/5,00-H GN	14372.1	17	PBK 4101/22/5,00-KD LG	13128.0	16	PBK 4291/9/3,50-KD LG	13293.0	14
PBK 2,5/12/5,00-V GN	14352.1	17	PBK 4101/23/5,00-KD LG	13129.0	16	PBK 4291/9/3,50-KDVP LG	13317.0	14
PBK 2,5/12/7,50-H GN	14412.1	19	PBK 4101/24/5,00-KD LG	13130.0	16	PBK 5/1/11,50-H GN	14490.1	21
PBK 2,5/12/7,50-V GN	14392.1	19	PBK 4101/3/5,00-KD LG	13109.0	16	PBK 5/1/11,50-H GN	14491.1	21
PBK 2,5/2/5,00-H GN	14362.1	17	PBK 4101/4/5,00-KD LG	13110.0	16	PBK 5/1/7,50-H GN	14420.1	20
PBK 2,5/2/5,00-V GN	14342.1	17	PBK 4101/5/5,00-KD LG	13111.0	16	PBK 5/1/7,50-H GN	14421.1	20
PBK 2,5/2/7,50-H GN	14402.1	19	PBK 4101/6/5,00-KD LG	13112.0	16	PBK 5/1/7,50-H-VP GN	14440.1	20
PBK 2,5/2/7,50-V GN	14382.1	19	PBK 4101/7/5,00-KD LG	13113.0	16	PBK 5/1/7,50-H-VP GN	14441.1	20
PBK 2,5/3/5,00-H GN	14363.1	17	PBK 4101/8/5,00-KD LG	13114.0	16	PBK 5/10/11,50-H GN	14500.1	21
PBK 2,5/3/5,00-V GN	14343.1	17	PBK 4101/9/5,00-KD LG	13115.0	16	PBK 5/10/7,50-H GN	14430.1	20
PBK 2,5/3/7,50-H GN	14403.1	19	PBK 4191/10/2,50-KD LG	14560.0	12	PBK 5/10/7,50-H-VP GN	14450.1	20
PBK 2,5/3/7,50-V GN	14383.1	19	PBK 4191/10/2,50-KDVP LG	14580.0	12	PBK 5/11/11,50-H GN	14501.1	21
PBK 2,5/4/5,00-H GN	14364.1	17	PBK 4191/11/2,50-KD LG	14561.0	12	PBK 5/11/7,50-H GN	14431.1	20
PBK 2,5/4/5,00-V GN	14344.1	17	PBK 4191/11/2,50-KDVP LG	14581.0	12	PBK 5/11/7,50-H-VP GN	14451.1	20
PBK 2,5/4/7,50-H GN	14404.1	19	PBK 4191/12/2,50-KD LG	14562.0	12	PBK 5/11/7,50-H GN	14502.1	21
PBK 2,5/4/7,50-V GN	14384.1	19	PBK 4191/12/2,50-KDVP LG	14582.0	12	PBK 5/12/7,50-H GN	14432.1	20
PBK 2,5/5/5,00-H GN	14365.1	17	PBK 4191/2/2,50-KD LG	14552.0	12	PBK 5/12/7,50-H-VP GN	14452.1	20
PBK 2,5/5/5,00-V GN	14345.1	17	PBK 4191/2/2,50-KDVP LG	14572.0	12	PBK 5/2/11,50-H GN	14492.1	21
PBK 2,5/5/7,50-H GN	14405.1	19	PBK 4191/3/2,50-KD LG	14553.0	12	PBK 5/2/7,50-H GN	14422.1	20
PBK 2,5/5/7,50-V GN	14385.1	19	PBK 4191/3/2,50-KDVP LG	14573.0	12	PBK 5/2/7,50-H-VP GN	14442.1	20
PBK 2,5/6/5,00-H GN	14366.1	17	PBK 4191/4/2,50-KD LG	14554.0	12	PBK 5/3/11,50-H GN	14493.1	21
PBK 2,5/6/5,00-V GN	14346.1	17	PBK 4191/4/2,50-KDVP LG	14574.0	12	PBK 5/3/7,50-H GN	14423.1	20
PBK 2,5/6/7,50-H GN	14406.1	19	PBK 4191/5/2,50-KD LG	14555.0	12	PBK 5/3/7,50-H-VP GN	14443.1	20
PBK 2,5/6/7,50-V GN	14386.1	19	PBK 4191/5/2,50-KDVP LG	14575.0	12	PBK 5/4/11,50-H GN	14494.1	21
PBK 2,5/7/5,00-H GN	14367.1	17	PBK 4191/6/2,50-KD LG	14556.0	12	PBK 5/4/7,50-H GN	14424.1	20
PBK 2,5/7/5,00-V GN	14347.1	17	PBK 4191/6/2,50-KDVP LG	14576.0	12	PBK 5/4/7,50-H-VP GN	14444.1	20
PBK 2,5/7/7,50-H GN	14407.1	19	PBK 4191/7/2,50-KD LG	14557.0	12	PBK 5/5/11,50-H GN	14495.1	21
PBK 2,5/7/7,50-V GN	14387.1	19	PBK 4191/7/2,50-KDVP LG	14577.0	12	PBK 5/5/7,50-H GN	14425.1	20
PBK 2,5/8/5,00-H GN	14368.1	17	PBK 4191/8/2,50-KD LG	14558.0	12	PBK 5/5/7,50-H-VP GN	14445.1	20
PBK 2,5/8/5,00-V GN	14348.1	17	PBK 4191/8/2,50-KDVP LG	14578.0	12	PBK 5/6/11,50-H GN	14496.1	21
PBK 2,5/8/7,50-H GN	14408.1	19	PBK 4191/9/2,50-KD LG	14559.0	12	PBK 5/6/7,50-H GN	14426.1	20
PBK 2,5/8/7,50-V GN	14388.1	19	PBK 4191/9/2,50-KDVP LG	14579.0	12	PBK 5/6/7,50-H-VP GN	14446.1	20
PBK 2,5/9/5,00-H GN	14369.1	17	PBK 4291/10/3,50-KD LG	13294.0	14	PBK 5/7/11,50-H GN	14497.1	21
PBK 2,5/9/5,00-V GN	14349.1	17	PBK 4291/10/3,50-KDVP LG	13318.0	14	PBK 5/7/7,50-H GN	14427.1	20
PBK 2,5/9/7,50-H GN	14409.1	19	PBK 4291/11/3,50-KD LG	13295.0	14	PBK 5/7/7,50-H-VP GN	14447.1	20
PBK 2,5/9/7,50-V GN	14389.1	19	PBK 4291/11/3,50-KDVP LG	13319.0	14	PBK 5/8/11,50-H GN	14498.1	21
PBK 4091/1/KD 4,0-SMD WH	30741.7	22	PBK 4291/12/3,50-KD LG	13296.0	14	PBK 5/8/7,50-H GN	14428.1	20
PBK 4091/2/KD 4,0-SMD WH	30742.7	22	PBK 4291/12/3,50-KDVP LG	13320.0	14	PBK 5/8/7,50-H-VP GN	14448.1	20
PBK 4091/3/KD 4,0-SMD WH	30743.7	22	PBK 4291/13/3,50-KD LG	13297.0	14	PBK 5/9/11,50-H GN	14499.1	21
PBK 4091/4/KD 4,0-SMD WH	30744.7	22	PBK 4291/13/3,50-KDVP LG	13321.0	14	PBK 5/9/7,50-H GN	14429.1	20
PBK 4100/10/5,00 LG	13093.0	16	PBK 4291/14/3,50-KD LG	13298.0	14	PBK 5/9/7,50-H-VP GN	14449.1	20
PBK 4100/11/5,00 LG	13094.0	16	PBK 4291/14/3,50-KDVP LG	13322.0	14	PBKZ 4301/2/5,08-KD GN	13131.1	18
PBK 4100/12/5,00 LG	13095.0	16	PBK 4291/15/3,50-KD LG	13299.0	14	PBKZ 4301/3/5,08-KD GN	13132.1	18
PBK 4100/13/5,00 LG	13096.0	16	PBK 4291/15/3,50-KDVP LG	13323.0	14	PBKZ 4301/4/5,08-KD GN	13133.1	18
PBK 4100/14/5,00 LG	13097.0	16	PBK 4291/16/3,50-KD LG	13300.0	14	PBKZ 4301/5/5,08-KD GN	13134.1	18
PBK 4100/15/5,00 LG	13098.0	16	PBK 4291/16/3,50-KDVP LG	13324.0	14	PBKZ 4301/6/5,08-KD GN	13135.1	18
PBK 4100/16/5,00 LG	13099.0	16	PBK 4291/17/3,50-KD LG	13301.0	14	PBKZ 4301/7/5,08-KD GN	13136.1	18
PBK 4100/17/5,00 LG	13100.0	16	PBK 4291/17/3,50-KDVP LG	13325.0	14	PBKZ 4301/8/5,08-KD GN	13137.1	18
PBK 4100/18/5,00 LG	13101.0	16	PBK 4291/18/3,50-KD LG	13302.0	14	PBKZ 4701/10/3,81-H-KD GN	14660.1	15
PBK 4100/19/5,00 LG	13102.0	16	PBK 4291/18/3,50-KDVP LG	13326.0	14	PBKZ 4701/10/3,81-V-KD GN	14640.1	15
PBK 4100/2/5,00 LG	13085.0	16	PBK 4291/19/3,50-KD LG	13303.0	14	PBKZ 4701/11/3,81-H-KD GN	14661.1	15
PBK 4100/20/5,00 LG	13103.0	16	PBK 4291/19/3,50-KDVP LG	13327.0	14	PBKZ 4701/11/3,81-V-KD GN	14641.1	15
PBK 4100/21/5,00 LG	13104.0	16	PBK 4291/2/3,50-KD LG	13286.0	14	PBKZ 4701/12/3,81-H-KD GN	14662.1	15
PBK 4100/22/5,00 LG	13105.0	16	PBK 4291/2/3,50-KDVP LG	13310.0	14	PBKZ 4701/12/3,81-V-KD GN	14642.1	15
PBK 4100/23/5,00 LG	13106.0	16	PBK 4291/20/3,50-KD LG	13304.0	14	PBKZ 4701/2/3,81-H-KD GN	14652.1	15
PBK 4100/24/5,00 LG	13107.0	16	PBK 4291/20/3,50-KDVP LG	13328.0	14	PBKZ 4701/2/3,81-V-KD GN	14632.1	15
PBK 4100/3/5,00 LG	13086.0	16	PBK 4291/21/3,50-KD LG	13305.0	14	PBKZ 4701/3/3,81-H-KD GN	14653.1	15
PBK 4100/4/5,00 LG	13087.0	16	PBK 4291/21/3,50-KDVP LG	13329.0	14	PBKZ 4701/3/3,81-V-KD GN	14633.1	15
PBK 4100/5/5,00 LG	13088.0	16	PBK 4291/22/3,50-KD LG	13306.0	14	PBKZ 4701/4/3,81-H-KD GN	14654.1	15
PBK 4100/6/5,00 LG	13089.0	16	PBK 4291/22/3,50-KDVP LG	13330.0	14	PBKZ 4701/4/3,81-V-KD GN	14634.1	15
PBK 4100/7/5,00 LG	13090.0	16	PBK 4291/23/3,50-KD LG	13307.0	14	PBKZ 4701/5/3,81-H-KD GN	14655.1	15
PBK 4100/8/5,00 LG	13091.0	16	PBK 4291/23/3,50-KDVP LG	13331.0	14	PBKZ 4701/5/3,81-V-KD GN	14635.1	15
PBK 4100/9/5,00 LG	13092.0	16	PBK 4291/24/3,50-KD LG	13308.0	14	PBKZ 4701/6/3,81-H-KD GN	14656.1	15
PBK 4101/10/5,00-KD LG	13116.0	16	PBK 4291/24/3,50-KDVP LG	13332.0	14	PBKZ 4701/6/3,81-V-KD GN	14636.1	15
PBK 4101/11/5,00-KD LG	13117.0	16	PBK 4291/3/3,50-KD LG	13287.0	14	PBKZ 4701/7/3,81-H-KD GN	14657.1	15
PBK 4101/12/5,00-KD LG	13118.0	16	PBK 4291/3/3,50-KDVP LG	13311.0	14	PBKZ 4701/7/3,81-V-KD GN	14637.1	15
PBK 4101/13/5,00-KD LG	13119.0	16	PBK 4291/4/3,50-KD LG	13288.0	14	PBKZ 4701/8/3,81-H-KD GN	14658.1	15
PBK 4101/14/5,00-KD LG	13120.0	16	PBK 4291/4/3,50-KDVP LG	13312.0	14	PBKZ 4701/8/3,81-V-KD GN	14638.1	15
PBK 4101/15/5,00-KD LG	13121.0	16	PBK 4291/5/3,50-KD LG	13289.0	14	PBKZ 4701/9/3,81-H-KD GN	14659.1	15
PBK 4101/16/5,00-KD LG	13122.0	16	PBK 4291/5/3,50-KDVP LG	13313.0	14	PBKZ 4701/9/3,81-V-KD GN	14639.1	15
PBK 4101/17/5,00-KD LG	13123.0	16	PBK 4291/6/3,50-KD LG	13290.0	14	PBKZ 4791/10/2,54-H-KD GN	14620.1	13
PBK 4101/18/5,00-KD LG	13124.0	16	PBK 4291/6/3,50-KDVP LG	13314.0	14	PBKZ 4791/10/2,54-V-KD GN	14600.1	13
PBK 4101/19/5,00-KD LG	13125.0	16	PBK 4291/7/3,50-KD LG	13291.0	14	PBKZ 4791/11/2,54-H-KD GN	14621.1	13
PBK 4101/2/5,00-KD LG	13108.0	16	PBK 4291/7/3,50-KDVP LG	13315.0	14	PBKZ 4791/11/2,54-V-KD GN	14601.1	13

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PBKZ 4791/2/2,54-H-KD GN	14612.1	13	PBT 1200/24/5,0 GN	31444.1	120	PFB 4551/13/3,50-FKD GN	30293.1	89
PBKZ 4791/2/2,54-V-KD GN	14592.1	13	PBT 1200/24/5,0-F GN	31414.1	120	PFB 4551/13/3,50-KD GN	30273.1	89
PBKZ 4791/3/2,54-H-KD GN	14613.1	13	PBT 1200/24/5,08 GN	11376.1	121	PFB 4551/14/3,50-FKD GN	30294.1	89
PBKZ 4791/3/2,54-V-KD GN	14593.1	13	PBT 1200/24/5,08-F GN	31384.1	121	PFB 4551/14/3,50-KD GN	30274.1	89
PBKZ 4791/4/2,54-H-KD GN	14614.1	13	PBT 1200/3/5,0 GN	31423.1	120	PFB 4551/15/3,50-FKD GN	30295.1	89
PBKZ 4791/4/2,54-V-KD GN	14594.1	13	PBT 1200/3/5,0-F GN	31393.1	120	PFB 4551/15/3,50-KD GN	30275.1	89
PBKZ 4791/5/2,54-H-KD GN	14615.1	13	PBT 1200/3/5,08 GN	11355.1	121	PFB 4551/16/3,50-FKD GN	30296.1	89
PBKZ 4791/5/2,54-V-KD GN	14595.1	13	PBT 1200/3/5,08-F GN	31363.1	121	PFB 4551/16/3,50-KD GN	30276.1	89
PBKZ 4791/6/2,54-H-KD GN	14616.1	13	PBT 1200/4/5,0 GN	31424.1	120	PFB 4551/17/3,50-FKD GN	30297.1	89
PBKZ 4791/6/2,54-V-KD GN	14596.1	13	PBT 1200/4/5,0-F GN	31394.1	120	PFB 4551/17/3,50-KD GN	30277.1	89
PBKZ 4791/7/2,54-H-KD GN	14617.1	13	PBT 1200/4/5,08 GN	11356.1	121	PFB 4551/18/3,50-FKD GN	30298.1	89
PBKZ 4791/7/2,54-V-KD GN	14597.1	13	PBT 1200/4/5,08-F GN	31364.1	121	PFB 4551/18/3,50-KD GN	30278.1	89
PBKZ 4791/8/2,54-H-KD GN	14618.1	13	PBT 1200/5/5,0 GN	31425.1	120	PFB 4551/19/3,50-FKD GN	30299.1	89
PBKZ 4791/8/2,54-V-KD GN	14598.1	13	PBT 1200/5/5,0-F GN	31395.1	120	PFB 4551/19/3,50-KD GN	30279.1	89
PBKZ 4791/9/2,54-H-KD GN	14619.1	13	PBT 1200/5/5,08 GN	11357.1	121	PFB 4551/2/3,50-FKD GN	30282.1	89
PBKZ 4791/9/2,54-V-KD GN	14599.1	13	PBT 1200/5/5,08-F GN	31365.1	121	PFB 4551/2/3,50-KD GN	30262.1	89
PBT 1200/10/5,0 GN	31430.1	120	PBT 1200/6/5,0 GN	31426.1	120	PFB 4551/20/3,50-FKD GN	30300.1	89
PBT 1200/10/5,0-F GN	31400.1	120	PBT 1200/6/5,0-F GN	31396.1	120	PFB 4551/20/3,50-KD GN	30280.1	89
PBT 1200/10/5,08 GN	11362.1	121	PBT 1200/6/5,08 GN	11358.1	121	PFB 4551/3/3,50-FKD GN	30283.1	89
PBT 1200/10/5,08-F GN	31370.1	121	PBT 1200/6/5,08-F GN	31366.1	121	PFB 4551/3/3,50-KD GN	30263.1	89
PBT 1200/11/5,0 GN	31431.1	120	PBT 1200/7/5,0 GN	31427.1	120	PFB 4551/4/3,50-FKD GN	30284.1	89
PBT 1200/11/5,0-F GN	31401.1	120	PBT 1200/7/5,0-F GN	31397.1	120	PFB 4551/4/3,50-KD GN	30264.1	89
PBT 1200/11/5,08 GN	11363.1	121	PBT 1200/7/5,08 GN	11359.1	121	PFB 4551/5/3,50-FKD GN	30285.1	89
PBT 1200/11/5,08-F GN	31371.1	121	PBT 1200/7/5,08-F GN	31367.1	121	PFB 4551/5/3,50-KD GN	30265.1	89
PBT 1200/12/5,0 GN	31432.1	120	PBT 1200/8/5,0 GN	31428.1	120	PFB 4551/6/3,50-FKD GN	30286.1	89
PBT 1200/12/5,0-F GN	31402.1	120	PBT 1200/8/5,0-F GN	31398.1	120	PFB 4551/6/3,50-KD GN	30266.1	89
PBT 1200/12/5,08 GN	11364.1	121	PBT 1200/8/5,08 GN	11360.1	121	PFB 4551/7/3,50-FKD GN	30287.1	89
PBT 1200/12/5,08-F GN	31372.1	121	PBT 1200/8/5,08-F GN	31368.1	121	PFB 4551/7/3,50-KD GN	30267.1	89
PBT 1200/13/5,0 GN	31433.1	120	PBT 1200/9/5,0 GN	31429.1	120	PFB 4551/8/3,50-FKD GN	30288.1	89
PBT 1200/13/5,0-F GN	31403.1	120	PBT 1200/9/5,0-F GN	31399.1	120	PFB 4551/8/3,50-KD GN	30268.1	89
PBT 1200/13/5,08 GN	11365.1	121	PBT 1200/9/5,08 GN	11361.1	121	PFB 4551/9/3,50-FKD GN	30289.1	89
PBT 1200/13/5,08-F GN	31373.1	121	PBT 1200/9/5,08-F GN	31369.1	121	PFB 4551/9/3,50-KD GN	30269.1	89
PBT 1200/14/5,0 GN	31434.1	120	PFB 4541/10/3,50-FRKD GN	31660.1	88	PFB 4561/10/3,50-FKD GN	30330.1	90
PBT 1200/14/5,0-F GN	31404.1	120	PFB 4541/10/3,50-KD GN	31640.1	88	PFB 4561/10/3,50-KD GN	30310.1	90
PBT 1200/14/5,08 GN	11366.1	121	PFB 4541/11/3,50-FRKD GN	31661.1	88	PFB 4561/11/3,50-FKD GN	30331.1	90
PBT 1200/14/5,08-F GN	31374.1	121	PFB 4541/11/3,50-KD GN	31641.1	88	PFB 4561/11/3,50-KD GN	30311.1	90
PBT 1200/15/5,0 GN	31435.1	120	PFB 4541/12/3,50-FRKD GN	31662.1	88	PFB 4561/12/3,50-FKD GN	30332.1	90
PBT 1200/15/5,0-F GN	31405.1	120	PFB 4541/12/3,50-KD GN	31642.1	88	PFB 4561/12/3,50-KD GN	30312.1	90
PBT 1200/15/5,08 GN	11367.1	121	PFB 4541/13/3,50-FRKD GN	31663.1	88	PFB 4561/13/3,50-FKD GN	30333.1	90
PBT 1200/15/5,08-F GN	31375.1	121	PFB 4541/13/3,50-KD GN	31643.1	88	PFB 4561/13/3,50-KD GN	30313.1	90
PBT 1200/16/5,0 GN	31436.1	120	PFB 4541/14/3,50-FRKD GN	31664.1	88	PFB 4561/14/3,50-FKD GN	30334.1	90
PBT 1200/16/5,0-F GN	31406.1	120	PFB 4541/14/3,50-KD GN	31644.1	88	PFB 4561/14/3,50-KD GN	30314.1	90
PBT 1200/16/5,08 GN	11368.1	121	PFB 4541/15/3,50-FRKD GN	31665.1	88	PFB 4561/15/3,50-FKD GN	30335.1	90
PBT 1200/16/5,08-F GN	31376.1	121	PFB 4541/15/3,50-KD GN	31645.1	88	PFB 4561/15/3,50-KD GN	30315.1	90
PBT 1200/17/5,0 GN	31437.1	120	PFB 4541/16/3,50-FRKD GN	31666.1	88	PFB 4561/16/3,50-FKD GN	30336.1	90
PBT 1200/17/5,0-F GN	31407.1	120	PFB 4541/16/3,50-KD GN	31646.1	88	PFB 4561/16/3,50-KD GN	30316.1	90
PBT 1200/17/5,08 GN	11369.1	121	PFB 4541/17/3,50-FRKD GN	31667.1	88	PFB 4561/17/3,50-FKD GN	30337.1	90
PBT 1200/17/5,08-F GN	31377.1	121	PFB 4541/17/3,50-KD GN	31647.1	88	PFB 4561/17/3,50-KD GN	30317.1	90
PBT 1200/18/5,0 GN	31438.1	120	PFB 4541/18/3,50-FRKD GN	31668.1	88	PFB 4561/18/3,50-FKD GN	30338.1	90
PBT 1200/18/5,0-F GN	31408.1	120	PFB 4541/18/3,50-KD GN	31648.1	88	PFB 4561/18/3,50-KD GN	30318.1	90
PBT 1200/18/5,08 GN	11370.1	121	PFB 4541/19/3,50-FRKD GN	31669.1	88	PFB 4561/19/3,50-FKD GN	30339.1	90
PBT 1200/18/5,08-F GN	31378.1	121	PFB 4541/19/3,50-KD GN	31649.1	88	PFB 4561/19/3,50-KD GN	30319.1	90
PBT 1200/19/5,0 GN	31439.1	120	PFB 4541/2/3,50-FRKD GN	31652.1	88	PFB 4561/2/3,50-FKD GN	30322.1	90
PBT 1200/19/5,0-F GN	31409.1	120	PFB 4541/2/3,50-KD GN	31632.1	88	PFB 4561/2/3,50-KD GN	30302.1	90
PBT 1200/19/5,08 GN	11371.1	121	PFB 4541/20/3,50-FRKD GN	31670.1	88	PFB 4561/20/3,50-FKD GN	30340.1	90
PBT 1200/19/5,08-F GN	31379.1	121	PFB 4541/20/3,50-KD GN	31650.1	88	PFB 4561/20/3,50-KD GN	30320.1	90
PBT 1200/2/5,0 GN	31422.1	120	PFB 4541/3/3,50-FRKD GN	31653.1	88	PFB 4561/3/3,50-FKD GN	30323.1	90
PBT 1200/2/5,0-F GN	31392.1	120	PFB 4541/3/3,50-KD GN	31633.1	88	PFB 4561/3/3,50-KD GN	30303.1	90
PBT 1200/2/5,08 GN	11354.1	121	PFB 4541/4/3,50-FRKD GN	31654.1	88	PFB 4561/4/3,50-FKD GN	30324.1	90
PBT 1200/2/5,08-F GN	31362.1	121	PFB 4541/4/3,50-KD GN	31634.1	88	PFB 4561/4/3,50-KD GN	30304.1	90
PBT 1200/20/5,0 GN	31440.1	120	PFB 4541/5/3,50-FRKD GN	31655.1	88	PFB 4561/5/3,50-FKD GN	30325.1	90
PBT 1200/20/5,0-F GN	31410.1	120	PFB 4541/5/3,50-KD GN	31635.1	88	PFB 4561/5/3,50-KD GN	30305.1	90
PBT 1200/20/5,08 GN	11372.1	121	PFB 4541/6/3,50-FRKD GN	31656.1	88	PFB 4561/6/3,50-FKD GN	30326.1	90
PBT 1200/20/5,08-F GN	31380.1	121	PFB 4541/6/3,50-KD GN	31636.1	88	PFB 4561/6/3,50-KD GN	30306.1	90
PBT 1200/21/5,0 GN	31441.1	120	PFB 4541/7/3,50-FRKD GN	31657.1	88	PFB 4561/7/3,50-FKD GN	30327.1	90
PBT 1200/21/5,0-F GN	31411.1	120	PFB 4541/7/3,50-KD GN	31637.1	88	PFB 4561/7/3,50-KD GN	30307.1	90
PBT 1200/21/5,08 GN	11373.1	121	PFB 4541/8/3,50-FRKD GN	31658.1	88	PFB 4561/8/3,50-FKD GN	30328.1	90
PBT 1200/21/5,08-F GN	31381.1	121	PFB 4541/8/3,50-KD GN	31638.1	88	PFB 4561/8/3,50-KD GN	30308.1	90
PBT 1200/22/5,0 GN	31442.1	120	PFB 4541/9/3,50-FRKD GN	31659.1	88	PFB 4561/9/3,50-FKD GN	30329.1	90
PBT 1200/22/5,0-F GN	31412.1	120	PFB 4541/9/3,50-KD GN	31639.1	88	PFB 4561/9/3,50-KD GN	30309.1	90
PBT 1200/22/5,08 GN	11374.1	121	PFB 4551/10/3,50-FKD GN	30290.1	89	PFB 4951/10/5,00-FKD GN	30450.1	93
PBT 1200/22/5,08-F GN	31382.1	121	PFB 4551/10/3,50-KD GN	30270.1	89	PFB 4951/10/5,00-KD GN	30390.1	93
PBT 1200/23/5,0 GN	31443.1	120	PFB 4551/11/3,50-FKD GN	30291.1	89	PFB 4951/11/5,00-FKD GN	30451.1	93
PBT 1200/23/5,0-F GN	31413.1	120	PFB 4551/11/3,50-KD GN	30271.1	89	PFB 4951/11/5,00-KD GN	30391.1	93

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PFB 4951/12/5,00-KD GN	30392.1	93	PFBZ 4551/6/7,62-KD GN	30756.1	96	PFBZ 4951/21/5,08-KD GN	30431.1	94
PFB 4951/13/5,00-FKD GN	30453.1	93	PFBZ 4551/7/3,81-FKD GN	14020.1	91	PFBZ 4951/22/5,08-FKD GN	30492.1	94
PFB 4951/13/5,00-KD GN	30393.1	93	PFBZ 4551/7/3,81-KD GN	14005.1	91	PFBZ 4951/22/5,08-KD GN	30432.1	94
PFB 4951/14/5,00-FKD GN	30454.1	93	PFBZ 4551/7/7,62-FKD GN	30767.1	96	PFBZ 4951/23/5,08-FKD GN	30493.1	94
PFB 4951/14/5,00-KD GN	30394.1	93	PFBZ 4551/7/7,62-KD GN	30757.1	96	PFBZ 4951/23/5,08-KD GN	30433.1	94
PFB 4951/15/5,00-FKD GN	30455.1	93	PFBZ 4551/8/3,81-FKD GN	14021.1	91	PFBZ 4951/24/5,08-FKD GN	30494.1	94
PFB 4951/15/5,00-KD GN	30395.1	93	PFBZ 4551/8/3,81-KD GN	14006.1	91	PFBZ 4951/24/5,08-KD GN	30434.1	94
PFB 4951/16/5,00-FKD GN	30456.1	93	PFBZ 4551/8/7,62-FKD GN	30768.1	96	PFBZ 4951/3/5,08-FKD GN	30473.1	94
PFB 4951/16/5,00-KD GN	30396.1	93	PFBZ 4551/8/7,62-KD GN	30758.1	96	PFBZ 4951/3/5,08-KD GN	30413.1	94
PFB 4951/17/5,00-FKD GN	30457.1	93	PFBZ 4551/9/3,81-FKD GN	14022.1	91	PFBZ 4951/4/5,08-FKD GN	30474.1	94
PFB 4951/17/5,00-KD GN	30397.1	93	PFBZ 4551/9/3,81-KD GN	14007.1	91	PFBZ 4951/4/5,08-KD GN	30414.1	94
PFB 4951/18/5,00-FKD GN	30458.1	93	PFBZ 4551/9/7,62-FKD GN	30769.1	96	PFBZ 4951/5/5,08-FKD GN	30475.1	94
PFB 4951/18/5,00-KD GN	30398.1	93	PFBZ 4551/9/7,62-KD GN	30759.1	96	PFBZ 4951/5/5,08-KD GN	30415.1	94
PFB 4951/19/5,00-FKD GN	30459.1	93	PFBZ 4561/10/3,81-FKD GN	30370.1	92	PFBZ 4951/6/5,08-FKD GN	30476.1	94
PFB 4951/19/5,00-KD GN	30399.1	93	PFBZ 4561/10/3,81-KD GN	30350.1	92	PFBZ 4951/6/5,08-KD GN	30416.1	94
PFB 4951/2/5,00-FKD GN	30442.1	93	PFBZ 4561/11/3,81-FKD GN	30371.1	92	PFBZ 4951/7/5,08-FKD GN	30477.1	94
PFB 4951/2/5,00-KD GN	30382.1	93	PFBZ 4561/11/3,81-KD GN	30351.1	92	PFBZ 4951/7/5,08-KD GN	30417.1	94
PFB 4951/20/5,00-FKD GN	30460.1	93	PFBZ 4561/12/3,81-FKD GN	30372.1	92	PFBZ 4951/8/5,08-FKD GN	30478.1	94
PFB 4951/20/5,00-KD GN	30400.1	93	PFBZ 4561/12/3,81-KD GN	30352.1	92	PFBZ 4951/8/5,08-KD GN	30418.1	94
PFB 4951/21/5,00-FKD GN	30461.1	93	PFBZ 4561/13/3,81-FKD GN	30373.1	92	PFBZ 4951/9/5,08-FKD GN	30479.1	94
PFB 4951/21/5,00-KD GN	30401.1	93	PFBZ 4561/13/3,81-KD GN	30353.1	92	PFBZ 4951/9/5,08-KD GN	30419.1	94
PFB 4951/22/5,00-FKD GN	30462.1	93	PFBZ 4561/14/3,81-FKD GN	30374.1	92	PFBZ 4961/10/7,62-FKD GN	31610.1	95
PFB 4951/22/5,00-KD GN	30402.1	93	PFBZ 4561/14/3,81-KD GN	30354.1	92	PFBZ 4961/10/7,62-KD GN	31510.1	95
PFB 4951/23/5,00-FKD GN	30463.1	93	PFBZ 4561/15/3,81-FKD GN	30375.1	92	PFBZ 4961/11/7,62-FKD GN	31611.1	95
PFB 4951/23/5,00-KD GN	30403.1	93	PFBZ 4561/15/3,81-KD GN	30355.1	92	PFBZ 4961/11/7,62-KD GN	31511.1	95
PFB 4951/24/5,00-FKD GN	30464.1	93	PFBZ 4561/16/3,81-FKD GN	30376.1	92	PFBZ 4961/12/7,62-FKD GN	31612.1	95
PFB 4951/24/5,00-KD GN	30404.1	93	PFBZ 4561/16/3,81-KD GN	30356.1	92	PFBZ 4961/12/7,62-KD GN	31512.1	95
PFB 4951/3/5,00-FKD GN	30443.1	93	PFBZ 4561/17/3,81-FKD GN	30377.1	92	PFBZ 4961/2/7,62-FKD GN	31602.1	95
PFB 4951/3/5,00-KD GN	30383.1	93	PFBZ 4561/17/3,81-KD GN	30357.1	92	PFBZ 4961/2/7,62-KD GN	31502.1	95
PFB 4951/4/5,00-FKD GN	30444.1	93	PFBZ 4561/18/3,81-FKD GN	30378.1	92	PFBZ 4961/3/7,62-FKD GN	31603.1	95
PFB 4951/4/5,00-KD GN	30384.1	93	PFBZ 4561/18/3,81-KD GN	30358.1	92	PFBZ 4961/3/7,62-KD GN	31503.1	95
PFB 4951/5/5,00-FKD GN	30445.1	93	PFBZ 4561/19/3,81-FKD GN	30379.1	92	PFBZ 4961/4/7,62-FKD GN	31604.1	95
PFB 4951/5/5,00-KD GN	30385.1	93	PFBZ 4561/19/3,81-KD GN	30359.1	92	PFBZ 4961/4/7,62-KD GN	31504.1	95
PFB 4951/6/5,00-FKD GN	30446.1	93	PFBZ 4561/2/3,81-FKD GN	30362.1	92	PFBZ 4961/5/7,62-FKD GN	31605.1	95
PFB 4951/6/5,00-KD GN	30386.1	93	PFBZ 4561/2/3,81-KD GN	30342.1	92	PFBZ 4961/5/7,62-KD GN	31505.1	95
PFB 4951/7/5,00-FKD GN	30447.1	93	PFBZ 4561/20/3,81-FKD GN	30380.1	92	PFBZ 4961/6/7,62-FKD GN	31606.1	95
PFB 4951/7/5,00-KD GN	30387.1	93	PFBZ 4561/20/3,81-KD GN	30360.1	92	PFBZ 4961/6/7,62-KD GN	31506.1	95
PFB 4951/8/5,00-FKD GN	30448.1	93	PFBZ 4561/3/3,81-FKD GN	30363.1	92	PFBZ 4961/7/7,62-FKD GN	31607.1	95
PFB 4951/8/5,00-KD GN	30388.1	93	PFBZ 4561/3/3,81-KD GN	30343.1	92	PFBZ 4961/7/7,62-KD GN	31507.1	95
PFB 4951/9/5,00-FKD GN	30449.1	93	PFBZ 4561/4/3,81-FKD GN	30364.1	92	PFBZ 4961/8/7,62-FKD GN	31608.1	95
PFB 4951/9/5,00-KD GN	30389.1	93	PFBZ 4561/4/3,81-KD GN	30344.1	92	PFBZ 4961/8/7,62-KD GN	31508.1	95
PFBZ 4551/10/3,81-FKD GN	14023.1	91	PFBZ 4561/5/3,81-FKD GN	30365.1	92	PFBZ 4961/9/7,62-FKD GN	31609.1	95
PFBZ 4551/10/3,81-KD GN	14008.1	91	PFBZ 4561/5/3,81-KD GN	30345.1	92	PFBZ 4961/9/7,62-KD GN	31509.1	95
PFBZ 4551/10/7,62-FKD GN	30770.1	96	PFBZ 4561/6/3,81-FKD GN	30366.1	92	PK 100/10/10,00-H GN	10042.1	80
PFBZ 4551/10/7,62-KD GN	30760.1	96	PFBZ 4561/6/3,81-KD GN	30346.1	92	PK 100/10/10,00-V DG	10031.4	79
PFBZ 4551/11/3,81-FKD GN	14024.1	91	PFBZ 4561/7/3,81-FKD GN	30367.1	92	PK 100/10/10,00-V GN	10031.1	79
PFBZ 4551/11/3,81-KD GN	14009.1	91	PFBZ 4561/7/3,81-KD GN	30347.1	92	PK 100/10/5,00-H DG	10020.4	70
PFBZ 4551/12/3,81-FKD GN	14025.1	91	PFBZ 4561/8/3,81-FKD GN	30368.1	92	PK 100/10/5,00-H GN	10020.1	70
PFBZ 4551/12/3,81-KD GN	14010.1	91	PFBZ 4561/8/3,81-KD GN	30348.1	92	PK 100/10/5,00-H-BL DG	10064.4	71
PFBZ 4551/13/3,81-FKD GN	14026.1	91	PFBZ 4561/9/3,81-FKD GN	30369.1	92	PK 100/10/5,00-H-BL GN	10064.1	71
PFBZ 4551/13/3,81-KD GN	14011.1	91	PFBZ 4561/9/3,81-KD GN	30349.1	92	PK 100/10/5,00-V DG	10009.4	70
PFBZ 4551/14/3,81-FKD GN	14027.1	91	PFBZ 4951/10/5,08-FKD GN	30480.1	94	PK 100/10/5,00-V GN	10009.1	70
PFBZ 4551/14/3,81-KD GN	14012.1	91	PFBZ 4951/10/5,08-KD GN	30420.1	94	PK 100/10/5,00-V-BL DG	10053.4	71
PFBZ 4551/15/3,81-FKD GN	14028.1	91	PFBZ 4951/11/5,08-FKD GN	30481.1	94	PK 100/10/5,00-V-BL GN	10053.1	71
PFBZ 4551/15/3,81-KD GN	14013.1	91	PFBZ 4951/11/5,08-KD GN	30421.1	94	PK 100/11/10,00-H GN	10043.1	80
PFBZ 4551/16/3,81-FKD GN	14029.1	91	PFBZ 4951/12/5,08-FKD GN	30482.1	94	PK 100/11/10,00-V DG	10032.4	79
PFBZ 4551/16/3,81-KD GN	14014.1	91	PFBZ 4951/12/5,08-KD GN	30422.1	94	PK 100/11/10,00-V GN	10032.1	79
PFBZ 4551/2/3,81-FKD GN	14015.1	91	PFBZ 4951/13/5,08-FKD GN	30483.1	94	PK 100/11/5,00-H DG	10021.4	70
PFBZ 4551/2/3,81-KD GN	14000.1	91	PFBZ 4951/13/5,08-KD GN	30423.1	94	PK 100/11/5,00-H GN	10021.1	70
PFBZ 4551/2/7,62-FKD GN	30762.1	96	PFBZ 4951/14/5,08-FKD GN	30484.1	94	PK 100/11/5,00-H-BL DG	10065.4	71
PFBZ 4551/2/7,62-KD GN	30752.1	96	PFBZ 4951/14/5,08-KD GN	30424.1	94	PK 100/11/5,00-H-BL GN	10065.1	71
PFBZ 4551/3/3,81-FKD GN	14016.1	91	PFBZ 4951/15/5,08-FKD GN	30485.1	94	PK 100/11/5,00-V DG	10010.4	70
PFBZ 4551/3/3,81-KD GN	14001.1	91	PFBZ 4951/15/5,08-KD GN	30425.1	94	PK 100/11/5,00-V GN	10010.1	70
PFBZ 4551/3/7,62-FKD GN	30763.1	96	PFBZ 4951/16/5,08-FKD GN	30486.1	94	PK 100/11/5,00-V-BL DG	10054.4	71
PFBZ 4551/3/7,62-KD GN	30753.1	96	PFBZ 4951/16/5,08-KD GN	30426.1	94	PK 100/11/5,00-V-BL GN	10054.1	71
PFBZ 4551/4/3,81-FKD GN	14017.1	91	PFBZ 4951/17/5,08-FKD GN	30487.1	94	PK 100/12/10,00-H GN	10044.1	80
PFBZ 4551/4/3,81-KD GN	14002.1	91	PFBZ 4951/17/5,08-KD GN	30427.1	94	PK 100/12/10,00-V DG	10033.4	79
PFBZ 4551/4/7,62-FKD GN	30764.1	96	PFBZ 4951/18/5,08-FKD GN	30488.1	94	PK 100/12/10,00-V GN	10033.1	79
PFBZ 4551/4/7,62-KD GN	30754.1	96	PFBZ 4951/18/5,08-KD GN	30428.1	94	PK 100/12/5,00-H DG	10022.4	70
PFBZ 4551/5/3,81-FKD GN	14018.1	91	PFBZ 4951/19/5,08-FKD GN	30489.1	94	PK 100/12/5,00-H GN	10022.1	70
PFBZ 4551/5/3,81-KD GN	14003.1	91	PFBZ 4951/19/5,08-KD GN	30429.1	94	PK 100/12/5,00-H-BL DG	10066.4	71
PFBZ 4551/5/7,62-FKD GN	30765.1	96	PFBZ 4951/2/5,08-FKD GN	30472.1	94	PK 100/12/5,00-H-BL GN	10066.1	71
PFBZ 4551/5/7,62-KD GN	30755.1	96	PFBZ 4951/2/5,08-KD GN	30412.1	94	PK 100/12/5,00-V DG	10011.4	70
PFBZ 4551/6/3,81-FKD GN	14019.1	91	PFBZ 4951/20/5,08-FKD GN	30490.1	94	PK 100/12/5,00-V GN	10011.1	70
PFBZ 4551/6/3,81-KD GN	14004.1	91	PFBZ 4951/20/5,08-KD GN	30430.1	94	PK 100/12/5,00-V-BL DG	10055.4	71

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PK 100/13/10,00-H GN	13509.1	80	PK 100/19/5,00-V GN	12391.1	70	PK 100/3/10,00-V GN	10024.1	79
PK 100/13/10,00-V DG	13497.4	79	PK 100/19/5,00-V-BL DG	12427.4	71	PK 100/3/5,00-H DG	10013.4	70
PK 100/13/10,00-V GN	13497.1	79	PK 100/19/5,00-V-BL GN	12427.1	71	PK 100/3/5,00-H GN	10013.1	70
PK 100/13/5,00-H DG	12373.4	70	PK 100/2/10,00-H GN	10034.1	80	PK 100/3/5,00-H-BL DG	10057.4	71
PK 100/13/5,00-H GN	12373.1	70	PK 100/2/10,00-V DG	10023.4	79	PK 100/3/5,00-H-BL GN	10057.1	71
PK 100/13/5,00-H-BL DG	12433.4	71	PK 100/2/10,00-V GN	10023.1	79	PK 100/3/5,00-V DG	10002.4	70
PK 100/13/5,00-H-BL GN	12433.1	71	PK 100/2/5,00-H DG	10012.4	70	PK 100/3/5,00-V GN	10002.1	70
PK 100/13/5,00-V DG	12385.4	70	PK 100/2/5,00-H GN	10012.1	70	PK 100/3/5,00-V-BL DG	10046.4	71
PK 100/13/5,00-V GN	12385.1	70	PK 100/2/5,00-H-BL DG	10056.4	71	PK 100/3/5,00-V-BL GN	10046.1	71
PK 100/13/5,00-V-BL DG	12421.4	71	PK 100/2/5,00-H-BL GN	10056.1	71	PK 100/4/10,00-H GN	10036.1	80
PK 100/13/5,00-V-BL GN	12421.1	71	PK 100/2/5,00-V DG	10001.4	70	PK 100/4/10,00-V DG	10025.4	79
PK 100/14/10,00-H GN	13510.1	80	PK 100/2/5,00-V GN	10001.1	70	PK 100/4/10,00-V GN	10025.1	79
PK 100/14/10,00-V DG	13498.4	79	PK 100/2/5,00-V-BL DG	10045.4	71	PK 100/4/5,00-H DG	10014.4	70
PK 100/14/10,00-V GN	13498.1	79	PK 100/2/5,00-V-BL GN	10045.1	71	PK 100/4/5,00-H GN	10014.1	70
PK 100/14/5,00-H DG	12374.4	70	PK 100/2/5,00-V-BL DG	13516.4	80	PK 100/4/5,00-H-BL DG	10058.4	71
PK 100/14/5,00-H GN	12374.1	70	PK 100/20/10,00-H GN	13516.1	80	PK 100/4/5,00-H-BL GN	10058.1	71
PK 100/14/5,00-H-BL DG	12434.4	71	PK 100/20/10,00-V DG	13504.4	79	PK 100/4/5,00-V DG	10003.4	70
PK 100/14/5,00-H-BL GN	12434.1	71	PK 100/20/10,00-V GN	13504.1	79	PK 100/4/5,00-V GN	10003.1	70
PK 100/14/5,00-V DG	12386.4	70	PK 100/20/5,00-H DG	12380.4	70	PK 100/4/5,00-V-BL DG	10047.4	71
PK 100/14/5,00-V GN	12386.1	70	PK 100/20/5,00-H GN	12380.1	70	PK 100/4/5,00-V-BL GN	10047.1	71
PK 100/14/5,00-V-BL DG	12422.4	71	PK 100/20/5,00-H-BL DG	12440.4	71	PK 100/5/10,00-H GN	10037.1	80
PK 100/14/5,00-V-BL GN	12422.1	71	PK 100/20/5,00-H-BL GN	12440.1	71	PK 100/5/10,00-V DG	10026.4	79
PK 100/15/10,00-H GN	13511.1	80	PK 100/20/5,00-V DG	12392.4	70	PK 100/5/10,00-V GN	10026.1	79
PK 100/15/10,00-V DG	13499.4	79	PK 100/20/5,00-V GN	12392.1	70	PK 100/5/5,00-H DG	10015.4	70
PK 100/15/10,00-V GN	13499.1	79	PK 100/20/5,00-V-BL DG	12428.4	71	PK 100/5/5,00-H GN	10015.1	70
PK 100/15/5,00-H DG	12375.4	70	PK 100/20/5,00-V-BL GN	12428.1	71	PK 100/5/5,00-H-BL DG	10059.4	71
PK 100/15/5,00-H GN	12375.1	70	PK 100/21/10,00-H DG	13517.4	80	PK 100/5/5,00-H-BL GN	10059.1	71
PK 100/15/5,00-H-BL DG	12435.4	71	PK 100/21/10,00-H GN	13517.1	80	PK 100/5/5,00-V DG	10004.4	70
PK 100/15/5,00-H-BL GN	12435.1	71	PK 100/21/10,00-V DG	13505.4	79	PK 100/5/5,00-V GN	10004.1	70
PK 100/15/5,00-V DG	12387.4	70	PK 100/21/10,00-V GN	13505.1	79	PK 100/5/5,00-V-BL DG	10048.4	71
PK 100/15/5,00-V GN	12387.1	70	PK 100/21/5,00-H DG	12381.4	70	PK 100/5/5,00-V-BL GN	10048.1	71
PK 100/15/5,00-V-BL DG	12423.4	71	PK 100/21/5,00-H GN	12381.1	70	PK 100/6/10,00-H GN	10038.1	80
PK 100/15/5,00-V-BL GN	12423.1	71	PK 100/21/5,00-H-BL DG	12441.4	71	PK 100/6/10,00-V DG	10027.4	79
PK 100/16/10,00-H GN	13512.1	80	PK 100/21/5,00-H-BL GN	12441.1	71	PK 100/6/10,00-V GN	10027.1	79
PK 100/16/10,00-V DG	13500.4	79	PK 100/21/5,00-V DG	12393.4	70	PK 100/6/5,00-H DG	10016.4	70
PK 100/16/10,00-V GN	13500.1	79	PK 100/21/5,00-V GN	12393.1	70	PK 100/6/5,00-H GN	10016.1	70
PK 100/16/5,00-H DG	12376.4	70	PK 100/21/5,00-V-BL DG	12429.4	71	PK 100/6/5,00-H-BL DG	10060.4	71
PK 100/16/5,00-H GN	12376.1	70	PK 100/21/5,00-V-BL GN	12429.1	71	PK 100/6/5,00-H-BL GN	10060.1	71
PK 100/16/5,00-H-BL DG	12436.4	71	PK 100/22/10,00-H DG	13518.4	80	PK 100/6/5,00-V DG	10005.4	70
PK 100/16/5,00-H-BL GN	12436.1	71	PK 100/22/10,00-H GN	13518.1	80	PK 100/6/5,00-V GN	10005.1	70
PK 100/16/5,00-V DG	12388.4	70	PK 100/22/10,00-V DG	13506.4	79	PK 100/6/5,00-V-BL DG	10049.4	71
PK 100/16/5,00-V GN	12388.1	70	PK 100/22/10,00-V GN	13506.1	79	PK 100/6/5,00-V-BL GN	10049.1	71
PK 100/16/5,00-V-BL DG	12424.4	71	PK 100/22/5,00-H DG	12382.4	70	PK 100/7/10,00-H GN	10039.1	80
PK 100/16/5,00-V-BL GN	12424.1	71	PK 100/22/5,00-H GN	12382.1	70	PK 100/7/10,00-V DG	10028.4	79
PK 100/17/10,00-H GN	13513.1	80	PK 100/22/5,00-H-BL DG	12442.4	71	PK 100/7/10,00-V GN	10028.1	79
PK 100/17/10,00-V DG	13501.4	79	PK 100/22/5,00-H-BL GN	12442.1	71	PK 100/7/5,00-H DG	10017.4	70
PK 100/17/10,00-V GN	13501.1	79	PK 100/22/5,00-V DG	12394.4	70	PK 100/7/5,00-H GN	10017.1	70
PK 100/17/5,00-H DG	12377.4	70	PK 100/22/5,00-V GN	12394.1	70	PK 100/7/5,00-H-BL DG	10061.4	71
PK 100/17/5,00-H GN	12377.1	70	PK 100/22/5,00-V-BL DG	12430.4	71	PK 100/7/5,00-H-BL GN	10061.1	71
PK 100/17/5,00-H-BL DG	12437.4	71	PK 100/22/5,00-V-BL GN	12430.1	71	PK 100/7/5,00-V DG	10006.4	70
PK 100/17/5,00-H-BL GN	12437.1	71	PK 100/23/10,00-H DG	13519.4	80	PK 100/7/5,00-V GN	10006.1	70
PK 100/17/5,00-V DG	12389.4	70	PK 100/23/10,00-H GN	13519.1	80	PK 100/7/5,00-V-BL DG	10050.4	71
PK 100/17/5,00-V GN	12389.1	70	PK 100/23/10,00-V DG	13507.4	79	PK 100/7/5,00-V-BL GN	10050.1	71
PK 100/17/5,00-V-BL DG	12425.4	71	PK 100/23/10,00-V GN	13507.1	79	PK 100/8/10,00-H GN	10040.1	80
PK 100/17/5,00-V-BL GN	12425.1	71	PK 100/23/5,00-H DG	12383.4	70	PK 100/8/10,00-V DG	10029.4	79
PK 100/18/10,00-H DG	13514.4	80	PK 100/23/5,00-H GN	12383.1	70	PK 100/8/10,00-V GN	10029.1	79
PK 100/18/10,00-H GN	13514.1	80	PK 100/23/5,00-H-BL DG	12443.4	71	PK 100/8/5,00-H DG	10018.4	70
PK 100/18/10,00-V DG	13502.4	79	PK 100/23/5,00-H-BL GN	12443.1	71	PK 100/8/5,00-H GN	10018.1	70
PK 100/18/10,00-V GN	13502.1	79	PK 100/23/5,00-V DG	12395.4	70	PK 100/8/5,00-H-BL DG	10062.4	71
PK 100/18/5,00-H DG	12378.4	70	PK 100/23/5,00-V GN	12395.1	70	PK 100/8/5,00-H-BL GN	10062.1	71
PK 100/18/5,00-H GN	12378.1	70	PK 100/23/5,00-V-BL DG	12431.4	71	PK 100/8/5,00-V DG	10007.4	70
PK 100/18/5,00-H-BL DG	12438.4	71	PK 100/23/5,00-V-BL GN	12431.1	71	PK 100/8/5,00-V GN	10007.1	70
PK 100/18/5,00-H-BL GN	12438.1	71	PK 100/24/10,00-H DG	13520.4	80	PK 100/8/5,00-V-BL DG	10051.4	71
PK 100/18/5,00-V DG	12390.4	70	PK 100/24/10,00-H GN	13520.1	80	PK 100/8/5,00-V-BL GN	10051.1	71
PK 100/18/5,00-V GN	12390.1	70	PK 100/24/10,00-V DG	13508.4	79	PK 100/9/10,00-H GN	10041.1	80
PK 100/18/5,00-V-BL DG	12426.4	71	PK 100/24/10,00-V GN	13508.1	79	PK 100/9/10,00-V DG	10030.4	79
PK 100/18/5,00-V-BL GN	12426.1	71	PK 100/24/5,00-H DG	12384.4	70	PK 100/9/10,00-V GN	10030.1	79
PK 100/19/10,00-H DG	13515.4	80	PK 100/24/5,00-H GN	12384.1	70	PK 100/9/5,00-H DG	10019.4	70
PK 100/19/10,00-H GN	13515.1	80	PK 100/24/5,00-H-BL DG	12444.4	71	PK 100/9/5,00-H GN	10019.1	70
PK 100/19/10,00-V DG	13503.4	79	PK 100/24/5,00-H-BL GN	12444.1	71	PK 100/9/5,00-H-BL DG	10063.4	71
PK 100/19/10,00-V GN	13503.1	79	PK 100/24/5,00-V DG	12396.4	70	PK 100/9/5,00-H-BL GN	10063.1	71
PK 100/19/5,00-H DG	12379.4	70	PK 100/24/5,00-V GN	12396.1	70	PK 100/9/5,00-V DG	10008.4	70
PK 100/19/5,00-H GN	12379.1	70	PK 100/24/5,00-V-BL DG	12432.4	71	PK 100/9/5,00-V GN	10008.1	70
PK 100/19/5,00-H-BL DG	12439.4	71	PK 100/24/5,00-V-BL GN	12432.1	71	PK 100/9/5,00-V-BL DG	10052.4	71
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PK 104/12/5,00-V GN	10087.1	72	PK 110/18/7,50-V GN	12462.1	76	PK 114/19/7,50-V GN	12451.1	77
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PK 104/14/5,00-V GN	12398.1	72	PK 110/19/7,50-V GN	12463.1	76	PK 114/20/7,50-V GN	12452.1	77
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PK 104/16/5,00-V DG	12400.4	72	PK 110/2/7,50-V DG	10099.4	76	PK 114/22/7,50-V DG	12454.4	77
PK 104/16/5,00-V GN	12400.1	72	PK 110/2/7,50-V GN	10099.1	76	PK 114/22/7,50-V GN	12454.1	77
PK 104/17/5,00-V DG	12401.4	72	PK 110/20/7,50-H DG	12476.4	76	PK 114/23/7,50-V DG	12455.4	77
PK 104/17/5,00-V GN	12401.1	72	PK 110/20/7,50-H GN	12476.1	76	PK 114/23/7,50-V GN	12455.1	77
PK 104/18/5,00-V DG	12402.4	72	PK 110/20/7,50-V DG	12464.4	76	PK 114/24/7,50-V DG	12456.4	77
PK 104/18/5,00-V GN	12402.1	72	PK 110/20/7,50-V GN	12464.1	76	PK 114/24/7,50-V GN	12456.1	77
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PK 104/19/5,00-V GN	12403.1	72	PK 110/21/7,50-H GN	12477.1	76	PK 114/3/7,50-V GN	10089.1	77
PK 104/2/5,00-V DG	10077.4	72	PK 110/21/7,50-V DG	12465.4	76	PK 114/4/7,50-V DG	10090.4	77
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PK 104/21/5,00-V DG	12405.4	72	PK 110/22/7,50-V DG	12466.4	76	PK 114/6/7,50-V DG	10092.4	77
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PK 104/23/5,00-V DG	12407.4	72	PK 110/23/7,50-V DG	12467.4	76	PK 114/8/7,50-V DG	10094.4	77
PK 104/23/5,00-V GN	12407.1	72	PK 110/23/7,50-V GN	12467.1	76	PK 114/8/7,50-V GN	10094.1	77
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PK 104/24/5,00-V GN	12408.1	72	PK 110/24/7,50-H GN	12480.1	76	PK 114/9/7,50-V GN	10095.1	77
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PK 110/10/7,50-V GN	10107.1	76	PK 110/6/7,50-V GN	10103.1	76	PK 120/14/5,08-H GN	12482.1	74
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PK 110/11/7,50-V GN	10108.1	76	PK 110/7/7,50-V GN	10104.1	76	PK 120/15/5,08-H GN	12483.1	74
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PK 110/12/7,50-H GN	10120.1	76	PK 110/8/7,50-H GN	10116.1	76	PK 120/15/5,08-V GN	12411.1	74
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PK 110/12/7,50-V GN	10109.1	76	PK 110/8/7,50-V GN	10105.1	76	PK 120/16/5,08-H GN	12484.1	74
PK 110/13/7,50-H DG	12469.4	76	PK 110/9/7,50-H DG	10117.4	76	PK 120/16/5,08-V DG	12412.4	74
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PK 110/13/7,50-V GN	12457.1	76	PK 110/9/7,50-V GN	10106.1	76	PK 120/17/5,08-H GN	12485.1	74
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PK 110/14/7,50-H GN	12470.1	76	PK 114/10/7,50-V GN	10096.1	77	PK 120/17/5,08-V GN	12413.1	74
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PK 110/14/7,50-V GN	12458.1	76	PK 114/11/7,50-V GN	10097.1	77	PK 120/18/5,08-H GN	12486.1	74
PK 110/15/7,50-H DG	12471.4	76	PK 114/12/7,50-V DG	10098.4	77	PK 120/18/5,08-V DG	12414.4	74
PK 110/15/7,50-H GN	12471.1	76	PK 114/12/7,50-V GN	10098.1	77	PK 120/18/5,08-V GN	12414.1	74
PK 110/15/7,50-V DG	12459.4	76	PK 114/13/7,50-V DG	12445.4	77	PK 120/19/5,08-H DG	12487.4	74
PK 110/15/7,50-V GN	12459.1	76	PK 114/13/7,50-V GN	12445.1	77	PK 120/19/5,08-H GN	12487.1	74
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PK 110/16/7,50-V DG	12460.4	76	PK 114/15/7,50-V DG	12447.4	77	PK 120/2/5,08-H DG	10132.4	74
PK 110/16/7,50-V GN	12460.1	76	PK 114/15/7,50-V GN	12447.1	77	PK 120/2/5,08-H GN	10132.1	74
PK 110/17/7,50-H DG	12473.4	76	PK 114/16/7,50-V DG	12448.4	77	PK 120/2/5,08-V DG	10121.4	74
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PK 120/21/5,08-H GN	12489.1	74	PK 2,5/14/5,00 OG	5014.3	41	PK 2,5/4/7,50 OG	5054.3	55
PK 120/21/5,08-V DG	12417.4	74	PK 2,5/14/5,08 GN	5114.1	49	PK 2,5/4/7,62 GN	5074.1	56
PK 120/21/5,08-V GN	12417.1	74	PK 2,5/14/5,08 OG	5114.3	49	PK 2,5/4/7,62 OG	5074.3	56
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PK 120/22/5,08-H GN	12490.1	74	PK 2,5/14/7,50 OG	5064.3	55	PK 2,5/5/5,00 OG	5005.3	41
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PK 120/23/5,08-H GN	12491.1	74	PK 2,5/15/5,00 OG	5015.3	41	PK 2,5/5/7,50 OG	5055.3	55
PK 120/23/5,08-V DG	12419.4	74	PK 2,5/15/5,08 GN	5115.1	49	PK 2,5/5/7,62 GN	5075.1	56
PK 120/23/5,08-V GN	12419.1	74	PK 2,5/15/5,08 OG	5115.3	49	PK 2,5/5/7,62 OG	5075.3	56
PK 120/24/5,08-H DG	12492.4	74	PK 2,5/15/7,50 GN	5065.1	55	PK 2,5/6/5,00 GN	5006.1	41
PK 120/24/5,08-H GN	12492.1	74	PK 2,5/15/7,50 OG	5065.3	55	PK 2,5/6/5,00 OG	5006.3	41
PK 120/24/5,08-V DG	12420.4	74	PK 2,5/15/7,62 GN	5085.1	56	PK 2,5/6/5,08 GN	5106.1	49
PK 120/24/5,08-V GN	12420.1	74	PK 2,5/15/7,62 OG	5085.3	56	PK 2,5/6/5,08 OG	5106.3	49
PK 120/3/5,08-H DG	10133.4	74	PK 2,5/16/5,00 GN	5016.1	41	PK 2,5/6/7,50 GN	5056.1	55
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PK 120/3/5,08-V GN	10122.1	74	PK 2,5/16/5,08 OG	5116.3	49	PK 2,5/6/7,62 OG	5076.3	56
PK 120/4/5,08-H DG	10134.4	74	PK 2,5/16/7,50 GN	5066.1	55	PK 2,5/7/5,00 GN	5007.1	41
PK 120/4/5,08-H GN	10134.1	74	PK 2,5/16/7,50 OG	5066.3	55	PK 2,5/7/5,00 OG	5007.3	41
PK 120/4/5,08-V DG	10123.4	74	PK 2,5/16/7,62 GN	5086.1	56	PK 2,5/7/5,08 GN	5107.1	49
PK 120/4/5,08-V GN	10123.1	74	PK 2,5/16/7,62 OG	5086.3	56	PK 2,5/7/5,08 OG	5107.3	49
PK 120/5/5,08-H DG	10135.4	74	PK 2,5/17/5,00 GN	5017.1	41	PK 2,5/7/7,50 GN	5057.1	55
PK 120/5/5,08-H GN	10135.1	74	PK 2,5/17/5,00 OG	5017.3	41	PK 2,5/7/7,50 OG	5057.3	55
PK 120/5/5,08-V DG	10124.4	74	PK 2,5/17/5,08 GN	5117.1	49	PK 2,5/7/7,62 GN	5077.1	56
PK 120/5/5,08-V GN	10124.1	74	PK 2,5/17/5,08 OG	5117.3	49	PK 2,5/7/7,62 OG	5077.3	56
PK 120/6/5,08-H DG	10136.4	74	PK 2,5/18/5,00 GN	5018.1	41	PK 2,5/8/5,00 GN	5008.1	41
PK 120/6/5,08-H GN	10136.1	74	PK 2,5/18/5,00 OG	5018.3	41	PK 2,5/8/5,00 OG	5008.3	41
PK 120/6/5,08-V DG	10125.4	74	PK 2,5/18/5,08 GN	5118.1	49	PK 2,5/8/5,08 GN	5108.1	49
PK 120/6/5,08-V GN	10125.1	74	PK 2,5/18/5,08 OG	5118.3	49	PK 2,5/8/5,08 OG	5108.3	49
PK 120/7/5,08-H DG	10137.4	74	PK 2,5/19/5,00 GN	5019.1	41	PK 2,5/8/7,50 GN	5058.1	55
PK 120/7/5,08-H GN	10137.1	74	PK 2,5/19/5,00 OG	5019.3	41	PK 2,5/8/7,50 OG	5058.3	55
PK 120/7/5,08-V DG	10126.4	74	PK 2,5/19/5,08 GN	5119.1	49	PK 2,5/8/7,62 GN	5078.1	56
PK 120/7/5,08-V GN	10126.1	74	PK 2,5/19/5,08 OG	5119.3	49	PK 2,5/8/7,62 OG	5078.3	56
PK 120/8/5,08-H DG	10138.4	74	PK 2,5/2/5,00 GN	5002.1	41	PK 2,5/9/5,00 GN	5009.1	41
PK 120/8/5,08-H GN	10138.1	74	PK 2,5/2/5,00 OG	5002.3	41	PK 2,5/9/5,00 OG	5009.3	41
PK 120/8/5,08-V DG	10127.4	74	PK 2,5/2/5,08 GN	5102.1	49	PK 2,5/9/5,08 GN	5109.1	49
PK 120/8/5,08-V GN	10127.1	74	PK 2,5/2/5,08 OG	5102.3	49	PK 2,5/9/5,08 OG	5109.3	49
PK 120/9/5,08-H DG	10139.4	74	PK 2,5/2/7,50 GN	5052.1	55	PK 2,5/9/7,50 GN	5059.1	55
PK 120/9/5,08-H GN	10139.1	74	PK 2,5/2/7,50 OG	5052.3	55	PK 2,5/9/7,50 OG	5059.3	55
PK 120/9/5,08-V DG	10128.4	74	PK 2,5/2/7,62 GN	5072.1	56	PK 2,5/9/7,62 GN	5079.1	56
PK 120/9/5,08-V GN	10128.1	74	PK 2,5/2/7,62 OG	5072.3	56	PK 2,5/9/7,62 OG	5079.3	56
PK 2,5/10/5,00 GN	5010.1	41	PK 2,5/20/5,00 GN	5020.1	41	PK 250/10/10,16-V GN	10310.1	59
PK 2,5/10/5,00 OG	5010.3	41	PK 2,5/20/5,00 OG	5020.3	41	PK 250/10/5,08-V DG	10299.4	48
PK 2,5/10/5,08 GN	5110.1	49	PK 2,5/20/5,08 GN	5120.1	49	PK 250/10/5,08-V GN	10299.1	48
PK 2,5/10/5,08 OG	5110.3	49	PK 2,5/20/5,08 OG	5120.3	49	PK 250/11/10,16-V GN	10311.1	59
PK 2,5/10/7,50 GN	5060.1	55	PK 2,5/21/5,00 GN	5021.1	41	PK 250/11/5,08-V DG	10300.4	48
PK 2,5/10/7,50 OG	5060.3	55	PK 2,5/21/5,00 OG	5021.3	41	PK 250/11/5,08-V GN	10300.1	48
PK 2,5/10/7,62 GN	5080.1	56	PK 2,5/21/5,08 GN	5121.1	49	PK 250/12/10,16-V GN	10312.1	59
PK 2,5/10/7,62 OG	5080.3	56	PK 2,5/21/5,08 OG	5121.3	49	PK 250/12/5,08-V DG	10301.4	48
PK 2,5/11/5,00 GN	5011.1	41	PK 2,5/22/5,00 GN	5022.1	41	PK 250/12/5,08-V GN	10301.1	48
PK 2,5/11/5,00 OG	5011.3	41	PK 2,5/22/5,00 OG	5022.3	41	PK 250/13/10,16-V GN	13569.1	59
PK 2,5/11/5,08 GN	5111.1	49	PK 2,5/22/5,08 GN	5122.1	49	PK 250/13/5,08-V DG	12541.4	48
PK 2,5/11/5,08 OG	5111.3	49	PK 2,5/22/5,08 OG	5122.3	49	PK 250/13/5,08-V GN	12541.1	48
PK 2,5/11/7,50 GN	5061.1	55	PK 2,5/23/5,00 GN	5023.1	41	PK 250/14/10,16-V GN	13570.1	59
PK 2,5/11/7,50 OG	5061.3	55	PK 2,5/23/5,00 OG	5023.3	41	PK 250/14/5,08-V DG	12542.4	48
PK 2,5/11/7,62 GN	5081.1	56	PK 2,5/23/5,08 GN	5123.1	49	PK 250/14/5,08-V GN	12542.1	48
PK 2,5/11/7,62 OG	5081.3	56	PK 2,5/23/5,08 OG	5123.3	49	PK 250/15/10,16-V GN	13571.1	59
PK 2,5/12/5,00 GN	5012.1	41	PK 2,5/24/5,00 GN	5024.1	41	PK 250/15/5,08-V DG	12543.4	48
PK 2,5/12/5,00 OG	5012.3	41	PK 2,5/24/5,00 OG	5024.3	41	PK 250/15/5,08-V GN	12543.1	48
PK 2,5/12/5,08 GN	5112.1	49	PK 2,5/24/5,08 GN	5124.1	49	PK 250/16/10,16-V GN	13572.1	59
PK 2,5/12/5,08 OG	5112.3	49	PK 2,5/24/5,08 OG	5124.3	49	PK 250/16/5,08-V DG	12544.4	48
PK 2,5/12/7,50 GN	5062.1	55	PK 2,5/3/5,00 GN	5003.1	41	PK 250/16/5,08-V GN	12544.1	48
PK 2,5/12/7,50 OG	5062.3	55	PK 2,5/3/5,00 OG	5003.3	41	PK 250/17/10,16-V GN	13573.1	59
PK 2,5/12/7,62 GN	5082.1	56	PK 2,5/3/5,08 GN	5103.1	49	PK 250/17/5,08-V DG	12545.4	48
PK 2,5/12/7,62 OG	5082.3	56	PK 2,5/3/5,08 OG	5103.3	49	PK 250/17/5,08-V GN	12545.1	48
PK 2,5/13/5,00 GN	5013.1	41	PK 2,5/3/7,50 GN	5053.1	55	PK 250/18/10,16-V GN	13574.1	59
PK 2,5/13/5,00 OG	5013.3	41	PK 2,5/3/7,50 OG	5053.3	55	PK 250/18/5,08-V DG	12546.4	48
PK 2,5/13/5,08 GN	5113.1	49	PK 2,5/3/7,62 GN	5073.1	56	PK 250/18/5,08-V GN	12546.1	48
PK 2,5/13/5,08 OG	5113.3	49	PK 2,5/3/7,62 OG	5073.3	56	PK 250/19/10,16-V GN	13575.1	59

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PK 250/19/5,08-V GN	12547.1	48	PK 300/14/5,00 DG	12554.4	41	PK 300/23/10,16 DG	13591.4	60
PK 250/2/10,16-V GN	10302.1	59	PK 300/14/5,00 GN	12554.1	41	PK 300/23/10,16 GN	13591.1	60
PK 250/2/5,08-V DG	10291.4	48	PK 300/14/5,08 DG	12566.4	48	PK 300/23/5,00 DG	12563.4	41
PK 250/2/5,08-V GN	10291.1	48	PK 300/14/5,08 GN	12566.1	48	PK 300/23/5,00 GN	12563.1	41
PK 250/20/10,16-V GN	13576.1	59	PK 300/15/10,00 DG	13547.4	58	PK 300/23/5,08 DG	12575.4	48
PK 250/20/5,08-V DG	12548.4	48	PK 300/15/10,00 GN	13547.1	58	PK 300/23/5,08 GN	12575.1	48
PK 250/20/5,08-V GN	12548.1	48	PK 300/15/10,16 DG	13583.4	60	PK 300/24/10,00 DG	13556.4	58
PK 250/21/10,16-V GN	13577.1	59	PK 300/15/10,16 GN	13583.1	60	PK 300/24/10,00 GN	13556.1	58
PK 250/21/5,08-V DG	12549.4	48	PK 300/15/5,00 DG	12555.4	41	PK 300/24/10,16 DG	13592.4	60
PK 250/21/5,08-V GN	12549.1	48	PK 300/15/5,00 GN	12555.1	41	PK 300/24/10,16 GN	13592.1	60
PK 250/22/10,16-V GN	13578.1	59	PK 300/15/5,08 DG	12567.4	48	PK 300/24/5,00 DG	12564.4	41
PK 250/22/5,08-V DG	12550.4	48	PK 300/15/5,08 GN	12567.1	48	PK 300/24/5,00 GN	12564.1	41
PK 250/22/5,08-V GN	12550.1	48	PK 300/16/10,00 DG	13548.4	58	PK 300/24/5,08 DG	12576.4	48
PK 250/23/10,16-V GN	13579.1	59	PK 300/16/10,00 GN	13548.1	58	PK 300/24/5,08 GN	12576.1	48
PK 250/23/5,08-V DG	12551.4	48	PK 300/16/10,16 DG	13584.4	60	PK 300/3/10,00 DG	10336.4	58
PK 250/23/5,08-V GN	12551.1	48	PK 300/16/10,16 GN	13584.1	60	PK 300/3/10,00 GN	10336.1	58
PK 250/24/10,16-V GN	13580.1	59	PK 300/16/5,00 GN	12556.1	41	PK 300/3/10,16 DG	10347.4	60
PK 250/24/5,08-V DG	12552.4	48	PK 300/16/5,08 DG	12568.4	48	PK 300/3/10,16 GN	10347.1	60
PK 250/24/5,08-V GN	12552.1	48	PK 300/16/5,08 GN	12568.1	48	PK 300/3/5,00 DG	10314.4	41
PK 250/3/10,16-V GN	10303.1	59	PK 300/17/10,00 GN	13549.1	58	PK 300/3/5,00 GN	10314.1	41
PK 250/3/5,08-V DG	10292.4	48	PK 300/17/10,16 DG	13585.4	60	PK 300/3/5,08 DG	10325.4	48
PK 250/3/5,08-V GN	10292.1	48	PK 300/17/10,16 GN	13585.1	60	PK 300/3/5,08 GN	10325.1	48
PK 250/4/10,16-V GN	10304.1	59	PK 300/17/5,00 DG	12557.4	41	PK 300/4/10,00 DG	10337.4	58
PK 250/4/5,08-V DG	10293.4	48	PK 300/17/5,00 GN	12557.1	41	PK 300/4/10,00 GN	10337.1	58
PK 250/4/5,08-V GN	10293.1	48	PK 300/17/5,08 DG	12569.4	48	PK 300/4/10,16 DG	10348.4	60
PK 250/5/10,16-V GN	10305.1	59	PK 300/17/5,08 GN	12569.1	48	PK 300/4/10,16 GN	10348.1	60
PK 250/5/5,08-V DG	10294.4	48	PK 300/18/10,00 DG	13550.4	58	PK 300/4/5,00 DG	10315.4	41
PK 250/5/5,08-V GN	10294.1	48	PK 300/18/10,00 GN	13550.1	58	PK 300/4/5,00 GN	10315.1	41
PK 250/6/10,16-V GN	10306.1	59	PK 300/18/10,16 DG	13586.4	60	PK 300/4/5,08 DG	10326.4	48
PK 250/6/5,08-V DG	10295.4	48	PK 300/18/10,16 GN	13586.1	60	PK 300/4/5,08 GN	10326.1	48
PK 250/6/5,08-V GN	10295.1	48	PK 300/18/5,00 DG	12558.4	41	PK 300/5/10,00 DG	10338.4	58
PK 250/7/10,16-V GN	10307.1	59	PK 300/18/5,00 GN	12558.1	41	PK 300/5/10,00 GN	10338.1	58
PK 250/7/5,08-V DG	10296.4	48	PK 300/18/5,08 DG	12570.4	48	PK 300/5/10,16 DG	10349.4	60
PK 250/7/5,08-V GN	10296.1	48	PK 300/18/5,08 GN	12570.1	48	PK 300/5/10,16 GN	10349.1	60
PK 250/8/10,16-V GN	10308.1	59	PK 300/19/10,00 DG	13551.4	58	PK 300/5/5,00 DG	10316.4	41
PK 250/8/5,08-V DG	10297.4	48	PK 300/19/10,00 GN	13551.1	58	PK 300/5/5,00 GN	10316.1	41
PK 250/8/5,08-V GN	10297.1	48	PK 300/19/10,16 DG	13587.4	60	PK 300/5/5,08 DG	10327.4	48
PK 250/9/10,16-V GN	10309.1	59	PK 300/19/10,16 GN	13587.1	60	PK 300/5/5,08 GN	10327.1	48
PK 250/9/5,08-V DG	10298.4	48	PK 300/19/5,00 DG	12559.4	41	PK 300/6/10,00 DG	10339.4	58
PK 250/9/5,08-V GN	10298.1	48	PK 300/19/5,00 GN	12559.1	41	PK 300/6/10,00 GN	10339.1	58
PK 300/10/10,00 DG	10343.4	58	PK 300/19/5,08 DG	12571.4	48	PK 300/6/10,16 DG	10350.4	60
PK 300/10/10,00 GN	10343.1	58	PK 300/19/5,08 GN	12571.1	48	PK 300/6/10,16 GN	10350.1	60
PK 300/10/10,16 DG	10354.4	60	PK 300/2/10,00 DG	10335.4	58	PK 300/6/5,00 DG	10317.4	41
PK 300/10/10,16 GN	10354.1	60	PK 300/2/10,00 GN	10335.1	58	PK 300/6/5,00 GN	10317.1	41
PK 300/10/5,00 DG	10321.4	41	PK 300/2/10,16 DG	10346.4	60	PK 300/6/5,08 DG	10328.4	48
PK 300/10/5,00 GN	10321.1	41	PK 300/2/10,16 GN	10346.1	60	PK 300/6/5,08 GN	10328.1	48
PK 300/10/5,08 DG	10332.4	48	PK 300/2/5,00 DG	10313.4	41	PK 300/7/10,00 DG	10340.4	58
PK 300/10/5,08 GN	10332.1	48	PK 300/2/5,00 GN	10313.1	41	PK 300/7/10,00 GN	10340.1	58
PK 300/11/10,00 DG	10344.4	58	PK 300/2/5,08 DG	10324.4	48	PK 300/7/10,16 DG	10351.4	60
PK 300/11/10,00 GN	10344.1	58	PK 300/2/5,08 GN	10324.1	48	PK 300/7/10,16 GN	10351.1	60
PK 300/11/10,16 DG	10355.4	60	PK 300/20/10,00 DG	13552.4	58	PK 300/7/5,00 DG	10318.4	41
PK 300/11/10,16 GN	10355.1	60	PK 300/20/10,00 GN	13552.1	58	PK 300/7/5,00 GN	10318.1	41
PK 300/11/5,00 DG	10322.4	41	PK 300/20/10,16 DG	13588.4	60	PK 300/7/5,08 DG	10329.4	48
PK 300/11/5,00 GN	10322.1	41	PK 300/20/10,16 GN	13588.1	60	PK 300/7/5,08 GN	10329.1	48
PK 300/11/5,08 DG	10333.4	48	PK 300/20/5,00 DG	12560.4	41	PK 300/8/10,00 DG	10341.4	58
PK 300/11/5,08 GN	10333.1	48	PK 300/20/5,00 GN	12560.1	41	PK 300/8/10,00 GN	10341.1	58
PK 300/12/10,00 DG	10345.4	58	PK 300/20/5,08 DG	12572.4	48	PK 300/8/10,16 DG	10352.4	60
PK 300/12/10,00 GN	10345.1	58	PK 300/20/5,08 GN	12572.1	48	PK 300/8/10,16 GN	10352.1	60
PK 300/12/10,16 DG	10356.4	60	PK 300/21/10,00 DG	13553.4	58	PK 300/8/5,00 DG	10319.4	41
PK 300/12/10,16 GN	10356.1	60	PK 300/21/10,00 GN	13553.1	58	PK 300/8/5,00 GN	10319.1	41
PK 300/12/5,00 DG	10323.4	41	PK 300/21/10,16 DG	13589.4	60	PK 300/8/5,08 DG	10330.4	48
PK 300/12/5,00 GN	10323.1	41	PK 300/21/10,16 GN	13589.1	60	PK 300/8/5,08 GN	10330.1	48
PK 300/12/5,08 DG	10334.4	48	PK 300/21/5,00 DG	12561.4	41	PK 300/9/10,00 DG	10342.4	58
PK 300/12/5,08 GN	10334.1	48	PK 300/21/5,00 GN	12561.1	41	PK 300/9/10,00 GN	10342.1	58
PK 300/13/10,00 DG	13545.4	58	PK 300/21/5,08 DG	12573.4	48	PK 300/9/10,16 DG	10353.4	60
PK 300/13/10,00 GN	13545.1	58	PK 300/21/5,08 GN	12573.1	48	PK 300/9/10,16 GN	10353.1	60
PK 300/13/10,16 DG	13581.4	60	PK 300/22/10,00 DG	13554.4	58	PK 300/9/5,00 DG	10320.4	41
PK 300/13/10,16 GN	13581.1	60	PK 300/22/10,00 GN	13554.1	58	PK 300/9/5,00 GN	10320.1	41
PK 300/13/5,00 DG	12553.4	41	PK 300/22/10,16 DG	13590.4	60	PK 300/9/5,08 DG	10331.4	48
PK 300/13/5,00 GN	12553.1	41	PK 300/22/10,16 GN	13590.1	60	PK 300/9/5,08 GN	10331.1	48
PK 300/13/5,08 DG	12565.4	48	PK 300/22/5,00 DG	12562.4	41	PK 350/10/10,00-V GN	10387.1	58
PK 300/13/5,08 GN	12565.1	48	PK 300/22/5,00 GN	12562.1	41	PK 350/10/10,16-V GN	10398.1	59
PK 300/14/10,00 DG	13546.4	58	PK 300/22/5,08 DG	12574.4	48	PK 350/10/5,00-V GN	10365.1	42
PK 300/14/10,00 GN	13546.1	58	PK 300/22/5,08 GN	12574.1	48	PK 350/10/5,08-V GN	10376.1	49
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PK 350/12/10,00-V GN	10389.1	58	PK 350/7/10,16-V GN	10395.1	59	PK 360/3/7,50-H GN	13606.1	54
PK 350/12/10,16-V GN	10400.1	59	PK 350/7/5,00-V GN	10362.1	42	PK 360/3/7,50-V DG	10402.4	54
PK 350/12/5,00-V GN	10367.1	42	PK 350/7/5,08-V GN	10373.1	49	PK 360/3/7,50-V GN	10402.1	54
PK 350/12/5,08-V GN	10378.1	49	PK 350/8/10,00-V GN	10385.1	58	PK 360/4/7,50-H DG	13607.4	54
PK 350/13/10,00-V GN	13557.1	58	PK 350/8/10,16-V GN	10396.1	59	PK 360/4/7,50-H GN	13607.1	54
PK 350/13/10,16-V GN	13593.1	59	PK 350/8/5,00-V GN	10363.1	42	PK 360/4/7,50-V DG	10403.4	54
PK 350/13/5,00-V GN	12349.1	42	PK 350/8/5,08-V GN	10374.1	49	PK 360/4/7,50-V GN	10403.1	54
PK 350/13/5,08-V GN	12361.1	49	PK 350/9/10,00-V GN	10386.1	58	PK 360/5/7,50-H DG	13608.4	54
PK 350/14/10,00-V GN	13558.1	58	PK 350/9/10,16-V GN	10397.1	59	PK 360/5/7,50-H GN	13608.1	54
PK 350/14/10,16-V GN	13594.1	59	PK 350/9/5,00-V GN	10364.1	42	PK 360/5/7,50-V DG	10404.4	54
PK 350/14/5,00-V GN	12350.1	42	PK 350/9/5,08-V GN	10375.1	49	PK 360/5/7,50-V GN	10404.1	54
PK 350/14/5,08-V GN	12362.1	49	PK 360/10/7,50-H DG	13613.4	54	PK 360/6/7,50-H DG	13609.4	54
PK 350/15/10,00-V GN	13559.1	58	PK 360/10/7,50-H GN	13613.1	54	PK 360/6/7,50-H GN	13609.1	54
PK 350/15/10,16-V GN	13595.1	59	PK 360/10/7,50-V DG	10409.4	54	PK 360/6/7,50-V DG	10405.4	54
PK 350/15/5,00-V GN	12351.1	42	PK 360/10/7,50-V GN	10409.1	54	PK 360/6/7,50-V GN	10405.1	54
PK 350/15/5,08-V GN	12363.1	49	PK 360/11/7,50-H DG	13614.4	54	PK 360/7/7,50-H DG	13610.4	54
PK 350/16/10,00-V GN	13560.1	58	PK 360/11/7,50-H GN	13614.1	54	PK 360/7/7,50-H GN	13610.1	54
PK 350/16/10,16-V GN	13596.1	59	PK 360/11/7,50-V DG	10410.4	54	PK 360/7/7,50-V DG	10406.4	54
PK 350/16/5,00-V GN	12352.1	42	PK 360/11/7,50-V GN	10410.1	54	PK 360/7/7,50-V GN	10406.1	54
PK 350/16/5,08-V GN	12364.1	49	PK 360/12/7,50-H DG	13615.4	54	PK 360/8/7,50-H DG	13611.4	54
PK 350/17/10,00-V GN	13561.1	58	PK 360/12/7,50-H GN	13615.1	54	PK 360/8/7,50-H GN	13611.1	54
PK 350/17/10,16-V GN	13597.1	59	PK 360/12/7,50-V DG	10411.4	54	PK 360/8/7,50-V DG	10407.4	54
PK 350/17/5,00-V GN	12353.1	42	PK 360/12/7,50-V GN	10411.1	54	PK 360/8/7,50-V GN	10407.1	54
PK 350/17/5,08-V GN	12365.1	49	PK 360/13/7,50-H DG	13616.4	54	PK 360/9/7,50-H DG	13612.4	54
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PK 350/2/10,16-V GN	10390.1	59	PK 360/15/7,50-V DG	12579.4	54	PK 500/10/10,16-V DG	10206.4	82
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PK 350/2/5,00-V GN	10357.1	42	PK 360/16/7,50-H DG	13619.4	54	PK 500/10/5,00-H DG	10173.4	67
PK 350/2/5,08-V GN	10368.1	49	PK 360/16/7,50-H GN	13619.1	54	PK 500/10/5,00-H GN	10173.1	67
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PK 350/21/10,16-V GN	13601.1	59	PK 360/17/7,50-V GN	12581.1	54	PK 500/10/5,08-H DG	10184.4	73
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PK 350/24/10,16-V GN	13604.1	59	PK 360/2/7,50-V GN	10401.1	54	PK 500/11/5,00-H DG	10174.4	67
PK 350/24/5,00-V GN	12360.1	42	PK 360/20/7,50-H DG	13623.4	54	PK 500/11/5,00-H GN	10174.1	67
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PK 350/3/5,00-V GN	10358.1	42	PK 360/21/7,50-H GN	13624.1	54	PK 500/11/5,00-V-BL GN	10240.1	68
PK 350/3/5,08-V GN	10369.1	49	PK 360/21/7,50-V DG	12585.4	54	PK 500/11/5,08-H DG	10185.4	73
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PK 350/4/10,16-V GN	10392.1	59	PK 360/22/7,50-H DG	13625.4	54	PK 500/11/5,08-V DG	10163.4	73
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PK 350/5/5,00-V GN	10360.1	42	PK 360/23/7,50-V DG	12587.4	54	PK 500/12/10,16-H DG	10230.4	82
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PK 500/15/5,00-V DG	12495.4	67	PK 500/2/10,16-H DG	10220.4	82	PK 500/23/5,08-H GN	12539.1	73
PK 500/15/5,00-V GN	12495.1	67	PK 500/2/10,16-H GN	10220.1	82	PK 500/23/5,08-V DG	12515.4	73
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PK 500/15/5,08-H GN	12531.1	73	PK 500/2/10,16-V GN	10198.1	82	PK 500/24/10,00-H DG	13496.4	78
PK 500/15/5,08-V DG	12507.4	73	PK 500/2/5,00-H DG	10165.4	67	PK 500/24/10,00-H GN	13496.1	78
PK 500/15/5,08-V GN	12507.1	73	PK 500/2/5,00-H GN	10165.1	67	PK 500/24/10,00-V DG	13484.4	78
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PK 500/16/10,16-V DG	13524.4	82	PK 500/2/5,08-H GN	10176.1	73	PK 500/24/5,00-H GN	12528.1	67
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PK 500/16/5,00-V DG	12496.4	67	PK 500/20/10,00-H GN	13492.1	78	PK 500/24/5,08-H GN	12540.1	73
PK 500/16/5,00-V GN	12496.1	67	PK 500/20/10,00-V DG	13480.4	78	PK 500/24/5,08-V DG	12516.4	73
PK 500/16/5,08-H DG	12532.4	73	PK 500/20/10,00-V GN	13480.1	78	PK 500/24/5,08-V GN	12516.1	73
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PK 500/16/5,08-V GN	12508.1	73	PK 500/20/10,16-V DG	13528.4	82	PK 500/3/10,00-V DG	10188.4	78
PK 500/17/10,00-H DG	13489.4	78	PK 500/20/10,16-V GN	13528.1	82	PK 500/3/10,00-V GN	10188.1	78

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PK 500/3/10,00-V-BL DG	10243.4	79	PK 500/6/5,08-H DG	10180.4	73	PK 550/13/3,50-V GN	10258.1	66
PK 500/3/10,00-V-BL GN	10243.1	79	PK 500/6/5,08-H GN	10180.1	73	PK 550/14/3,50-H DG	10274.4	66
PK 500/3/10,16-H DG	10221.4	82	PK 500/6/5,08-V DG	10158.4	73	PK 550/14/3,50-H GN	10274.1	66
PK 500/3/10,16-H GN	10221.1	82	PK 500/6/5,08-V GN	10158.1	73	PK 550/14/3,50-V DG	10259.4	66
PK 500/3/10,16-V DG	10199.4	82	PK 500/7/10,00-H DG	10214.4	78	PK 550/14/3,50-V GN	10259.1	66
PK 500/3/10,16-V GN	10199.1	82	PK 500/7/10,00-H GN	10214.1	78	PK 550/15/3,50-H DG	10275.4	66
PK 500/3/5,00-H DG	10166.4	67	PK 500/7/10,00-V DG	10192.4	78	PK 550/15/3,50-H GN	10275.1	66
PK 500/3/5,00-H GN	10166.1	67	PK 500/7/10,00-V GN	10192.1	78	PK 550/15/3,50-V DG	10260.4	66
PK 500/3/5,00-H-BL GN	10714.1	68	PK 500/7/10,16-H DG	10225.4	82	PK 550/15/3,50-V GN	10260.1	66
PK 500/3/5,00-V DG	10144.4	67	PK 500/7/10,16-H GN	10225.1	82	PK 550/16/3,50-H DG	10276.4	66
PK 500/3/5,00-V GN	10144.1	67	PK 500/7/10,16-V DG	10203.4	82	PK 550/16/3,50-H GN	10276.1	66
PK 500/3/5,00-V-BL DG	10232.4	68	PK 500/7/10,16-V GN	10203.1	82	PK 550/16/3,50-V DG	10261.4	66
PK 500/3/5,00-V-BL GN	10232.1	68	PK 500/7/5,00-H DG	10170.4	67	PK 550/16/3,50-V GN	10261.1	66
PK 500/3/5,08-H DG	10177.4	73	PK 500/7/5,00-H GN	10170.1	67	PK 550/2/3,50-H DG	10262.4	66
PK 500/3/5,08-H GN	10177.1	73	PK 500/7/5,00-H-BL GN	10718.1	68	PK 550/2/3,50-H GN	10262.1	66
PK 500/3/5,08-V DG	10155.4	73	PK 500/7/5,00-V DG	10148.4	67	PK 550/2/3,50-V DG	10247.4	66
PK 500/3/5,08-V GN	10155.1	73	PK 500/7/5,00-V GN	10148.1	67	PK 550/2/3,50-V GN	10247.1	66
PK 500/4/10,00-H DG	10211.4	78	PK 500/7/5,00-V-BL DG	10236.4	68	PK 550/2/7,00-H DG	10284.4	75
PK 500/4/10,00-H GN	10211.1	78	PK 500/7/5,00-V-BL GN	10236.1	68	PK 550/2/7,00-H GN	10284.1	75
PK 500/4/10,00-V DG	10189.4	78	PK 500/7/5,08-H DG	10181.4	73	PK 550/2/7,00-V DG	10277.4	75
PK 500/4/10,00-V GN	10189.1	78	PK 500/7/5,08-H GN	10181.1	73	PK 550/2/7,00-V GN	10277.1	75
PK 500/4/10,00-V-BL DG	10244.4	79	PK 500/7/5,08-V DG	10159.4	73	PK 550/3/3,50-H DG	10263.4	66
PK 500/4/10,00-V-BL GN	10244.1	79	PK 500/7/5,08-V GN	10159.1	73	PK 550/3/3,50-H GN	10263.1	66
PK 500/4/10,16-H DG	10222.4	82	PK 500/8/10,00-H DG	10215.4	78	PK 550/3/3,50-V DG	10248.4	66
PK 500/4/10,16-H GN	10222.1	82	PK 500/8/10,00-H GN	10215.1	78	PK 550/3/3,50-V GN	10248.1	66
PK 500/4/10,16-V DG	10200.4	82	PK 500/8/10,00-V DG	10193.4	78	PK 550/3/7,00-H DG	10285.4	75
PK 500/4/10,16-V GN	10200.1	82	PK 500/8/10,00-V GN	10193.1	78	PK 550/3/7,00-H GN	10285.1	75
PK 500/4/5,00-H DG	10167.4	67	PK 500/8/10,16-H DG	10226.4	82	PK 550/3/7,00-V DG	10278.4	75
PK 500/4/5,00-H GN	10167.1	67	PK 500/8/10,16-H GN	10226.1	82	PK 550/3/7,00-V GN	10278.1	75
PK 500/4/5,00-H-BL GN	10715.1	68	PK 500/8/10,16-V DG	10204.4	82	PK 550/4/3,50-H DG	10264.4	66
PK 500/4/5,00-V DG	10145.4	67	PK 500/8/10,16-V GN	10204.1	82	PK 550/4/3,50-H GN	10264.1	66
PK 500/4/5,00-V GN	10145.1	67	PK 500/8/5,00-H DG	10171.4	67	PK 550/4/3,50-V DG	10249.4	66
PK 500/4/5,00-V-BL DG	10233.4	68	PK 500/8/5,00-H GN	10171.1	67	PK 550/4/3,50-V GN	10249.1	66
PK 500/4/5,00-V-BL GN	10233.1	68	PK 500/8/5,00-H-BL GN	10719.1	68	PK 550/4/7,00-H DG	10286.4	75
PK 500/4/5,08-H DG	10178.4	73	PK 500/8/5,00-V DG	10149.4	67	PK 550/4/7,00-H GN	10286.1	75
PK 500/4/5,08-H GN	10178.1	73	PK 500/8/5,00-V GN	10149.1	67	PK 550/4/7,00-V DG	10279.4	75
PK 500/4/5,08-V DG	10156.4	73	PK 500/8/5,00-V-BL DG	10237.4	68	PK 550/4/7,00-V GN	10279.1	75
PK 500/4/5,08-V GN	10156.1	73	PK 500/8/5,00-V-BL GN	10237.1	68	PK 550/5/3,50-H DG	10265.4	66
PK 500/5/10,00-H DG	10212.4	78	PK 500/8/5,08-H DG	10182.4	73	PK 550/5/3,50-H GN	10265.1	66
PK 500/5/10,00-H GN	10212.1	78	PK 500/8/5,08-H GN	10182.1	73	PK 550/5/3,50-V DG	10250.4	66
PK 500/5/10,00-V DG	10190.4	78	PK 500/8/5,08-V DG	10160.4	73	PK 550/5/3,50-V GN	10250.1	66
PK 500/5/10,00-V GN	10190.1	78	PK 500/8/5,08-V GN	10160.1	73	PK 550/5/7,00-H DG	10287.4	75
PK 500/5/10,00-V-BL DG	10245.4	79	PK 500/9/10,00-H DG	10216.4	78	PK 550/5/7,00-H GN	10287.1	75
PK 500/5/10,00-V-BL GN	10245.1	79	PK 500/9/10,00-H GN	10216.1	78	PK 550/5/7,00-V DG	10280.4	75
PK 500/5/10,16-H DG	10223.4	82	PK 500/9/10,00-V DG	10194.4	78	PK 550/5/7,00-V GN	10280.1	75
PK 500/5/10,16-H GN	10223.1	82	PK 500/9/10,00-V GN	10194.1	78	PK 550/6/3,50-H DG	10266.4	66
PK 500/5/10,16-V DG	10201.4	82	PK 500/9/10,16-H DG	10227.4	82	PK 550/6/3,50-H GN	10266.1	66
PK 500/5/10,16-V GN	10201.1	82	PK 500/9/10,16-H GN	10227.1	82	PK 550/6/3,50-V DG	10251.4	66
PK 500/5/5,00-H DG	10168.4	67	PK 500/9/10,16-V DG	10205.4	82	PK 550/6/3,50-V GN	10251.1	66
PK 500/5/5,00-H GN	10168.1	67	PK 500/9/10,16-V GN	10205.1	82	PK 550/6/7,00-H DG	10288.4	75
PK 500/5/5,00-H-BL GN	10716.1	68	PK 500/9/5,00-H DG	10172.4	67	PK 550/6/7,00-H GN	10288.1	75
PK 500/5/5,00-V DG	10146.4	67	PK 500/9/5,00-H GN	10172.1	67	PK 550/6/7,00-V DG	10281.4	75
PK 500/5/5,00-V GN	10146.1	67	PK 500/9/5,00-H-BL GN	10720.1	68	PK 550/6/7,00-V GN	10281.1	75
PK 500/5/5,00-V-BL DG	10234.4	68	PK 500/9/5,00-V DG	10150.4	67	PK 550/7/3,50-H DG	10267.4	66
PK 500/5/5,00-V-BL GN	10234.1	68	PK 500/9/5,00-V GN	10150.1	67	PK 550/7/3,50-H GN	10267.1	66
PK 500/5/5,08-H DG	10179.4	73	PK 500/9/5,00-V-BL DG	10238.4	68	PK 550/7/3,50-V DG	10252.4	66
PK 500/5/5,08-H GN	10179.1	73	PK 500/9/5,00-V-BL GN	10238.1	68	PK 550/7/3,50-V GN	10252.1	66
PK 500/5/5,08-V DG	10157.4	73	PK 500/9/5,08-H DG	10183.4	73	PK 550/7/7,00-H DG	10289.4	75
PK 500/5/5,08-V GN	10157.1	73	PK 500/9/5,08-H GN	10183.1	73	PK 550/7/7,00-H GN	10289.1	75
PK 500/6/10,00-H DG	10213.4	78	PK 500/9/5,08-V DG	10161.4	73	PK 550/7/7,00-V DG	10282.4	75
PK 500/6/10,00-H GN	10213.1	78	PK 500/9/5,08-V GN	10161.1	73	PK 550/7/7,00-V GN	10282.1	75
PK 500/6/10,00-V DG	10191.4	78	PK 550/10/3,50-H DG	10270.4	66	PK 550/8/3,50-H DG	10268.4	66
PK 500/6/10,00-V GN	10191.1	78	PK 550/10/3,50-H GN	10270.1	66	PK 550/8/3,50-H GN	10268.1	66
PK 500/6/10,00-V-BL DG	10246.4	79	PK 550/10/3,50-V DG	10255.4	66	PK 550/8/3,50-V DG	10253.4	66
PK 500/6/10,00-V-BL GN	10246.1	79	PK 550/10/3,50-V GN	10255.1	66	PK 550/8/3,50-V GN	10253.1	66
PK 500/6/10,16-H DG	10224.4	82	PK 550/11/3,50-H DG	10271.4	66	PK 550/8/7,00-H DG	10290.4	75
PK 500/6/10,16-H GN	10224.1	82	PK 550/11/3,50-H GN	10271.1	66	PK 550/8/7,00-H GN	10290.1	75
PK 500/6/10,16-V DG	10202.4	82	PK 550/11/3,50-V DG	10256.4	66	PK 550/8/7,00-V DG	10283.4	75
PK 500/6/10,16-V GN	10202.1	82	PK 550/11/3,50-V GN	10256.1	66	PK 550/8/7,00-V GN	10283.1	75
PK 500/6/5,00-H DG	10169.4	67	PK 550/12/3,50-H DG	10272.4	66	PK 550/9/3,50-H DG	10269.4	66
PK 500/6/5,00-H GN	10169.1	67	PK 550/12/3,50-H GN	10272.1	66	PK 550/9/3,50-H GN	10269.1	66
PK 500/6/5,00-H-BL GN	10717.1	68	PK 550/12/3,50-V DG	10257.4	66	PK 550/9/3,50-V DG	10254.4	66
PK 500/6/5,00-V DG	10147.4	67	PK 550/12/3,50-V GN	10257.1	66	PK 550/9/3,50-V GN	10254.1	66
PK 500/6/5,00-V GN	10147.1	67	PK 550/13/3,50-H DG	10273.4	66	PK 590/10/5,00 GN	12863.1	69
PK 500/6/5,00-V-BL DG	10235.4	68	PK 550/13/3,50-H GN	10273.1	66	PK 590/11/5,00 GN	12864.1	69
PK 500/6/5,00-V-BL GN	10235.1	68	PK 550/13/3,50-V DG	10258.4	66	PK 590/12/5,00 GN	12865.1	69

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PK 590/16/5,00 GN	12869.1	69	PK 700/14/5,08-H DG	12646.4	50	PK 700/23/5,00-H DG	12643.4	43
PK 590/17/5,00 GN	12870.1	69	PK 700/14/5,08-H GN	12646.1	50	PK 700/23/5,00-H GN	12643.1	43
PK 590/18/5,00 GN	12871.1	69	PK 700/14/5,08-V DG	12622.4	50	PK 700/23/5,00-V DG	12619.4	43
PK 590/19/5,00 GN	12872.1	69	PK 700/14/5,08-V GN	12622.1	50	PK 700/23/5,00-V GN	12619.1	43
PK 590/2/5,00 GN	12855.1	69	PK 700/15/5,00-H DG	12635.4	43	PK 700/23/5,08-H DG	12655.4	50
PK 590/20/5,00 GN	12873.1	69	PK 700/15/5,00-H GN	12635.1	43	PK 700/23/5,08-H GN	12655.1	50
PK 590/21/5,00 GN	12874.1	69	PK 700/15/5,00-V DG	12611.4	43	PK 700/23/5,08-V DG	12631.4	50
PK 590/22/5,00 GN	12875.1	69	PK 700/15/5,00-V GN	12611.1	43	PK 700/23/5,08-V GN	12631.1	50
PK 590/23/5,00 GN	12876.1	69	PK 700/15/5,08-H DG	12647.4	50	PK 700/24/5,00-H DG	12644.4	43
PK 590/24/5,00 GN	12877.1	69	PK 700/15/5,08-H GN	12647.1	50	PK 700/24/5,00-H GN	12644.1	43
PK 590/3/5,00 GN	12856.1	69	PK 700/15/5,08-V DG	12623.4	50	PK 700/24/5,00-V DG	12620.4	43
PK 590/4/5,00 GN	12857.1	69	PK 700/15/5,08-V GN	12623.1	50	PK 700/24/5,00-V GN	12620.1	43
PK 590/5/5,00 GN	12858.1	69	PK 700/16/5,00-H DG	12636.4	43	PK 700/24/5,08-H DG	12656.4	50
PK 590/6/5,00 GN	12859.1	69	PK 700/16/5,00-H GN	12636.1	43	PK 700/24/5,08-H GN	12656.1	50
PK 590/7/5,00 GN	12860.1	69	PK 700/16/5,00-V DG	12612.4	43	PK 700/24/5,08-V DG	12632.4	50
PK 590/8/5,00 GN	12861.1	69	PK 700/16/5,00-V GN	12612.1	43	PK 700/24/5,08-V GN	12632.1	50
PK 590/9/5,00 GN	12862.1	69	PK 700/16/5,08-H DG	12648.4	50	PK 700/3/5,0-V-BR GN	31483.1	44
PK 601/10/3,50-V GN	14131.1	39	PK 700/16/5,08-H GN	12648.1	50	PK 700/3/5,00-H DG	10446.4	43
PK 601/11/3,50-V GN	14132.1	39	PK 700/16/5,08-V DG	12624.4	50	PK 700/3/5,00-H GN	10446.1	43
PK 601/12/3,50-V GN	14133.1	39	PK 700/16/5,08-V GN	12624.1	50	PK 700/3/5,00-V DG	10424.4	43
PK 601/13/3,50-V GN	14134.1	39	PK 700/17/5,00-H DG	12637.4	43	PK 700/3/5,00-V GN	10424.1	43
PK 601/14/3,50-V GN	14135.1	39	PK 700/17/5,00-H GN	12637.1	43	PK 700/3/5,08-H DG	10457.4	50
PK 601/15/3,50-V GN	14136.1	39	PK 700/17/5,00-V DG	12613.4	43	PK 700/3/5,08-H GN	10457.1	50
PK 601/16/3,50-V GN	14137.1	39	PK 700/17/5,00-V GN	12613.1	43	PK 700/3/5,08-V DG	10435.4	50
PK 601/17/3,50-V GN	14138.1	39	PK 700/17/5,08-H DG	12649.4	50	PK 700/3/5,08-V GN	10435.1	50
PK 601/18/3,50-V GN	14139.1	39	PK 700/17/5,08-H GN	12649.1	50	PK 700/4/5,00-H DG	10447.4	43
PK 601/19/3,50-V GN	14140.1	39	PK 700/17/5,08-V DG	12625.4	50	PK 700/4/5,00-H GN	10447.1	43
PK 601/2/3,50-V GN	14123.1	39	PK 700/17/5,08-V GN	12625.1	50	PK 700/4/5,00-V DG	10425.4	43
PK 601/20/3,50-V GN	14141.1	39	PK 700/18/5,00-H DG	12638.4	43	PK 700/4/5,00-V GN	10425.1	43
PK 601/21/3,50-V GN	14142.1	39	PK 700/18/5,00-H GN	12638.1	43	PK 700/4/5,08-H DG	10458.4	50
PK 601/22/3,50-V GN	14143.1	39	PK 700/18/5,00-V DG	12614.4	43	PK 700/4/5,08-H GN	10458.1	50
PK 601/23/3,50-V GN	14144.1	39	PK 700/18/5,00-V GN	12614.1	43	PK 700/4/5,08-V DG	10436.4	50
PK 601/24/3,50-V GN	14145.1	39	PK 700/18/5,08-H DG	12650.4	50	PK 700/4/5,08-V GN	10436.1	50
PK 601/3/3,50-V GN	14124.1	39	PK 700/18/5,08-H GN	12650.1	50	PK 700/5/5,00-H DG	10448.4	43
PK 601/4/3,50-V GN	14125.1	39	PK 700/18/5,08-V DG	12626.4	50	PK 700/5/5,00-H GN	10448.1	43
PK 601/5/3,50-V GN	14126.1	39	PK 700/18/5,08-V GN	12626.1	50	PK 700/5/5,00-V DG	10426.4	43
PK 601/6/3,50-V GN	14127.1	39	PK 700/19/5,00-H DG	12639.4	43	PK 700/5/5,00-V GN	10426.1	43
PK 601/7/3,50-V GN	14128.1	39	PK 700/19/5,00-H GN	12639.1	43	PK 700/5/5,08-H DG	10459.4	50
PK 601/8/3,50-V GN	14129.1	39	PK 700/19/5,00-V DG	12615.4	43	PK 700/5/5,08-H GN	10459.1	50
PK 601/9/3,50-V GN	14130.1	39	PK 700/19/5,00-V GN	12615.1	43	PK 700/5/5,08-V DG	10437.4	50
PK 700/10/5,00-H DG	10453.4	43	PK 700/19/5,08-H DG	12651.4	50	PK 700/5/5,08-V GN	10437.1	50
PK 700/10/5,00-H GN	10453.1	43	PK 700/19/5,08-H GN	12651.1	50	PK 700/5/5,08-V DG	10449.4	43
PK 700/10/5,00-V DG	10431.4	43	PK 700/19/5,08-V DG	12627.4	50	PK 700/6/5,00-H GN	10449.1	43
PK 700/10/5,00-V GN	10431.1	43	PK 700/19/5,08-V GN	12627.1	50	PK 700/6/5,00-V DG	10427.4	43
PK 700/10/5,08-H DG	10464.4	50	PK 700/2/5,00-H DG	10445.4	43	PK 700/6/5,00-V GN	10427.1	43
PK 700/10/5,08-H GN	10464.1	50	PK 700/2/5,00-H GN	10445.1	43	PK 700/6/5,08-H DG	10460.4	50
PK 700/10/5,08-V DG	10442.4	50	PK 700/2/5,00-V DG	10423.4	43	PK 700/6/5,08-H GN	10460.1	50
PK 700/10/5,08-V GN	10442.1	50	PK 700/2/5,00-V GN	10423.1	43	PK 700/6/5,08-V DG	10438.4	50
PK 700/11/5,00-H DG	10454.4	43	PK 700/2/5,08-H DG	10456.4	50	PK 700/6/5,08-V GN	10438.1	50
PK 700/11/5,00-H GN	10454.1	43	PK 700/2/5,08-H GN	10456.1	50	PK 700/7/5,00-H DG	10450.4	43
PK 700/11/5,00-V DG	10432.4	43	PK 700/2/5,08-V DG	10434.4	50	PK 700/7/5,00-H GN	10450.1	43
PK 700/11/5,00-V GN	10432.1	43	PK 700/2/5,08-V GN	10434.1	50	PK 700/7/5,00-V DG	10428.4	43
PK 700/11/5,08-H DG	10465.4	50	PK 700/20/5,00-H DG	12640.4	43	PK 700/7/5,00-V GN	10428.1	43
PK 700/11/5,08-H GN	10465.1	50	PK 700/20/5,00-H GN	12640.1	43	PK 700/7/5,08-H DG	10461.4	50
PK 700/11/5,08-V DG	10443.4	50	PK 700/20/5,00-V DG	12616.4	43	PK 700/7/5,08-H GN	10461.1	50
PK 700/11/5,08-V GN	10443.1	50	PK 700/20/5,00-V GN	12616.1	43	PK 700/7/5,08-V DG	10439.4	50
PK 700/12/5,00-H DG	10455.4	43	PK 700/20/5,08-H DG	12652.4	50	PK 700/7/5,08-V GN	10439.1	50
PK 700/12/5,00-H GN	10455.1	43	PK 700/20/5,08-H GN	12652.1	50	PK 700/8/5,00-H DG	10451.4	43
PK 700/12/5,00-V DG	10433.4	43	PK 700/20/5,08-V DG	12628.4	50	PK 700/8/5,00-H GN	10451.1	43
PK 700/12/5,00-V GN	10433.1	43	PK 700/20/5,08-V GN	12628.1	50	PK 700/8/5,00-V DG	10429.4	43
PK 700/12/5,08-H DG	10466.4	50	PK 700/21/5,00-H DG	12641.4	43	PK 700/8/5,00-V GN	10429.1	43
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PK 700/12/5,08-V GN	10444.1	50	PK 700/21/5,00-V GN	12617.1	43	PK 700/8/5,08-V DG	10440.4	50
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PKDZ 770/16/5,08-V GN	12938.1	52	PKT 2200/15/7,50-V GN	10607.1	63	PKT 2200/5/5,00-V GN	10549.1	62
PKDZ 770/17/5,08-V GN	12939.1	52	PKT 2200/16/10,00-H GN	10680.1	64	PKT 2200/5/7,50-H GN	10621.1	63
PKDZ 770/18/5,08-V GN	12940.1	52	PKT 2200/16/10,00-V GN	10656.1	64	PKT 2200/5/7,50-V GN	10597.1	63
PKDZ 770/19/5,08-V GN	12941.1	52	PKT 2200/16/5,00-H GN	10584.1	62	PKT 2200/6/10,00-H GN	10670.1	64
PKDZ 770/2/5,08-V GN	12924.1	52	PKT 2200/16/5,00-V GN	10560.1	62	PKT 2200/6/10,00-V GN	10646.1	64
PKDZ 770/20/5,08-V GN	12942.1	52	PKT 2200/16/7,50-H GN	10632.1	63	PKT 2200/6/5,00-H GN	10574.1	62
PKDZ 770/21/5,08-V GN	12943.1	52	PKT 2200/16/7,50-V GN	10608.1	63	PKT 2200/6/5,00-V GN	10550.1	62
PKDZ 770/22/5,08-V GN	12944.1	52	PKT 2200/17/10,00-H GN	10681.1	64	PKT 2200/6/7,50-H GN	10622.1	63
PKDZ 770/23/5,08-V GN	12945.1	52	PKT 2200/17/10,00-V GN	10657.1	64	PKT 2200/6/7,50-V GN	10598.1	63
PKDZ 770/24/5,08-V GN	12946.1	52	PKT 2200/17/5,00-H GN	10585.1	62	PKT 2200/7/10,00-H GN	10671.1	64
PKDZ 770/3/5,08-V GN	12925.1	52	PKT 2200/17/5,00-V GN	10561.1	62	PKT 2200/7/10,00-V GN	10647.1	64
PKDZ 770/4/5,08-V GN	12926.1	52	PKT 2200/17/7,50-H GN	10633.1	63	PKT 2200/7/5,00-H GN	10575.1	62
PKDZ 770/5/5,08-V GN	12927.1	52	PKT 2200/17/7,50-V GN	10609.1	63	PKT 2200/7/5,00-V GN	10551.1	62
PKDZ 770/6/5,08-V GN	12928.1	52	PKT 2200/18/10,00-H GN	10682.1	64	PKT 2200/7/7,50-H GN	10623.1	63
PKDZ 770/7/5,08-V GN	12929.1	52	PKT 2200/18/10,00-V GN	10658.1	64	PKT 2200/7/7,50-V GN	10599.1	63
PKDZ 770/8/5,08-V GN	12930.1	52	PKT 2200/18/5,00-H GN	10586.1	62	PKT 2200/8/10,00-H GN	10672.1	64
PKDZ 770/9/5,08-V GN	12931.1	52	PKT 2200/18/5,00-V GN	10562.1	62	PKT 2200/8/10,00-V GN	10648.1	64
PKH 793/10/5,00-V DG	10521.4	46	PKT 2200/18/7,50-H GN	10634.1	63	PKT 2200/8/5,00-H GN	10576.1	62
PKH 793/10/5,00-V GN	10521.1	46	PKT 2200/18/7,50-V GN	10610.1	63	PKT 2200/8/5,00-V GN	10552.1	62
PKH 793/12/5,00-V DG	10522.4	46	PKT 2200/19/10,00-H GN	10683.1	64	PKT 2200/8/7,50-H GN	10624.1	63
PKH 793/12/5,00-V GN	10522.1	46	PKT 2200/19/10,00-V GN	10659.1	64	PKT 2200/8/7,50-V GN	10600.1	63
PKH 793/14/5,00-V DG	12708.4	46	PKT 2200/19/5,00-H GN	10587.1	62	PKT 2200/9/10,00-H GN	10673.1	64
PKH 793/14/5,00-V GN	12708.1	46	PKT 2200/19/5,00-V GN	10563.1	62	PKT 2200/9/10,00-V GN	10649.1	64
PKH 793/16/5,00-V DG	12709.4	46	PKT 2200/19/7,50-H GN	10635.1	63	PKT 2200/9/5,00-H GN	10577.1	62
PKH 793/16/5,00-V GN	12709.1	46	PKT 2200/19/7,50-V GN	10611.1	63	PKT 2200/9/5,00-V GN	10553.1	62
PKH 793/18/5,00-V DG	12710.4	46	PKT 2200/20/10,00-H GN	10666.1	64	PKT 2200/9/7,50-H GN	10625.1	63
PKH 793/18/5,00-V GN	12710.1	46	PKT 2200/20/10,00-V GN	10642.1	64	PKT 2200/9/7,50-V GN	10601.1	63
PKH 793/2/5,00-V DG	10517.4	46	PKT 2200/2/5,00-H GN	10570.1	62	PKZ 601/10/3,81-V GN	31460.1	40
PKH 793/2/5,00-V GN	10517.1	46	PKT 2200/2/5,00-V GN	10546.1	62	PKZ 601/11/3,81-V GN	31461.1	40
PKH 793/20/5,00-V DG	12711.4	46	PKT 2200/2/7,50-H GN	10618.1	63	PKZ 601/12/3,81-V GN	31462.1	40
PKH 793/20/5,00-V GN	12711.1	46	PKT 2200/2/7,50-V GN	10594.1	63	PKZ 601/13/3,81-V GN	31463.1	40
PKH 793/22/5,00-V DG	12712.4	46	PKT 2200/20/10,00-H GN	10684.1	64	PKZ 601/14/3,81-V GN	31464.1	40
PKH 793/22/5,00-V GN	12712.1	46	PKT 2200/20/10,00-V GN	10660.1	64	PKZ 601/15/3,81-V GN	31465.1	40
PKH 793/24/5,00-V DG	12713.4	46	PKT 2200/20/5,00-H GN	10588.1	62	PKZ 601/16/3,81-V GN	31466.1	40
PKH 793/24/5,00-V GN	12713.1	46	PKT 2200/20/5,00-V GN	10564.1	62	PKZ 601/17/3,81-V GN	31467.1	40
PKH 793/4/5,00-V DG	10518.4	46	PKT 2200/20/7,50-H GN	10636.1	63	PKZ 601/18/3,81-V GN	31468.1	40
PKH 793/4/5,00-V GN	10518.1	46	PKT 2200/20/7,50-V GN	10612.1	63	PKZ 601/19/3,81-V GN	31469.1	40
PKH 793/6/5,00-V DG	10519.4	46	PKT 2200/21/10,00-H GN	10685.1	64	PKZ 601/2/3,81-V GN	31452.1	40
PKH 793/6/5,00-V GN	10519.1	46	PKT 2200/21/10,00-V GN	10661.1	64	PKZ 601/20/3,81-V GN	31470.1	40
PKH 793/8/5,00-V DG	10520.4	46	PKT 2200/21/5,00-H GN	10589.1	62	PKZ 601/21/3,81-V GN	31471.1	40
PKH 793/8/5,00-V GN	10520.1	46	PKT 2200/21/5,00-V GN	10565.1	62	PKZ 601/22/3,81-V GN	31472.1	40
PKT 2200/10/10,00-H GN	10674.1	64	PKT 2200/21/7,50-H GN	10637.1	63	PKZ 601/23/3,81-V GN	31473.1	40
PKT 2200/10/10,00-V GN	10650.1	64	PKT 2200/21/7,50-V GN	10613.1	63	PKZ 601/24/3,81-V GN	31474.1	40
PKT 2200/10/5,00-H GN	10578.1	62	PKT 2200/22/10,00-H GN	10686.1	64	PKZ 601/3/3,81-V GN	31453.1	40
PKT 2200/10/5,00-V GN	10554.1	62	PKT 2200/22/10,00-V GN	10662.1	64	PKZ 601/4/3,81-V GN	31454.1	40
PKT 2200/10/7,50-H GN	10626.1	63	PKT 2200/22/5,00-H GN	10590.1	62	PKZ 601/5/3,81-V GN	31455.1	40
PKT 2200/10/7,50-V GN	10602.1	63	PKT 2200/22/5,00-V GN	10566.1	62	PKZ 601/6/3,81-V GN	31456.1	40
PKT 2200/11/10,00-H GN	10675.1	64	PKT 2200/22/7,50-H GN	10638.1	63	PKZ 601/7/3,81-V GN	31457.1	40
PKT 2200/11/10,00-V GN	10651.1	64	PKT 2200/22/7,50-V GN	10614.1	63	PKZ 601/8/3,81-V GN	31458.1	40
PKT 2200/11/5,00-H GN	10579.1	62	PKT 2200/23/10,00-H GN	10687.1	64	PKZ 601/9/3,81-V GN	31459.1	40
PKT 2200/11/5,00-V GN	10555.1	62	PKT 2200/23/10,00-V GN	10663.1	64	PKZ 602/10/3,81-V GN	12886.1	40
PKT 2200/11/7,50-H GN	10627.1	63	PKT 2200/23/5,00-H GN	10591.1	62	PKZ 602/11/3,81-V GN	12887.1	40
PKT 2200/11/7,50-V GN	10603.1	63	PKT 2200/23/5,00-V GN	10567.1	62	PKZ 602/12/3,81-V GN	12888.1	40
PKT 2200/12/10,00-H GN	10676.1	64	PKT 2200/23/7,50-H GN	10639.1	63	PKZ 602/13/3,81-V GN	12889.1	40
PKT 2200/12/10,00-V GN	10652.1	64	PKT 2200/23/7,50-V GN	10615.1	63	PKZ 602/14/3,81-V GN	12890.1	40
PKT 2200/12/5,00-H GN	10580.1	62	PKT 2200/24/10,00-H GN	10688.1	64	PKZ 602/15/3,81-V GN	12891.1	40
PKT 2200/12/5,00-V GN	10556.1	62	PKT 2200/24/10,00-V GN	10664.1	64	PKZ 602/16/3,81-V GN	12892.1	40
PKT 2200/12/7,50-H GN	10628.1	63	PKT 2200/24/5,00-H GN	10592.1	62	PKZ 602/2/3,81-V GN	12878.1	40
PKT 2200/12/7,50-V GN	10604.1	63	PKT 2200/24/5,00-V GN	10568.1	62	PKZ 602/3/3,81-V GN	12879.1	40
PKT 2200/13/10,00-H GN	10677.1	64	PKT 2200/24/7,50-H GN	10640.1	63	PKZ 602/4/3,81-V GN	12880.1	40
PKT 2200/13/10,00-V GN	10653.1	64	PKT 2200/24/7,50-V GN	10616.1	63	PKZ 602/5/3,81-V GN	12881.1	40
PKT 2200/13/5,00-H GN	10581.1	62	PKT 2200/3/10,00-H GN	10667.1	64	PKZ 602/6/3,81-V GN	12882.1	40
PKT 2200/13/5,00-V GN	10557.1	62	PKT 2200/3/10,00-V GN	10643.1	64	PKZ 602/7/3,81-V GN	12883.1	40
PKT 2200/13/7,50-H GN	10629.1	63	PKT 2200/3/5,00-H GN	10571.1	62	PKZ 602/8/3,81-V GN	12884.1	40
PKT 2200/13/7,50-V GN	10605.1	63	PKT 2200/3/5,00-V GN	10547.1	62	PKZ 602/9/3,81-V GN	12885.1	40
PKT 2200/14/10,00-H GN	10678.1	64	PKT 2200/3/7,50-H GN	10619.1	63	PKZ 692/10/2,54-V GN	14108.1	38
PKT 2200/14/10,00-V GN	10654.1	64	PKT 2200/3/7,50-V GN	10595.1	63	PKZ 692/11/2,54-V GN	14109.1	38
PKT 2200/14/5,00-H GN	10582.1	62	PKT 2200/4/10,00-H GN	10668.1	64	PKZ 692/12/2,54-V GN	14110.1	38
PKT 2200/14/5,00-V GN	10558.1	62	PKT 2200/4/10,00-V GN	10644.1	64	PKZ 692/13/2,54-V GN	14111.1	38
PKT 2200/14/7,50-H GN	10630.1	63	PKT 2200/4/5,00-H GN	10572.1	62	PKZ 692/14/2,54-V GN	14112.1	38
PKT 2200/14/7,50-V GN	10606.1	63	PKT 2200/4/5,00-V GN	10548.1	62	PKZ 692/15/2,54-V GN	14113.1	38
PKT 2200/15/10,00-H GN	10679.1	64	PKT 2200/4/7,50-H GN	10620.1	63	PKZ 692/16/2,54-V GN	14114.1	38
PKT 2200/15/10,00-V GN	10655.1	64	PKT 2200/4/7,50-V GN	10596.1	63	PKZ 692/17/2,54-V GN	14115.1	38
PKT 2200/15/5,00-H GN	10583.1	62	PKT 2200/5/10,00-H GN	10669.1	64	PKZ 692/18/2,54-V GN	14117.1	38
PKT 2200/15/5,00-V GN	10559.1	62	PKT 2200/5/10,00-V GN	10645.1	64	PKZ 692/19/2,54-V GN	14118.1	38

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PKZ 692/2/2,54-V GN	14100.1	38	PZK 3000/13/5,00/5,08 GN	10701.1	27	PZK 3001/17/5,00/5,08-FD LG	10849.0	28
PKZ 692/20/2,54-V GN	14119.1	38	PZK 3000/13/5,00/5,08 LG	10701.0	27	PZK 3001/17/5,00/5,08-KD GN	10801.1	27
PKZ 692/21/2,54-V GN	14120.1	38	PZK 3000/14/5,00/5,08 GN	10702.1	27	PZK 3001/17/5,00/5,08-KD LG	10801.0	27
PKZ 692/22/2,54-V GN	14121.1	38	PZK 3000/14/5,00/5,08 LG	10702.0	27	PZK 3001/17/5,00/5,08-WD GN	30787.1	28
PKZ 692/23/2,54-V GN	14122.1	38	PZK 3000/15/5,00/5,08 GN	10703.1	27	PZK 3001/18/5,00/5,08-FD GN	10850.1	28
PKZ 692/24/2,54-V GN	14116.1	38	PZK 3000/15/5,00/5,08 LG	10703.0	27	PZK 3001/18/5,00/5,08-FD LG	10850.0	28
PKZ 692/3/2,54-V GN	14101.1	38	PZK 3000/16/5,00/5,08 GN	10704.1	27	PZK 3001/18/5,00/5,08-KD GN	10802.1	27
PKZ 692/4/2,54-V GN	14102.1	38	PZK 3000/16/5,00/5,08 LG	10704.0	27	PZK 3001/18/5,00/5,08-KD LG	10802.0	27
PKZ 692/5/2,54-V GN	14103.1	38	PZK 3000/17/5,00/5,08 GN	10705.1	27	PZK 3001/18/5,00/5,08-WD GN	30788.1	28
PKZ 692/6/2,54-V GN	14104.1	38	PZK 3000/17/5,00/5,08 LG	10705.0	27	PZK 3001/19/5,00/5,08-FD GN	10851.1	28
PKZ 692/7/2,54-V GN	14105.1	38	PZK 3000/18/5,00/5,08 GN	10706.1	27	PZK 3001/19/5,00/5,08-FD LG	10851.0	28
PKZ 692/8/2,54-V GN	14106.1	38	PZK 3000/18/5,00/5,08 LG	10706.0	27	PZK 3001/19/5,00/5,08-KD GN	10803.1	27
PKZ 692/9/2,54-V GN	14107.1	38	PZK 3000/19/5,00/5,08 GN	10707.1	27	PZK 3001/19/5,00/5,08-KD LG	10803.0	27
PKZ 840/10/6,35-V GN	10531.1	53	PZK 3000/19/5,00/5,08 LG	10707.0	27	PZK 3001/19/5,00/5,08-WD GN	30789.1	28
PKZ 840/11/6,35-V GN	10532.1	53	PZK 3000/2/5,00/5,08 GN	10690.1	27	PZK 3001/2/5,00/5,08-FD GN	10834.1	28
PKZ 840/12/6,35-V GN	10533.1	53	PZK 3000/2/5,00/5,08 LG	10690.0	27	PZK 3001/2/5,00/5,08-FD LG	10834.0	28
PKZ 840/13/6,35-V GN	12714.1	53	PZK 3000/20/5,00/5,08 GN	10708.1	27	PZK 3001/2/5,00/5,08-KD GN	10786.1	27
PKZ 840/14/6,35-V GN	12715.1	53	PZK 3000/20/5,00/5,08 LG	10708.0	27	PZK 3001/2/5,00/5,08-KD LG	10786.0	27
PKZ 840/15/6,35-V GN	12716.1	53	PZK 3000/21/5,00/5,08 GN	10709.1	27	PZK 3001/2/5,00/5,08-WD GN	30772.1	28
PKZ 840/16/6,35-V GN	12717.1	53	PZK 3000/21/5,00/5,08 LG	10709.0	27	PZK 3001/20/5,00/5,08-FD GN	10852.1	28
PKZ 840/2/6,35-V GN	10523.1	53	PZK 3000/22/5,00/5,08 GN	10710.1	27	PZK 3001/20/5,00/5,08-FD LG	10852.0	28
PKZ 840/3/6,35-V GN	10524.1	53	PZK 3000/22/5,00/5,08 LG	10710.0	27	PZK 3001/20/5,00/5,08-KD GN	10804.1	27
PKZ 840/4/6,35-V GN	10525.1	53	PZK 3000/23/5,00/5,08 GN	10711.1	27	PZK 3001/20/5,00/5,08-KD LG	10804.0	27
PKZ 840/5/6,35-V GN	10526.1	53	PZK 3000/23/5,00/5,08 LG	10711.0	27	PZK 3001/20/5,00/5,08-WD GN	30790.1	28
PKZ 840/6/6,35-V GN	10527.1	53	PZK 3000/24/5,00/5,08 GN	10712.1	27	PZK 3001/21/5,00/5,08-FD GN	10853.1	28
PKZ 840/7/6,35-V GN	10528.1	53	PZK 3000/24/5,00/5,08 LG	10712.0	27	PZK 3001/21/5,00/5,08-FD LG	10853.0	28
PKZ 840/8/6,35-V GN	10529.1	53	PZK 3000/3/5,00/5,08 GN	10691.1	27	PZK 3001/21/5,00/5,08-KD GN	10805.1	27
PKZ 840/9/6,35-V GN	10530.1	53	PZK 3000/3/5,00/5,08 LG	10691.0	27	PZK 3001/21/5,00/5,08-KD LG	10805.0	27
PKZ 841/10/9,52-V GN	10542.1	57	PZK 3000/4/5,00/5,08 GN	10692.1	27	PZK 3001/21/5,00/5,08-WD GN	30791.1	28
PKZ 841/11/9,52-V GN	10543.1	57	PZK 3000/4/5,00/5,08 LG	10692.0	27	PZK 3001/22/5,00/5,08-FD GN	10854.1	28
PKZ 841/12/9,52-V GN	10544.1	57	PZK 3000/5/5,00/5,08 GN	10693.1	27	PZK 3001/22/5,00/5,08-FD LG	10854.0	28
PKZ 841/13/9,52-V GN	12726.1	57	PZK 3000/5/5,00/5,08 LG	10693.0	27	PZK 3001/22/5,00/5,08-KD GN	10806.1	27
PKZ 841/14/9,52-V GN	12727.1	57	PZK 3000/6/5,00/5,08 GN	10694.1	27	PZK 3001/22/5,00/5,08-KD LG	10806.0	27
PKZ 841/15/9,52-V GN	12728.1	57	PZK 3000/6/5,00/5,08 LG	10694.0	27	PZK 3001/22/5,00/5,08-WD GN	30792.1	28
PKZ 841/16/9,52-V GN	12729.1	57	PZK 3000/7/5,00/5,08 GN	10695.1	27	PZK 3001/23/5,00/5,08-FD GN	10855.1	28
PKZ 841/2/9,52-V GN	10534.1	57	PZK 3000/7/5,00/5,08 LG	10695.0	27	PZK 3001/23/5,00/5,08-FD LG	10855.0	28
PKZ 841/3/9,52-V GN	10535.1	57	PZK 3000/8/5,00/5,08 GN	10696.1	27	PZK 3001/23/5,00/5,08-KD GN	10807.1	27
PKZ 841/4/9,52-V GN	10536.1	57	PZK 3000/8/5,00/5,08 LG	10696.0	27	PZK 3001/23/5,00/5,08-KD LG	10807.0	27
PKZ 841/5/9,52-V GN	10537.1	57	PZK 3000/9/5,00/5,08 GN	10697.1	27	PZK 3001/23/5,00/5,08-WD GN	30793.1	28
PKZ 841/6/9,52-V GN	10538.1	57	PZK 3000/9/5,00/5,08 LG	10697.0	27	PZK 3001/24/5,00/5,08-FD GN	10856.1	28
PKZ 841/7/9,52-V GN	10539.1	57	PZK 3001/10/5,00/5,08-FD GN	10842.1	28	PZK 3001/24/5,00/5,08-FD LG	10856.0	28
PKZ 841/8/9,52-V GN	10540.1	57	PZK 3001/10/5,00/5,08-FD LG	10842.0	28	PZK 3001/24/5,00/5,08-KD GN	10808.1	27
PKZ 841/9/9,52-V GN	10541.1	57	PZK 3001/10/5,00/5,08-KD GN	10794.1	27	PZK 3001/24/5,00/5,08-KD LG	10808.0	27
PMC BSTR 10x12/10 WH	9433.7	178-180	PZK 3001/10/5,00/5,08-KD LG	10794.0	27	PZK 3001/24/5,00/5,08-WD GN	30794.1	28
		181	PZK 3001/10/5,00/5,08-WD GN	30780.1	28	PZK 3001/3/5,00/5,08-FD GN	10835.1	28
PMC BSTR 8x12/21 WH	9410.7	176	PZK 3001/11/5,00/5,08-FD GN	10843.1	28	PZK 3001/3/5,00/5,08-FD LG	10835.0	28
		177	PZK 3001/11/5,00/5,08-FD LG	10843.0	28	PZK 3001/3/5,00/5,08-KD GN	10787.1	27
PZB 3950/10/5,00 GN	11420.1	98	PZK 3001/11/5,00/5,08-KD GN	10795.1	27	PZK 3001/3/5,00/5,08-KD LG	10787.0	27
PZB 3950/11/5,00 GN	11421.1	98	PZK 3001/11/5,00/5,08-KD LG	10795.0	27	PZK 3001/3/5,00/5,08-WD GN	30773.1	28
PZB 3950/12/5,00 GN	11422.1	98	PZK 3001/11/5,00/5,08-WD GN	30781.1	28	PZK 3001/4/5,00/5,08-FD GN	10836.1	28
PZB 3950/13/5,00 GN	11423.1	98	PZK 3001/12/5,00/5,08-FD GN	10844.1	28	PZK 3001/4/5,00/5,08-FD LG	10836.0	28
PZB 3950/14/5,00 GN	11424.1	98	PZK 3001/12/5,00/5,08-FD LG	10844.0	28	PZK 3001/4/5,00/5,08-KD GN	10788.1	27
PZB 3950/15/5,00 GN	11425.1	98	PZK 3001/12/5,00/5,08-KD GN	10796.1	27	PZK 3001/4/5,00/5,08-KD LG	10788.0	27
PZB 3950/16/5,00 GN	11426.1	98	PZK 3001/12/5,00/5,08-KD LG	10796.0	27	PZK 3001/4/5,00/5,08-WD GN	30774.1	28
PZB 3950/17/5,00 GN	11427.1	98	PZK 3001/12/5,00/5,08-WD GN	30782.1	28	PZK 3001/5/5,00/5,08-FD GN	10837.1	28
PZB 3950/18/5,00 GN	11428.1	98	PZK 3001/13/5,00/5,08-FD GN	10845.1	28	PZK 3001/5/5,00/5,08-FD LG	10837.0	28
PZB 3950/19/5,00 GN	11429.1	98	PZK 3001/13/5,00/5,08-FD LG	10845.0	28	PZK 3001/5/5,00/5,08-KD GN	10789.1	27
PZB 3950/2/5,00 GN	11412.1	98	PZK 3001/13/5,00/5,08-KD GN	10797.1	27	PZK 3001/5/5,00/5,08-KD LG	10789.0	27
PZB 3950/20/5,00 GN	11430.1	98	PZK 3001/13/5,00/5,08-KD LG	10797.0	27	PZK 3001/5/5,00/5,08-WD GN	30775.1	28
PZB 3950/21/5,00 GN	11431.1	98	PZK 3001/13/5,00/5,08-WD GN	30783.1	28	PZK 3001/6/5,00/5,08-FD GN	10838.1	28
PZB 3950/22/5,00 GN	11432.1	98	PZK 3001/14/5,00/5,08-FD GN	10846.1	28	PZK 3001/6/5,00/5,08-FD LG	10838.0	28
PZB 3950/23/5,00 GN	11433.1	98	PZK 3001/14/5,00/5,08-FD LG	10846.0	28	PZK 3001/6/5,00/5,08-KD GN	10790.1	27
PZB 3950/24/5,00 GN	11434.1	98	PZK 3001/14/5,00/5,08-KD GN	10798.1	27	PZK 3001/6/5,00/5,08-KD LG	10790.0	27
PZB 3950/3/5,00 GN	11413.1	98	PZK 3001/14/5,00/5,08-KD LG	10798.0	27	PZK 3001/6/5,00/5,08-WD GN	30776.1	28
PZB 3950/4/5,00 GN	11414.1	98	PZK 3001/14/5,00/5,08-WD GN	30784.1	28	PZK 3001/7/5,00/5,08-FD GN	10839.1	28
PZB 3950/5/5,00 GN	11415.1	98	PZK 3001/15/5,00/5,08-FD GN	10847.1	28	PZK 3001/7/5,00/5,08-FD LG	10839.0	28
PZB 3950/6/5,00 GN	11416.1	98	PZK 3001/15/5,00/5,08-FD LG	10847.0	28	PZK 3001/7/5,00/5,08-KD GN	10791.1	27
PZB 3950/7/5,00 GN	11417.1	98	PZK 3001/15/5,00/5,08-KD GN	10799.1	27	PZK 3001/7/5,00/5,08-KD LG	10791.0	27
PZB 3950/8/5,00 GN	11418.1	98	PZK 3001/15/5,00/5,08-KD LG	10799.0	27	PZK 3001/7/5,00/5,08-WD GN	30777.1	28
PZB 3950/9/5,00 GN	11419.1	98	PZK 3001/15/5,00/5,08-WD GN	30785.1	28	PZK 3001/8/5,00/5,08-FD GN	10840.1	28
PZK 3000/10/5,00/5,08 GN	10698.1	27	PZK 3001/16/5,00/5,08-FD GN	10848.1	28	PZK 3001/8/5,00/5,08-FD LG	10840.0	28
PZK 3000/10/5,00/5,08 LG	10698.0	27	PZK 3001/16/5,00/5,08-FD LG	10848.0	28	PZK 3001/8/5,00/5,08-KD GN	10792.1	27
PZK 3000/11/5,00/5,08 GN	10699.1	27	PZK 3001/16/5,00/5,08-KD GN	10800.1	27	PZK 3001/8/5,00/5,08-KD LG	10792.0	27
PZK 3000/11/5,00/5,08 LG	10699.0	27	PZK 3001/16/5,00/5,08-KD LG	10800.0	27	PZK 3001/8/5,00/5,08-WD GN	30778.1	28
PZK 3000/12/5,00/5,08 GN	10700.1	27	PZK 3001/16/5,00/5,08-WD GN	30786.1	28	PZK 3001/9/5,00/5,08-FD GN	10841.1	28
PZK 3000/12/5,00/5,08 LG	10700.0	27	PZK 3001/17/5,00/5,08-FD GN	10849.1	28	PZK 3001/9/5,00/5,08-FD LG	10841.0	28

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PZK 3001/9/5,00/5,08-KD LG	10793.0	27	PZK 3011/15/7,50/7,62-KD LG	10895.0	33	PZK 3011/7/7,50/7,62-WD GN	31337.1	34
PZK 3001/9/5,00/5,08-WD GN	30779.1	28	PZK 3011/15/7,50/7,62-WD GN	31345.1	34	PZK 3011/8/7,50/7,62-FD GN	10936.1	34
PZK 3010/10/7,50/7,62 GN	10746.1	33	PZK 3011/16/7,50/7,62-FD GN	10944.1	34	PZK 3011/8/7,50/7,62-FD LG	10936.0	34
PZK 3010/10/7,50/7,62 LG	10746.0	33	PZK 3011/16/7,50/7,62-FD LG	10944.0	34	PZK 3011/8/7,50/7,62-KD GN	10888.1	33
PZK 3010/11/7,50/7,62 GN	10747.1	33	PZK 3011/16/7,50/7,62-KD GN	10896.1	33	PZK 3011/8/7,50/7,62-KD LG	10888.0	33
PZK 3010/11/7,50/7,62 LG	10747.0	33	PZK 3011/16/7,50/7,62-KD LG	10896.0	33	PZK 3011/8/7,50/7,62-WD GN	31338.1	34
PZK 3010/12/7,50/7,62 GN	10748.1	33	PZK 3011/16/7,50/7,62-WD GN	31346.1	34	PZK 3011/9/7,50/7,62-FD GN	10937.1	34
PZK 3010/12/7,50/7,62 LG	10748.0	33	PZK 3011/17/7,50/7,62-FD GN	10945.1	34	PZK 3011/9/7,50/7,62-FD LG	10937.0	34
PZK 3010/12/7,50/7,62 GN	10749.1	33	PZK 3011/17/7,50/7,62-FD LG	10945.0	34	PZK 3011/9/7,50/7,62-KD GN	10889.1	33
PZK 3010/12/7,50/7,62 LG	10749.0	33	PZK 3011/17/7,50/7,62-KD GN	10897.1	33	PZK 3011/9/7,50/7,62-KD LG	10889.0	33
PZK 3010/13/7,50/7,62 GN	10750.1	33	PZK 3011/17/7,50/7,62-KD LG	10897.0	33	PZK 3011/9/7,50/7,62-WD GN	31339.1	34
PZK 3010/13/7,50/7,62 LG	10750.0	33	PZK 3011/17/7,50/7,62-WD GN	31347.1	34	PZK 3020/10/10,00/10,16 GN	10986.1	35
PZK 3010/14/7,50/7,62 GN	10751.1	33	PZK 3011/18/7,50/7,62-FD GN	10946.1	34	PZK 3020/10/10,00/10,16 LG	10986.0	35
PZK 3010/14/7,50/7,62 LG	10751.0	33	PZK 3011/18/7,50/7,62-FD LG	10946.0	34	PZK 3020/11/10,00/10,16 GN	10987.1	35
PZK 3010/15/7,50/7,62 GN	10752.1	33	PZK 3011/18/7,50/7,62-KD LG	10898.0	33	PZK 3020/11/10,00/10,16 LG	10987.0	35
PZK 3010/15/7,50/7,62 LG	10752.0	33	PZK 3011/18/7,50/7,62-KD GN	10898.1	33	PZK 3020/12/10,00/10,16 GN	10988.1	35
PZK 3010/16/7,50/7,62 GN	10753.1	33	PZK 3011/18/7,50/7,62-WD GN	31348.1	34	PZK 3020/12/10,00/10,16 LG	10988.0	35
PZK 3010/16/7,50/7,62 LG	10753.0	33	PZK 3011/19/7,50/7,62-FD GN	10947.1	34	PZK 3020/13/10,00/10,16 GN	10989.1	35
PZK 3010/17/7,50/7,62 GN	10754.1	33	PZK 3011/19/7,50/7,62-FD LG	10947.0	34	PZK 3020/13/10,00/10,16 LG	10989.0	35
PZK 3010/17/7,50/7,62 LG	10754.0	33	PZK 3011/19/7,50/7,62-KD GN	10899.0	33	PZK 3020/14/10,00/10,16 GN	10990.1	35
PZK 3010/18/7,50/7,62 GN	10755.1	33	PZK 3011/19/7,50/7,62-KD LG	10899.1	33	PZK 3020/14/10,00/10,16 LG	10990.0	35
PZK 3010/18/7,50/7,62 LG	10755.0	33	PZK 3011/19/7,50/7,62-WD GN	31349.1	34	PZK 3020/15/10,00/10,16 GN	10991.1	35
PZK 3010/19/7,50/7,62 GN	10738.1	33	PZK 3011/19/7,50/7,62-WD LG	31349.0	34	PZK 3020/15/10,00/10,16 LG	10991.0	35
PZK 3010/19/7,50/7,62 LG	10738.0	33	PZK 3011/2/7,50/7,62-FD GN	10930.1	34	PZK 3020/16/10,00/10,16 GN	10992.1	35
PZK 3010/20/7,50/7,62 GN	10738.1	33	PZK 3011/2/7,50/7,62-FD LG	10930.0	34	PZK 3020/16/10,00/10,16 LG	10992.0	35
PZK 3010/20/7,50/7,62 LG	10738.0	33	PZK 3011/2/7,50/7,62-KD GN	10882.1	33	PZK 3020/17/10,00/10,16 GN	10993.1	35
PZK 3010/20/7,50/7,62 GN	10756.1	33	PZK 3011/2/7,50/7,62-KD LG	10882.0	33	PZK 3020/17/10,00/10,16 LG	10993.0	35
PZK 3010/20/7,50/7,62 LG	10756.0	33	PZK 3011/2/7,50/7,62-WD GN	31332.1	34	PZK 3020/18/10,00/10,16 GN	10994.1	35
PZK 3010/21/7,50/7,62 GN	10757.1	33	PZK 3011/2/7,50/7,62-WD LG	31332.0	34	PZK 3020/18/10,00/10,16 LG	10994.0	35
PZK 3010/21/7,50/7,62 LG	10757.0	33	PZK 3011/20/7,50/7,62-FD GN	10948.1	34	PZK 3020/19/10,00/10,16 GN	10995.1	35
PZK 3010/22/7,50/7,62 GN	10758.1	33	PZK 3011/20/7,50/7,62-FD LG	10948.0	34	PZK 3020/19/10,00/10,16 LG	10995.0	35
PZK 3010/22/7,50/7,62 LG	10758.0	33	PZK 3011/20/7,50/7,62-KD GN	10900.0	33	PZK 3020/20/10,00/10,16 GN	10996.1	35
PZK 3010/23/7,50/7,62 GN	10759.1	33	PZK 3011/20/7,50/7,62-KD LG	10900.1	33	PZK 3020/20/10,00/10,16 LG	10996.0	35
PZK 3010/23/7,50/7,62 LG	10759.0	33	PZK 3011/20/7,50/7,62-WD GN	31350.1	34	PZK 3020/21/10,00/10,16 GN	10997.1	35
PZK 3010/24/7,50/7,62 GN	10760.1	33	PZK 3011/21/7,50/7,62-FD GN	10949.1	34	PZK 3020/21/10,00/10,16 LG	10997.0	35
PZK 3010/24/7,50/7,62 LG	10760.0	33	PZK 3011/21/7,50/7,62-FD LG	10949.0	34	PZK 3020/22/10,00/10,16 GN	10998.1	35
PZK 3010/3/7,50/7,62 GN	10739.1	33	PZK 3011/21/7,50/7,62-KD GN	10901.0	33	PZK 3020/22/10,00/10,16 LG	10998.0	35
PZK 3010/3/7,50/7,62 LG	10739.0	33	PZK 3011/21/7,50/7,62-KD LG	10901.1	33	PZK 3020/23/10,00/10,16 GN	10999.1	35
PZK 3010/4/7,50/7,62 GN	10740.1	33	PZK 3011/21/7,50/7,62-KD GN	10901.1	33	PZK 3020/23/10,00/10,16 LG	10999.0	35
PZK 3010/4/7,50/7,62 LG	10740.0	33	PZK 3011/21/7,50/7,62-WD GN	31351.1	34	PZK 3020/24/10,00/10,16 GN	11000.1	35
PZK 3010/5/7,50/7,62 GN	10741.1	33	PZK 3011/21/7,50/7,62-WD LG	31351.0	34	PZK 3020/24/10,00/10,16 LG	11000.0	35
PZK 3010/5/7,50/7,62 LG	10741.0	33	PZK 3011/22/7,50/7,62-FD GN	10950.1	34	PZK 3020/25/10,00/10,16 GN	10981.1	35
PZK 3010/6/7,50/7,62 GN	10742.1	33	PZK 3011/22/7,50/7,62-FD LG	10950.0	34	PZK 3020/6/10,00/10,16 LG	10982.0	35
PZK 3010/6/7,50/7,62 LG	10742.0	33	PZK 3011/22/7,50/7,62-KD GN	10902.0	33	PZK 3020/7/10,00/10,16 GN	10983.1	35
PZK 3010/6/7,50/7,62 GN	10743.1	33	PZK 3011/22/7,50/7,62-KD LG	10902.1	33	PZK 3020/7/10,00/10,16 LG	10983.0	35
PZK 3010/6/7,50/7,62 LG	10743.0	33	PZK 3011/22/7,50/7,62-WD GN	31352.1	34	PZK 3020/8/10,00/10,16 GN	10984.1	35
PZK 3010/7/7,50/7,62 GN	10743.1	33	PZK 3011/23/7,50/7,62-FD GN	10951.1	34	PZK 3020/8/10,00/10,16 LG	10984.0	35
PZK 3010/7/7,50/7,62 LG	10743.0	33	PZK 3011/23/7,50/7,62-FD LG	10951.0	34	PZK 3020/9/10,00/10,16 GN	10985.1	35
PZK 3010/8/7,50/7,62 GN	10744.1	33	PZK 3011/23/7,50/7,62-KD GN	10903.0	33	PZK 3020/9/10,00/10,16 LG	10985.0	35
PZK 3010/8/7,50/7,62 LG	10744.0	33	PZK 3011/23/7,50/7,62-KD LG	10903.1	33	PZK 3021/10/10,00/10,16-KD GN	11034.1	35
PZK 3010/9/7,50/7,62 GN	10745.1	33	PZK 3011/23/7,50/7,62-WD GN	31353.1	34	PZK 3021/10/10,00/10,16-KD LG	11034.0	35
PZK 3010/9/7,50/7,62 LG	10745.0	33	PZK 3011/24/7,50/7,62-FD GN	10952.1	34	PZK 3021/10/10,00/10,16-WD GN	31310.1	36
PZK 3011/10/7,50/7,62-FD GN	10938.1	34	PZK 3011/24/7,50/7,62-FD LG	10952.0	34	PZK 3021/11/10,00/10,16-KD GN	11035.1	35
PZK 3011/10/7,50/7,62-FD LG	10938.0	34	PZK 3011/24/7,50/7,62-KD GN	10904.0	33	PZK 3021/11/10,00/10,16-KD LG	11035.0	35
PZK 3011/10/7,50/7,62-KD GN	10890.1	33	PZK 3011/24/7,50/7,62-KD LG	10904.1	33	PZK 3021/11/10,00/10,16-WD GN	31311.1	36
PZK 3011/10/7,50/7,62-KD LG	10890.0	33	PZK 3011/24/7,50/7,62-WD GN	31354.1	34	PZK 3021/12/10,00/10,16-KD GN	11036.1	35
PZK 3011/10/7,50/7,62-WD GN	31340.1	34	PZK 3011/24/7,50/7,62-WD LG	31354.0	34	PZK 3021/12/10,00/10,16-KD LG	11036.0	35
PZK 3011/11/7,50/7,62-FD GN	10939.1	34	PZK 3011/3/7,50/7,62-FD GN	10931.1	34	PZK 3021/12/10,00/10,16-WD GN	31312.1	36
PZK 3011/11/7,50/7,62-FD LG	10939.0	34	PZK 3011/3/7,50/7,62-FD LG	10931.0	34	PZK 3021/13/10,00/10,16-KD GN	11037.1	35
PZK 3011/11/7,50/7,62-KD GN	10891.1	33	PZK 3011/3/7,50/7,62-KD GN	10883.1	33	PZK 3021/13/10,00/10,16-KD LG	11037.0	35
PZK 3011/11/7,50/7,62-KD LG	10891.0	33	PZK 3011/3/7,50/7,62-KD LG	10883.0	33	PZK 3021/13/10,00/10,16-WD GN	31313.1	36
PZK 3011/11/7,50/7,62-WD GN	31341.1	34	PZK 3011/3/7,50/7,62-WD GN	31333.1	34	PZK 3021/14/10,00/10,16-KD GN	11038.1	35
PZK 3011/12/7,50/7,62-FD GN	10940.1	34	PZK 3011/4/7,50/7,62-FD GN	10932.1	34	PZK 3021/14/10,00/10,16-KD LG	11038.0	35
PZK 3011/12/7,50/7,62-FD LG	10940.0	34	PZK 3011/4/7,50/7,62-FD LG	10932.0	34	PZK 3021/14/10,00/10,16-WD GN	31314.1	36
PZK 3011/12/7,50/7,62-KD GN	10892.1	33	PZK 3011/4/7,50/7,62-KD GN	10884.1	33	PZK 3021/15/10,00/10,16-KD GN	11039.1	35
PZK 3011/12/7,50/7,62-KD LG	10892.0	33	PZK 3011/4/7,50/7,62-KD LG	10884.0	33	PZK 3021/15/10,00/10,16-KD LG	11039.0	35
PZK 3011/12/7,50/7,62-WD GN	31342.1	34	PZK 3011/4/7,50/7,62-WD GN	31334.1	34	PZK 3021/15/10,00/10,16-WD GN	31315.1	36
PZK 3011/13/7,50/7,62-FD GN	10941.1	34	PZK 3011/5/7,50/7,62-FD GN	10933.1	34			
PZK 3011/13/7,50/7,62-FD LG	10941.0	34	PZK 3011/5/7,50/7,62-FD LG	10933.0	34			
PZK 3011/13/7,50/7,62-KD GN	10893.1	33	PZK 3011/5/7,50/7,62-KD GN	10885.1	33			
PZK 3011/13/7,50/7,62-KD LG	10893.0	33	PZK 3011/5/7,50/7,62-KD LG	10885.0	33			
PZK 3011/13/7,50/7,62-WD GN	31343.1	34	PZK 3011/5/7,50/7,62-WD GN	31335.1	34			
PZK 3011/14/7,50/7,62-FD GN	10942.1	34	PZK 3011/6/7,50/7,62-FD GN	10934.1	34			
PZK 3011/14/7,50/7,62-FD LG	10942.0	34	PZK 3011/6/7,50/7,62-FD LG	10934.0	34			
PZK 3011/14/7,50/7,62-KD GN	10894.1	33	PZK 3011/6/7,50/7,62-KD GN	10886.1	33			
PZK 3011/14/7,50/7,62-KD LG	10894.0	33	PZK 3011/6/7,50/7,62-KD LG	10886.0	33			
PZK 3011/14/7,50/7,62-WD GN	31344.1	34	PZK 3011/6/7,50/7,62-WD GN	31336.1	34			
PZK 3011/15/7,50/7,62-FD GN	10943.1	34	PZK 3011/7/7,50/7,62-FD GN	10935.1	34			
PZK 3011/15/7,50/7,62-FD LG	10943.0	34	PZK 3011/7/7,50/7,62-FD LG	10935.0	34			
			PZK 3011/7/7,50/7,62-KD GN	10887.1	33			

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PZK 3021/16/10,00/10,16-KD GN	11040.1	35	PZK 3100/21/5,00/5,08 LG	11093.0	26	PZK 3191/12/2,50-KD LG	12067.0	24
PZK 3021/16/10,00/10,16-KD LG	11040.0	35	PZK 3100/22/5,00/5,08 GN	11094.1	26	PZK 3191/12/2,54 OG	12116.3	25
PZK 3021/16/10,00/10,16-WD GN	31316.1	36	PZK 3100/22/5,00/5,08 LG	11094.0	26	PZK 3191/12/2,54-KD OG	12163.3	25
PZK 3021/17/10,00/10,16-KD GN	11041.1	35	PZK 3100/23/5,00/5,08 GN	11095.1	26	PZK 3191/13/2,50 LG	12021.0	24
PZK 3021/17/10,00/10,16-KD LG	11041.0	35	PZK 3100/23/5,00/5,08 LG	11095.0	26	PZK 3191/13/2,50-KD LG	12068.0	24
PZK 3021/17/10,00/10,16-WD GN	31317.1	36	PZK 3100/24/5,00/5,08 GN	11096.1	26	PZK 3191/13/2,54 OG	12117.3	25
PZK 3021/18/10,00/10,16-KD GN	11042.1	35	PZK 3100/24/5,00/5,08 LG	11096.0	26	PZK 3191/13/2,54-KD OG	12164.3	25
PZK 3021/18/10,00/10,16-KD LG	11042.0	35	PZK 3100/3/5,00/5,08 GN	11075.1	26	PZK 3191/14/2,50 LG	12022.0	24
PZK 3021/18/10,00/10,16-WD GN	31318.1	36	PZK 3100/3/5,00/5,08 LG	11075.0	26	PZK 3191/14/2,50-KD LG	12069.0	24
PZK 3021/19/10,00/10,16-KD GN	11043.1	35	PZK 3100/4/5,00/5,08 GN	11076.1	26	PZK 3191/14/2,54 OG	12118.3	25
PZK 3021/19/10,00/10,16-KD LG	11043.0	35	PZK 3100/4/5,00/5,08 LG	11076.0	26	PZK 3191/14/2,54-KD OG	12165.3	25
PZK 3021/19/10,00/10,16-WD GN	31319.1	36	PZK 3100/5/5,00/5,08 GN	11077.1	26	PZK 3191/15/2,50 LG	12023.0	24
PZK 3021/2/10,00/10,16-KD GN	11026.1	35	PZK 3100/5/5,00/5,08 LG	11077.0	26	PZK 3191/15/2,50-KD LG	12070.0	24
PZK 3021/2/10,00/10,16-KD LG	11026.0	35	PZK 3100/6/5,00/5,08 GN	11078.1	26	PZK 3191/15/2,54 OG	12119.3	25
PZK 3021/2/10,00/10,16-WD GN	31302.1	36	PZK 3100/6/5,00/5,08 LG	11078.0	26	PZK 3191/15/2,54-KD OG	12166.3	25
PZK 3021/20/10,00/10,16-KD GN	11044.1	35	PZK 3100/7/5,00/5,08 GN	11079.1	26	PZK 3191/16/2,50 LG	12024.0	24
PZK 3021/20/10,00/10,16-KD LG	11044.0	35	PZK 3100/7/5,00/5,08 LG	11079.0	26	PZK 3191/16/2,50-KD LG	12071.0	24
PZK 3021/20/10,00/10,16-WD GN	31320.1	36	PZK 3100/8/5,00/5,08 GN	11080.1	26	PZK 3191/16/2,54 OG	12120.3	25
PZK 3021/21/10,00/10,16-KD GN	11045.1	35	PZK 3100/8/5,00/5,08 LG	11080.0	26	PZK 3191/16/2,54-KD OG	12167.3	25
PZK 3021/21/10,00/10,16-KD LG	11045.0	35	PZK 3100/9/5,00/5,08 GN	11081.1	26	PZK 3191/17/2,50 LG	12025.0	24
PZK 3021/21/10,00/10,16-WD GN	31321.1	36	PZK 3100/9/5,00/5,08 LG	11081.0	26	PZK 3191/17/2,50-KD LG	12072.0	24
PZK 3021/22/10,00/10,16-KD GN	11046.1	35	PZK 3101/10/5,00/5,08-WD GN	11130.1	26	PZK 3191/17/2,54 OG	12121.3	25
PZK 3021/22/10,00/10,16-KD LG	11046.0	35	PZK 3101/10/5,00/5,08-WD LG	11130.0	26	PZK 3191/17/2,54-KD OG	12168.3	25
PZK 3021/22/10,00/10,16-WD GN	31322.1	36	PZK 3101/11/5,00/5,08-WD GN	11131.1	26	PZK 3191/18/2,50 LG	12026.0	24
PZK 3021/23/10,00/10,16-KD GN	11047.1	35	PZK 3101/11/5,00/5,08-WD LG	11131.0	26	PZK 3191/18/2,50-KD LG	12073.0	24
PZK 3021/23/10,00/10,16-KD LG	11047.0	35	PZK 3101/12/5,00/5,08-WD GN	11132.1	26	PZK 3191/18/2,54 OG	12122.3	25
PZK 3021/23/10,00/10,16-WD GN	31323.1	36	PZK 3101/12/5,00/5,08-WD LG	11132.0	26	PZK 3191/18/2,54-KD OG	12169.3	25
PZK 3021/24/10,00/10,16-KD GN	11048.1	35	PZK 3101/13/5,00/5,08-WD GN	11133.1	26	PZK 3191/19/2,50 LG	12027.0	24
PZK 3021/24/10,00/10,16-KD LG	11048.0	35	PZK 3101/13/5,00/5,08-WD LG	11133.0	26	PZK 3191/19/2,50-KD LG	12074.0	24
PZK 3021/24/10,00/10,16-WD GN	31324.1	36	PZK 3101/14/5,00/5,08-WD GN	11134.1	26	PZK 3191/19/2,54 OG	12123.3	25
PZK 3021/3/10,00/10,16-KD GN	11027.1	35	PZK 3101/14/5,00/5,08-WD LG	11134.0	26	PZK 3191/19/2,54-KD OG	12170.3	25
PZK 3021/3/10,00/10,16-KD LG	11027.0	35	PZK 3101/15/5,00/5,08-WD GN	11135.1	26	PZK 3191/2/2,50 LG	12010.0	24
PZK 3021/3/10,00/10,16-WD GN	31303.1	36	PZK 3101/15/5,00/5,08-WD LG	11135.0	26	PZK 3191/2/2,50-KD LG	12057.0	24
PZK 3021/4/10,00/10,16-KD GN	11028.1	35	PZK 3101/16/5,00/5,08-WD GN	11136.1	26	PZK 3191/2/2,54 OG	12106.3	25
PZK 3021/4/10,00/10,16-KD LG	11028.0	35	PZK 3101/16/5,00/5,08-WD LG	11136.0	26	PZK 3191/2/2,54-KD OG	12153.3	25
PZK 3021/4/10,00/10,16-WD GN	31304.1	36	PZK 3101/17/5,00/5,08-WD GN	11137.1	26	PZK 3191/20/2,50 LG	12028.0	24
PZK 3021/5/10,00/10,16-KD GN	11029.1	35	PZK 3101/17/5,00/5,08-WD LG	11137.0	26	PZK 3191/20/2,50-KD LG	12075.0	24
PZK 3021/5/10,00/10,16-KD LG	11029.0	35	PZK 3101/18/5,00/5,08-WD GN	11138.1	26	PZK 3191/20/2,54 OG	12124.3	25
PZK 3021/5/10,00/10,16-WD GN	31305.1	36	PZK 3101/18/5,00/5,08-WD LG	11138.0	26	PZK 3191/20/2,54-KD OG	12171.3	25
PZK 3021/6/10,00/10,16-KD GN	11030.1	35	PZK 3101/19/5,00/5,08-WD GN	11139.1	26	PZK 3191/21/2,50 LG	12029.0	24
PZK 3021/6/10,00/10,16-KD LG	11030.0	35	PZK 3101/19/5,00/5,08-WD LG	11139.0	26	PZK 3191/21/2,50-KD LG	12076.0	24
PZK 3021/6/10,00/10,16-WD GN	31306.1	36	PZK 3101/2/5,00/5,08-WD GN	11122.1	26	PZK 3191/21/2,54 OG	12125.3	25
PZK 3021/7/10,00/10,16-KD GN	11031.1	35	PZK 3101/2/5,00/5,08-WD LG	11122.0	26	PZK 3191/21/2,54-KD OG	12172.3	25
PZK 3021/7/10,00/10,16-KD LG	11031.0	35	PZK 3101/20/5,00/5,08-WD GN	11140.1	26	PZK 3191/22/2,50 LG	12030.0	24
PZK 3021/7/10,00/10,16-WD GN	31307.1	36	PZK 3101/20/5,00/5,08-WD LG	11140.0	26	PZK 3191/22/2,50-KD LG	12077.0	24
PZK 3021/8/10,00/10,16-KD GN	11032.1	35	PZK 3101/21/5,00/5,08-WD GN	11141.1	26	PZK 3191/22/2,54 OG	12126.3	25
PZK 3021/8/10,00/10,16-KD LG	11032.0	35	PZK 3101/21/5,00/5,08-WD LG	11141.0	26	PZK 3191/22/2,54-KD OG	12173.3	25
PZK 3021/8/10,00/10,16-WD GN	31308.1	36	PZK 3101/22/5,00/5,08-WD GN	11142.1	26	PZK 3191/23/2,50 LG	12031.0	24
PZK 3021/9/10,00/10,16-KD GN	11033.1	35	PZK 3101/22/5,00/5,08-WD LG	11142.0	26	PZK 3191/23/2,50-KD LG	12078.0	24
PZK 3021/9/10,00/10,16-KD LG	11033.0	35	PZK 3101/23/5,00/5,08-WD GN	11143.1	26	PZK 3191/23/2,54 OG	12127.3	25
PZK 3021/9/10,00/10,16-WD GN	31309.1	36	PZK 3101/23/5,00/5,08-WD LG	11143.0	26	PZK 3191/23/2,54-KD OG	12174.3	25
PZK 3100/10/5,00/5,08 GN	11082.1	26	PZK 3101/24/5,00/5,08-WD GN	11144.1	26	PZK 3191/24/2,50 LG	12032.0	24
PZK 3100/10/5,00/5,08 LG	11082.0	26	PZK 3101/24/5,00/5,08-WD LG	11144.0	26	PZK 3191/24/2,50-KD LG	12079.0	24
PZK 3100/11/5,00/5,08 GN	11083.1	26	PZK 3101/3/5,00/5,08-WD GN	11123.1	26	PZK 3191/24/2,54 OG	12128.3	25
PZK 3100/11/5,00/5,08 LG	11083.0	26	PZK 3101/3/5,00/5,08-WD LG	11123.0	26	PZK 3191/24/2,54-KD OG	12175.3	25
PZK 3100/12/5,00/5,08 GN	11084.1	26	PZK 3101/4/5,00/5,08-WD GN	11124.1	26	PZK 3191/3/2,50 LG	12011.0	24
PZK 3100/12/5,00/5,08 LG	11084.0	26	PZK 3101/4/5,00/5,08-WD LG	11124.0	26	PZK 3191/3/2,50-KD LG	12058.0	24
PZK 3100/13/5,00/5,08 GN	11085.1	26	PZK 3101/5/5,00/5,08-WD GN	11125.1	26	PZK 3191/3/2,54 OG	12107.3	25
PZK 3100/13/5,00/5,08 LG	11085.0	26	PZK 3101/5/5,00/5,08-WD LG	11125.0	26	PZK 3191/3/2,54-KD OG	12154.3	25
PZK 3100/14/5,00/5,08 GN	11086.1	26	PZK 3101/6/5,00/5,08-WD GN	11126.1	26	PZK 3191/4/2,50 LG	12012.0	24
PZK 3100/14/5,00/5,08 LG	11086.0	26	PZK 3101/6/5,00/5,08-WD LG	11126.0	26	PZK 3191/4/2,50-KD LG	12059.0	24
PZK 3100/15/5,00/5,08 GN	11087.1	26	PZK 3101/7/5,00/5,08-WD GN	11127.1	26	PZK 3191/4/2,54 OG	12108.3	25
PZK 3100/15/5,00/5,08 LG	11087.0	26	PZK 3101/7/5,00/5,08-WD LG	11127.0	26	PZK 3191/4/2,54-KD OG	12155.3	25
PZK 3100/16/5,00/5,08 GN	11088.1	26	PZK 3101/8/5,00/5,08-WD GN	11128.1	26	PZK 3191/5/2,50 LG	12013.0	24
PZK 3100/16/5,00/5,08 LG	11088.0	26	PZK 3101/8/5,00/5,08-WD LG	11128.0	26	PZK 3191/5/2,50-KD LG	12060.0	24
PZK 3100/17/5,00/5,08 GN	11089.1	26	PZK 3101/9/5,00/5,08-WD GN	11129.1	26	PZK 3191/5/2,54 OG	12109.3	25
PZK 3100/17/5,00/5,08 LG	11089.0	26	PZK 3101/9/5,00/5,08-WD LG	11129.0	26	PZK 3191/5/2,54-KD OG	12156.3	25
PZK 3100/18/5,00/5,08 GN	11090.1	26	PZK 3191/10/2,50 LG	12018.0	24	PZK 3191/6/2,50 LG	12014.0	24
PZK 3100/18/5,00/5,08 LG	11090.0	26	PZK 3191/10/2,50-KD LG	12065.0	24	PZK 3191/6/2,50-KD LG	12061.0	24
PZK 3100/19/5,00/5,08 GN	11091.1	26	PZK 3191/10/2,54 OG	12114.3	25	PZK 3191/6/2,54 OG	12110.3	25
PZK 3100/19/5,00/5,08 LG	11091.0	26	PZK 3191/10/2,54-KD OG	12161.3	25	PZK 3191/6/2,54-KD OG	12157.3	25
PZK 3100/2/5,00/5,08 GN	11074.1	26	PZK 3191/11/2,50 LG	12019.0	24	PZK 3191/7/2,50 LG	12015.0	24
PZK 3100/2/5,00/5,08 LG	11074.0	26	PZK 3191/11/2,50-KD LG	12066.0	24	PZK 3191/7/2,50-KD LG	12062.0	24
PZK 3100/20/5,00/5,08 GN	11092.1	26	PZK 3191/11/2,54 OG	12115.3	25	PZK 3191/7/2,54 OG	12111.3	25
PZK 3100/20/5,00/5,08 LG	11092.0	26	PZK 3191/11/2,54-KD OG	12162.3	25	PZK 3191/7/2,54-KD OG	12158.3	25
PZK 3100/21/5,00/5,08 GN	11093.1	26	PZK 3191/12/2,50 LG	12020.0	24	PZK 3191/8/2,50 LG	12016.0	24

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PZK 3191/8/2,54 OG	12112.3	25	PZK 3750/3/5,00-VP GN	13383.1	29	SDK 16-VPI GR	17457.6	181
PZK 3191/8/2,54-KD OG	12159.3	25	PZK 3750/3/5,08 GN	13359.1	31	SDK 16/1A/1B GR	17396.6	181
PZK 3191/9/2,50 LG	12017.0	24	PZK 3750/3/5,08-VP GN	13407.1	31	SDK 16/1A/1B/Z GR	17397.6	181
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PZK 3191/9/2,54 OG	12113.3	25	PZK 3750/4/5,00-PD10,00 GN	14514.1	30	SDK 16/2A/Z GR	17398.6	180
PZK 3191/9/2,54-KD OG	12160.3	25	PZK 3750/4/5,00-VP GN	13384.1	29	SDK 4-AP/6 GR	17433.6	176
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PZK 3750/10/5,00-PD10,00 GN	14520.1	30	PZK 3750/4/5,08-VP GN	13408.1	31	SDK 4-DPA GR	17434.6	177
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PZK 3750/11/5,08 GN	13367.1	31	PZK 3750/6/5,00-PD10,00 GN	14516.1	30	SDK 4/2A GR	17380.6	176
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PZK 3750/12/5,00 GN	13344.1	29	PZK 3750/6/5,08 GN	13362.1	31	SPC/PBK 2,5/2,5mm GN	14419.1	19
PZK 3750/12/5,00-PD10,00 GN	14522.1	30	PZK 3750/6/5,08-VP GN	13410.1	31	SPC/PBK 5/2,5mm GN	14509.1	21
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PZK 3750/13/5,08-VP GN	13417.1	31	PZK 3750/8/5,00-PD10,00 GN	14518.1	30	STL 130/11/5,00-V BK	11444.4	129
PZK 3750/14/5,00 GN	13346.1	29	PZK 3750/8/5,00-VP GN	13388.1	29	STL 130/11/5,08-V BK	13659.4	131
PZK 3750/14/5,00-VP GN	13394.1	29	PZK 3750/8/5,08 GN	13364.1	31	STL 130/12/10,00-V BK	11468.4	132
PZK 3750/14/5,08 GN	13370.1	31	PZK 3750/8/5,08-VP GN	13412.1	31	STL 130/12/10,16-V BK	13706.4	133
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PZK 3750/16/5,00 GN	13348.1	29	PZK 3750/10/5,08-PD10,16 GN	14540.1	32	STL 130/14/5,08-V BK	13662.4	131
PZK 3750/16/5,00-VP GN	13396.1	29	PZK 3750/11/5,08-PD10,16 GN	14541.1	32	STL 130/15/5,00-V BK	11448.4	129
PZK 3750/16/5,08 GN	13372.1	31	PZK 3750/12/5,08-PD10,16 GN	14542.1	32	STL 130/15/5,08-V BK	13663.4	131
PZK 3750/16/5,08-VP GN	13420.1	31	PZK 3750/2/5,08-PD10,16 GN	14532.1	32	STL 130/16/5,00-V BK	11449.4	129
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STL 1550/13/3,81-H-G GN	11941.1	139	STL 1550/20/3,50-V-F GN	13986.1	135	STL 1550/9/3,81-V-G GN	11903.1	139
STL 1550/13/3,81-V-F GN	13798.1	140	STL 1550/20/3,50-V-FR GN	31760.1	137	STL 1570/10/3,81-H-G GN	11972.1	142
STL 1550/13/3,81-V-G GN	11907.1	139	STL 1550/20/3,50-V-G GN	11895.1	134	STL 1570/10/3,81-V-G GN	11953.1	142
STL 1550/14/3,50-H-F GN	13782.1	135	STL 1550/20/3,81-H-F GN	13824.1	140	STL 1570/11/3,81-H-G GN	11973.1	142
STL 1550/14/3,50-H-FR GN	31774.1	137	STL 1550/20/3,81-H-G GN	13716.1	139	STL 1570/11/3,81-V-G GN	11954.1	142
STL 1550/14/3,50-H-G GN	11923.1	134	STL 1550/20/3,81-V-F GN	13805.1	140	STL 1570/12/3,81-H-G GN	11974.1	142
STL 1550/14/3,50-V-F GN	13765.1	135	STL 1550/20/3,81-V-G GN	13712.1	139	STL 1570/12/3,81-V-G GN	11955.1	142
STL 1550/14/3,50-V-FR GN	31754.1	137	STL 1550/3/3,50-H-F GN	13771.1	135	STL 1570/13/3,81-H-G GN	11975.1	142
STL 1550/14/3,50-V-G GN	11889.1	134	STL 1550/3/3,50-H-FR GN	31763.1	137	STL 1570/13/3,81-V-G GN	11956.1	142
STL 1550/14/3,81-H-F GN	13818.1	140	STL 1550/3/3,50-H-G GN	11912.1	134	STL 1570/14/3,81-H-G GN	11976.1	142
STL 1550/14/3,81-H-G GN	11942.1	139	STL 1550/3/3,50-V-F GN	13754.1	135	STL 1570/14/3,81-V-G GN	11957.1	142
STL 1550/14/3,81-V-F GN	13799.1	140	STL 1550/3/3,50-V-FR GN	31743.1	137	STL 1570/15/3,81-H-G GN	11977.1	142
STL 1550/14/3,81-V-G GN	11908.1	139	STL 1550/3/3,50-V-G GN	11878.1	134	STL 1570/15/3,81-V-G GN	11958.1	142
STL 1550/15/3,50-H-F GN	13783.1	135	STL 1550/3/3,81-H-F GN	13807.1	140	STL 1570/16/3,81-H-G GN	11978.1	142
STL 1550/15/3,50-H-FR GN	31775.1	137	STL 1550/3/3,81-H-G GN	11931.1	139	STL 1570/16/3,81-V-G GN	11959.1	142
STL 1550/15/3,50-H-G GN	11924.1	134	STL 1550/3/3,81-V-F GN	13788.1	140	STL 1570/17/3,81-H-G GN	11979.1	142
STL 1550/15/3,50-V-F GN	13766.1	135	STL 1550/3/3,81-V-G GN	11897.1	139	STL 1570/17/3,81-V-G GN	11960.1	142
STL 1550/15/3,50-V-FR GN	31755.1	137	STL 1550/4/3,50-H-F GN	13772.1	135	STL 1570/18/3,81-H-G GN	11980.1	142
STL 1550/15/3,50-V-G GN	11890.1	134	STL 1550/4/3,50-H-FR GN	31764.1	137	STL 1570/18/3,81-V-G GN	11961.1	142
STL 1550/15/3,81-H-F GN	13819.1	140	STL 1550/4/3,50-H-G GN	11913.1	134	STL 1570/19/3,81-H-G GN	11981.1	142
STL 1550/15/3,81-H-G GN	11943.1	139	STL 1550/4/3,50-V-F GN	13755.1	135	STL 1570/19/3,81-V-G GN	11962.1	142
STL 1550/15/3,81-V-F GN	13800.1	140	STL 1550/4/3,50-V-FR GN	31744.1	137	STL 1570/2/3,81-H-G GN	11964.1	142
STL 1550/15/3,81-V-G GN	11909.1	139	STL 1550/4/3,50-V-G GN	11879.1	134	STL 1570/2/3,81-V-G GN	11945.1	142
STL 1550/16/3,50-H-F GN	13784.1	135	STL 1550/4/3,81-H-F GN	13808.1	140	STL 1570/20/3,81-H-G GN	11982.1	142
STL 1550/16/3,50-H-FR GN	31776.1	137	STL 1550/4/3,81-H-G GN	11932.1	139	STL 1570/20/3,81-V-G GN	11963.1	142
STL 1550/16/3,50-H-G GN	11925.1	134	STL 1550/4/3,81-V-F GN	13789.1	140	STL 1570/3/3,81-H-G GN	11965.1	142
STL 1550/16/3,50-V-F GN	13767.1	135	STL 1550/4/3,81-V-G GN	11898.1	139	STL 1570/3/3,81-V-G GN	11946.1	142
STL 1550/16/3,50-V-FR GN	31756.1	137	STL 1550/5/3,50-H-F GN	13773.1	135	STL 1570/4/3,81-H-G GN	11966.1	142
STL 1550/16/3,50-V-G GN	11891.1	134	STL 1550/5/3,50-H-FR GN	31765.1	137	STL 1570/4/3,81-V-G GN	11947.1	142
STL 1550/16/3,81-H-F GN	13820.1	140	STL 1550/5/3,50-H-G GN	11914.1	134	STL 1570/5/3,81-H-G GN	11967.1	142
STL 1550/16/3,81-H-G GN	11944.1	139	STL 1550/5/3,50-V-F GN	13756.1	135	STL 1570/5/3,81-V-G GN	11948.1	142
STL 1550/16/3,81-V-F GN	13801.1	140	STL 1550/5/3,50-V-FR GN	31745.1	137	STL 1570/6/3,81-H-G GN	11968.1	142
STL 1550/16/3,81-V-G GN	11910.1	139	STL 1550/5/3,50-V-G GN	11880.1	134	STL 1570/6/3,81-V-G GN	11949.1	142
STL 1550/17/3,50-H-F GN	13785.1	135	STL 1550/5/3,81-H-F GN	13809.1	140	STL 1570/7/3,81-H-G GN	11969.1	142
STL 1550/17/3,50-H-FR GN	31777.1	137	STL 1550/5/3,81-H-G GN	11933.1	139	STL 1570/7/3,81-V-G GN	11950.1	142
STL 1550/17/3,50-H-G GN	11926.1	134	STL 1550/5/3,81-V-F GN	13790.1	140	STL 1570/8/3,81-H-G GN	11970.1	142
STL 1550/17/3,50-V-F GN	13768.1	135	STL 1550/5/3,81-V-G GN	11899.1	139	STL 1570/8/3,81-V-G GN	11951.1	142
STL 1550/17/3,50-V-FR GN	31757.1	137	STL 1550/6/3,50-H-F GN	13774.1	135	STL 1570/9/3,81-H-G GN	11971.1	142
STL 1550/17/3,50-V-G GN	11892.1	134	STL 1550/6/3,50-H-FR GN	31766.1	137	STL 1570/9/3,81-V-G GN	11952.1	142
STL 1550/17/3,81-H-F GN	13821.1	140	STL 1550/6/3,50-H-G GN	11915.1	134	STL 1590/10/3,81-G GN	11991.1	141
STL 1550/17/3,81-H-G GN	13713.1	139	STL 1550/6/3,50-V-F GN	13757.1	135	STL 1590/11/3,81-G GN	11992.1	141
STL 1550/17/3,81-V-F GN	13802.1	140	STL 1550/6/3,50-V-FR GN	31746.1	137	STL 1590/12/3,81-G GN	11993.1	141
STL 1550/17/3,81-V-G GN	13709.1	139	STL 1550/6/3,50-V-G GN	11881.1	134	STL 1590/13/3,81-G GN	11994.1	141
STL 1550/18/3,50-H-F GN	13786.1	135	STL 1550/6/3,81-H-F GN	13810.1	140	STL 1590/14/3,81-G GN	11995.1	141
STL 1550/18/3,50-H-FR GN	31778.1	137	STL 1550/6/3,81-H-G GN	11934.1	139	STL 1590/15/3,81-G GN	11996.1	141
STL 1550/18/3,50-H-G GN	11927.1	134	STL 1550/6/3,81-V-F GN	13791.1	140	STL 1590/16/3,81-G GN	11997.1	141
STL 1550/18/3,50-V-F GN	13769.1	135	STL 1550/6/3,81-V-G GN	11900.1	139	STL 1590/17/3,81-G GN	11998.1	141
STL 1550/18/3,50-V-FR GN	31758.1	137	STL 1550/7/3,50-H-F GN	13775.1	135	STL 1590/18/3,81-G GN	11999.1	141
STL 1550/18/3,50-V-G GN	11893.1	134	STL 1550/7/3,50-H-FR GN	31767.1	137	STL 1590/19/3,81-G GN	12000.1	141
STL 1550/18/3,81-H-F GN	13822.1	140	STL 1550/7/3,50-H-G GN	11916.1	134	STL 1590/2/3,81-G GN	11983.1	141
STL 1550/18/3,81-H-G GN	13714.1	139	STL 1550/7/3,50-V-F GN	13758.1	135	STL 1590/20/3,81-G GN	12001.1	141
STL 1550/18/3,81-V-F GN	13803.1	140	STL 1550/7/3,50-V-FR GN	31747.1	137	STL 1590/3/3,81-G GN	11984.1	141
STL 1550/18/3,81-V-G GN	13710.1	139	STL 1550/7/3,50-V-G GN	11882.1	134	STL 1590/4/3,81-G GN	11985.1	141
STL 1550/19/3,50-H-F GN	13987.1	135	STL 1550/7/3,81-H-F GN	13811.1	140	STL 1590/5/3,81-G GN	11986.1	141
STL 1550/19/3,50-H-FR GN	31779.1	137	STL 1550/7/3,81-H-G GN	11935.1	139	STL 1590/6/3,81-G GN	11987.1	141
STL 1550/19/3,50-H-G GN	11928.1	134	STL 1550/7/3,81-V-F GN	13792.1	140	STL 1590/7/3,81-G GN	11988.1	141
STL 1550/19/3,50-V-F GN	13985.1	135	STL 1550/7/3,81-V-G GN	11901.1	139	STL 1590/8/3,81-G GN	11989.1	141
STL 1550/19/3,50-V-FR GN	31759.1	137	STL 1550/8/3,50-H-F GN	13776.1	135	STL 1590/9/3,81-G GN	11990.1	141
STL 1550/19/3,50-V-G GN	11894.1	134	STL 1550/8/3,50-H-FR GN	31768.1	137	STL 950/10/5,00-H GN	11569.1	143
STL 1550/19/3,81-H-F GN	13823.1	140	STL 1550/8/3,50-H-G GN	11917.1	134	STL 950/10/5,00-H-F GN	11789.1	147
STL 1550/19/3,81-H-G GN	13715.1	139	STL 1550/8/3,50-V-F GN	13759.1	135	STL 950/10/5,00-H-F-HC GN	30610.1	148
STL 1550/19/3,81-V-F GN	13804.1	140	STL 1550/8/3,50-V-FR GN	31748.1	137	STL 950/10/5,00-H-G GN	11661.1	145
STL 1550/19/3,81-V-G GN	13711.1	139	STL 1550/8/3,50-V-G GN	11883.1	134	STL 950/10/5,00-H-G-HC GN	30570.1	146
STL 1550/2/3,50-H-F GN	13770.1	135	STL 1550/8/3,81-H-F GN	13812.1	140	STL 950/10/5,00-H-HC GN	30530.1	144

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STL 950/10/5,08-H-F GN	11798.1	155	STL 950/15/5,08-V-G GN	11643.1	153	STL 950/20/5,08-V GN	11556.1	151
STL 950/10/5,08-H-G GN	11684.1	153	STL 950/16/5,00-H GN	11575.1	143	STL 950/20/5,08-V-F GN	13207.1	155
STL 950/10/5,08-V GN	11546.1	151	STL 950/16/5,00-H-F GN	13259.1	147	STL 950/20/5,08-V-G GN	11648.1	153
STL 950/10/5,08-V-F GN	12218.1	155	STL 950/16/5,00-H-G GN	11667.1	145	STL 950/21/5,00-H GN	11580.1	143
STL 950/10/5,08-V-G GN	11638.1	153	STL 950/16/5,00-V GN	11529.1	143	STL 950/21/5,00-H-F GN	13264.1	147
STL 950/11/5,00-H GN	11570.1	143	STL 950/16/5,00-V-F GN	13245.1	147	STL 950/21/5,00-H-G GN	11672.1	145
STL 950/11/5,00-H-F GN	13254.1	147	STL 950/16/5,00-V-G GN	11621.1	145	STL 950/21/5,00-V GN	11534.1	143
STL 950/11/5,00-H-F-HC GN	30611.1	148	STL 950/16/5,08-H GN	11598.1	151	STL 950/21/5,00-V-F GN	13250.1	147
STL 950/11/5,00-H-G GN	11662.1	145	STL 950/16/5,08-H-F GN	13273.1	155	STL 950/21/5,00-V-G GN	11626.1	145
STL 950/11/5,00-H-G-HC GN	30571.1	146	STL 950/16/5,08-H-G GN	11690.1	153	STL 950/21/5,08-H GN	11603.1	151
STL 950/11/5,00-H-HC GN	30531.1	144	STL 950/16/5,08-V GN	11552.1	151	STL 950/21/5,08-H-F GN	13278.1	155
STL 950/11/5,00-V GN	11524.1	143	STL 950/16/5,08-V-F GN	13203.1	155	STL 950/21/5,08-H-G GN	11695.1	153
STL 950/11/5,00-V-F GN	13240.1	147	STL 950/16/5,08-V-G GN	11644.1	153	STL 950/21/5,08-V GN	11557.1	151
STL 950/11/5,00-V-F-HC GN	30591.1	148	STL 950/17/5,00-H GN	11576.1	143	STL 950/21/5,08-V-F GN	13208.1	155
STL 950/11/5,00-V-G GN	11616.1	145	STL 950/17/5,00-H-F GN	13260.1	147	STL 950/21/5,08-V-G GN	11649.1	153
STL 950/11/5,00-V-G-HC GN	30551.1	146	STL 950/17/5,00-H-G GN	11668.1	145	STL 950/22/5,00-H GN	11581.1	143
STL 950/11/5,00-V-HC GN	30511.1	144	STL 950/17/5,00-V GN	11530.1	143	STL 950/22/5,00-H-F GN	13265.1	147
STL 950/11/5,08-H GN	11593.1	151	STL 950/17/5,00-V-F GN	13246.1	147	STL 950/22/5,00-H-G GN	11673.1	145
STL 950/11/5,08-H-F GN	13268.1	155	STL 950/17/5,00-V-G GN	11622.1	145	STL 950/22/5,00-V GN	11535.1	143
STL 950/11/5,08-H-G GN	11685.1	153	STL 950/17/5,08-H GN	11599.1	151	STL 950/22/5,00-V-F GN	13251.1	147
STL 950/11/5,08-V GN	11547.1	151	STL 950/17/5,08-H-F GN	13274.1	155	STL 950/22/5,00-V-G GN	11627.1	145
STL 950/11/5,08-V-F GN	13198.1	155	STL 950/17/5,08-H-G GN	11691.1	153	STL 950/22/5,08-H GN	11604.1	151
STL 950/11/5,08-V-G GN	11639.1	153	STL 950/17/5,08-V GN	11553.1	151	STL 950/22/5,08-H-F GN	13279.1	155
STL 950/12/5,00-H GN	11571.1	143	STL 950/17/5,08-V-F GN	13204.1	155	STL 950/22/5,08-H-G GN	11696.1	153
STL 950/12/5,00-H-F GN	13255.1	147	STL 950/17/5,08-V-G GN	11645.1	153	STL 950/22/5,08-V GN	11558.1	151
STL 950/12/5,00-H-F-HC GN	30612.1	148	STL 950/18/5,00-H GN	11577.1	143	STL 950/22/5,08-V-F GN	13209.1	155
STL 950/12/5,00-H-G GN	11663.1	145	STL 950/18/5,00-H-F GN	13261.1	147	STL 950/22/5,00-V-G GN	11650.1	153
STL 950/12/5,00-H-G-HC GN	30572.1	146	STL 950/18/5,00-H-G GN	11669.1	145	STL 950/23/5,00-H GN	11582.1	143
STL 950/12/5,00-H-HC GN	30532.1	144	STL 950/18/5,00-V GN	11531.1	143	STL 950/23/5,00-H-F GN	13266.1	147
STL 950/12/5,00-V GN	11525.1	143	STL 950/18/5,00-V-F GN	13247.1	147	STL 950/23/5,00-H-G GN	11674.1	145
STL 950/12/5,00-V-F GN	13241.1	147	STL 950/18/5,00-V-G GN	11623.1	145	STL 950/23/5,00-V GN	11536.1	143
STL 950/12/5,00-V-F-HC GN	30592.1	148	STL 950/18/5,08-H GN	11600.1	151	STL 950/23/5,00-V-F GN	13252.1	147
STL 950/12/5,00-V-G GN	11617.1	145	STL 950/18/5,08-H-F GN	13275.1	155	STL 950/23/5,00-V-G GN	11628.1	145
STL 950/12/5,00-V-G-HC GN	30552.1	146	STL 950/18/5,08-H-G GN	11692.1	153	STL 950/23/5,08-H GN	11605.1	151
STL 950/12/5,00-V-HC GN	30512.1	144	STL 950/18/5,08-V GN	11554.1	151	STL 950/23/5,08-H-F GN	13280.1	155
STL 950/12/5,08-H GN	11594.1	151	STL 950/18/5,08-V-F GN	13205.1	155	STL 950/23/5,08-H-G GN	11697.1	153
STL 950/12/5,08-H-F GN	13269.1	155	STL 950/18/5,08-V-G GN	11646.1	153	STL 950/23/5,08-V GN	11559.1	151
STL 950/12/5,08-H-G GN	11686.1	153	STL 950/19/5,00-H GN	11578.1	143	STL 950/23/5,00-V-F GN	13210.1	155
STL 950/12/5,08-V GN	11548.1	151	STL 950/19/5,00-H-F GN	13262.1	147	STL 950/23/5,08-V-G GN	11651.1	153
STL 950/12/5,08-V-F GN	13199.1	155	STL 950/19/5,00-H-G GN	11670.1	145	STL 950/24/5,00-H GN	11583.1	143
STL 950/12/5,08-V-G GN	11640.1	153	STL 950/19/5,00-V GN	11532.1	143	STL 950/24/5,00-H-F GN	13267.1	147
STL 950/13/5,00-H GN	11572.1	143	STL 950/19/5,00-V-F GN	13248.1	147	STL 950/24/5,00-H-G GN	11675.1	145
STL 950/13/5,00-H-F GN	13256.1	147	STL 950/19/5,00-V-G GN	11624.1	145	STL 950/24/5,00-V GN	11537.1	143
STL 950/13/5,00-H-G GN	11664.1	145	STL 950/19/5,08-H GN	11601.1	151	STL 950/24/5,00-V-F GN	13253.1	147
STL 950/13/5,00-V GN	11526.1	143	STL 950/19/5,08-H-F GN	13276.1	155	STL 950/24/5,00-V-G GN	11629.1	145
STL 950/13/5,00-V-F GN	13242.1	147	STL 950/19/5,08-H-G GN	11693.1	153	STL 950/24/5,08-H GN	11606.1	151
STL 950/13/5,00-V-G GN	11618.1	145	STL 950/19/5,08-V GN	11555.1	151	STL 950/24/5,08-H-F GN	13281.1	155
STL 950/13/5,08-H GN	11595.1	151	STL 950/19/5,08-V-F GN	13206.1	155	STL 950/24/5,08-H-G GN	11698.1	153
STL 950/13/5,08-H-F GN	13270.1	155	STL 950/19/5,08-V-G GN	11647.1	153	STL 950/24/5,08-V GN	11560.1	151
STL 950/13/5,08-H-G GN	11687.1	153	STL 950/2/5,00-H GN	11561.1	143	STL 950/24/5,08-V-F GN	13211.1	155
STL 950/13/5,08-V GN	11549.1	151	STL 950/2/5,00-H-F GN	11781.1	147	STL 950/24/5,08-V-G GN	11652.1	153
STL 950/13/5,08-V-F GN	13200.1	155	STL 950/2/5,00-H-F-HC GN	30602.1	148	STL 950/3/5,00-H GN	11562.1	143
STL 950/13/5,08-V-G GN	11641.1	153	STL 950/2/5,00-H-G GN	11653.1	145	STL 950/3/5,00-H-F GN	11782.1	147
STL 950/14/5,00-H GN	11573.1	143	STL 950/2/5,00-H-G-HC GN	30562.1	146	STL 950/3/5,00-H-F-HC GN	30603.1	148
STL 950/14/5,00-H-F GN	13257.1	147	STL 950/2/5,00-H-HC GN	30522.1	144	STL 950/3/5,00-H-G GN	11654.1	145
STL 950/14/5,00-H-G GN	11665.1	145	STL 950/2/5,00-V GN	11515.1	143	STL 950/3/5,00-H-G-HC GN	30563.1	146
STL 950/14/5,00-V GN	11527.1	143	STL 950/2/5,00-V-F GN	12201.1	147	STL 950/3/5,00-H-HC GN	30523.1	144
STL 950/14/5,00-V-F GN	13243.1	147	STL 950/2/5,00-V-F-HC GN	30582.1	148	STL 950/3/5,00-V GN	11516.1	143
STL 950/14/5,00-V-G GN	11619.1	145	STL 950/2/5,00-V-G GN	11607.1	145	STL 950/3/5,00-V-F GN	12202.1	147
STL 950/14/5,08-H GN	11596.1	151	STL 950/2/5,00-V-G-HC GN	30542.1	146	STL 950/3/5,00-V-F-HC GN	30583.1	148
STL 950/14/5,08-H-F GN	13271.1	155	STL 950/2/5,00-V-HC GN	30502.1	144	STL 950/3/5,00-V-G GN	11608.1	145
STL 950/14/5,08-H-G GN	11688.1	153	STL 950/2/5,08-H GN	11584.1	151	STL 950/3/5,00-V-G-HC GN	30543.1	146
STL 950/14/5,08-V GN	11550.1	151	STL 950/2/5,08-H-F GN	11790.1	155	STL 950/3/5,00-V-HC GN	30503.1	144
STL 950/14/5,08-V-F GN	13201.1	155	STL 950/2/5,08-H-G GN	11676.1	153	STL 950/3/5,08-H GN	11585.1	151
STL 950/14/5,08-V-G GN	11642.1	153	STL 950/2/5,08-V GN	11538.1	151	STL 950/3/5,08-H-F GN	11791.1	155
STL 950/15/5,00-H GN	11574.1	143	STL 950/2/5,08-V-F GN	12210.1	155	STL 950/3/5,08-H-G GN	11677.1	153
STL 950/15/5,00-H-F GN	13258.1	147	STL 950/2/5,08-V-G GN	11630.1	153	STL 950/3/5,08-V GN	11539.1	151
STL 950/15/5,00-H-G GN	11666.1	145	STL 950/20/5,00-H GN	11579.1	143	STL 950/3/5,08-V-F GN	12211.1	155
STL 950/15/5,00-V GN	11528.1	143	STL 950/20/5,00-H-F GN	13263.1	147	STL 950/3/5,08-V-G GN	11631.1	153



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STL 950/4/5,00-H-F GN	11783.1	147	STL 950/8/5,00-H-HC GN	30528.1	144	STL 960/6/7,62-H-G GN	11748.1	163
STL 950/4/5,00-H-F-HC GN	30604.1	148	STL 950/8/5,00-V GN	11521.1	143	STL 960/6/7,62-V GN	11703.1	162
STL 950/4/5,00-H-G GN	11655.1	145	STL 950/8/5,00-V-F GN	12207.1	147	STL 960/6/7,62-V-G GN	11733.1	163
STL 950/4/5,00-H-G-HC GN	30564.1	146	STL 950/8/5,00-V-F-HC GN	30588.1	148	STL 960/7/7,62-H GN	11719.1	162
STL 950/4/5,00-H-HC GN	30524.1	144	STL 950/8/5,00-V-G GN	11613.1	145	STL 960/7/7,62-H-G GN	11749.1	163
STL 950/4/5,00-V GN	11517.1	143	STL 950/8/5,00-V-G-HC GN	30548.1	146	STL 960/7/7,62-V GN	11704.1	162
STL 950/4/5,00-V-F GN	12203.1	147	STL 950/8/5,00-V-HC GN	30508.1	144	STL 960/7/7,62-V-G GN	11734.1	163
STL 950/4/5,00-V-F-HC GN	30584.1	148	STL 950/8/5,08-H GN	11590.1	151	STL 960/8/7,62-H GN	11720.1	162
STL 950/4/5,00-V-G GN	11609.1	145	STL 950/8/5,08-H-F GN	11796.1	155	STL 960/8/7,62-H-G GN	11750.1	163
STL 950/4/5,00-V-G-HC GN	30544.1	146	STL 950/8/5,08-H-G GN	11682.1	153	STL 960/8/7,62-V GN	11705.1	162
STL 950/4/5,00-V-HC GN	30504.1	144	STL 950/8/5,08-V GN	11544.1	151	STL 960/8/7,62-V-G GN	11735.1	163
STL 950/4/5,08-H GN	11586.1	151	STL 950/8/5,08-V-F GN	12216.1	155	STL 960/9/7,62-H GN	11721.1	162
STL 950/4/5,08-H-F GN	11792.1	155	STL 950/8/5,08-V-G GN	11636.1	153	STL 960/9/7,62-H-G GN	11751.1	163
STL 950/4/5,08-H-G GN	11678.1	153	STL 950/9/5,00-H GN	11568.1	143	STL 960/9/7,62-V GN	11706.1	162
STL 950/4/5,08-V GN	11540.1	151	STL 950/9/5,00-H-F GN	11788.1	147	STL 960/9/7,62-V-G GN	11736.1	163
STL 950/4/5,08-V-F GN	12212.1	155	STL 950/9/5,00-H-F-HC GN	30609.1	148	STL 970/10/5,08-H GN	11778.1	159
STL 950/4/5,08-V-G GN	11632.1	153	STL 950/9/5,00-H-G GN	11660.1	145	STL 970/10/5,08-H-F GN	13470.1	161
STL 950/5/5,00-H GN	11564.1	143	STL 950/9/5,00-H-G-HC GN	30569.1	146	STL 970/10/5,08-H-G GN	13448.1	160
STL 950/5/5,00-H-F GN	11784.1	147	STL 950/9/5,00-H-HC GN	30529.1	144	STL 970/10/5,08-V GN	11767.1	159
STL 950/5/5,00-H-F-HC GN	30605.1	148	STL 950/9/5,00-V GN	11522.1	143	STL 970/10/5,08-V-F GN	13459.1	161
STL 950/5/5,00-H-G GN	11656.1	145	STL 950/9/5,00-V-F GN	12208.1	147	STL 970/10/5,08-V-G GN	13437.1	160
STL 950/5/5,00-H-G-HC GN	30565.1	146	STL 950/9/5,00-V-F-HC GN	30589.1	148	STL 970/11/5,08-H GN	11779.1	159
STL 950/5/5,00-H-HC GN	30525.1	144	STL 950/9/5,00-V-G GN	11614.1	145	STL 970/11/5,08-H-F GN	13471.1	161
STL 950/5/5,00-V GN	11518.1	143	STL 950/9/5,00-V-G-HC GN	30549.1	146	STL 970/11/5,08-H-G GN	13449.1	160
STL 950/5/5,00-V-F GN	12204.1	147	STL 950/9/5,00-V-HC GN	30509.1	144	STL 970/11/5,08-V GN	11768.1	159
STL 950/5/5,00-V-F-HC GN	30585.1	148	STL 950/9/5,08-H GN	11591.1	151	STL 970/11/5,08-V-F GN	13460.1	161
STL 950/5/5,00-V-G GN	11610.1	145	STL 950/9/5,08-H-F GN	11797.1	155	STL 970/11/5,08-V-G GN	13438.1	160
STL 950/5/5,00-V-G-HC GN	30545.1	146	STL 950/9/5,08-H-G GN	11683.1	153	STL 970/12/5,08-H GN	11780.1	159
STL 950/5/5,00-V-HC GN	30505.1	144	STL 950/9/5,08-V GN	11545.1	151	STL 970/12/5,08-H-F GN	13472.1	161
STL 950/5/5,08-H GN	11587.1	151	STL 950/9/5,08-V-F GN	12217.1	155	STL 970/12/5,08-H-G GN	13450.1	160
STL 950/5/5,08-H-F GN	11793.1	155	STL 950/9/5,08-V-G GN	11637.1	153	STL 970/12/5,08-V GN	11769.1	159
STL 950/5/5,08-H-F-HC GN	11679.1	153	STL 960/10/7,62-H GN	11722.1	162	STL 970/12/5,08-V-F GN	13461.1	161
STL 950/5/5,08-V GN	11541.1	151	STL 960/10/7,62-H-G GN	11752.1	163	STL 970/12/5,08-V-G GN	13439.1	160
STL 950/5/5,08-V-F GN	12213.1	155	STL 960/10/7,62-V GN	11707.1	162	STL 970/13/5,08-H GN	12750.1	159
STL 950/5/5,08-V-G GN	11633.1	153	STL 960/10/7,62-V-G GN	11737.1	163	STL 970/13/5,08-V GN	12738.1	159
STL 950/6/5,00-H GN	11565.1	143	STL 960/11/7,62-H GN	11723.1	162	STL 970/14/5,08-H GN	12751.1	159
STL 950/6/5,00-H-F GN	11785.1	147	STL 960/11/7,62-H-G GN	11753.1	163	STL 970/14/5,08-V GN	12739.1	159
STL 950/6/5,00-H-F-HC GN	30606.1	148	STL 960/11/7,62-V GN	11708.1	162	STL 970/15/5,08-H GN	12752.1	159
STL 950/6/5,00-H-G GN	11657.1	145	STL 960/11/7,62-V-G GN	11738.1	163	STL 970/15/5,08-V GN	12740.1	159
STL 950/6/5,00-H-G-HC GN	30566.1	146	STL 960/12/7,62-H GN	11724.1	162	STL 970/16/5,08-H GN	12753.1	159
STL 950/6/5,00-H-HC GN	30526.1	144	STL 960/12/7,62-H-G GN	11754.1	163	STL 970/16/5,08-V GN	12741.1	159
STL 950/6/5,00-V GN	11519.1	143	STL 960/12/7,62-V GN	11709.1	162	STL 970/17/5,08-H GN	12754.1	159
STL 950/6/5,00-V-F GN	12205.1	147	STL 960/12/7,62-V-G GN	11739.1	163	STL 970/17/5,08-V GN	12742.1	159
STL 950/6/5,00-V-F-HC GN	30586.1	148	STL 960/13/7,62-H GN	11725.1	162	STL 970/18/5,08-H GN	12755.1	159
STL 950/6/5,00-V-G GN	11611.1	145	STL 960/13/7,62-H-G GN	11755.1	163	STL 970/18/5,08-V GN	12743.1	159
STL 950/6/5,00-V-G-HC GN	30546.1	146	STL 960/13/7,62-V GN	11710.1	162	STL 970/19/5,08-H GN	12756.1	159
STL 950/6/5,00-V-HC GN	30506.1	144	STL 960/13/7,62-V-G GN	11740.1	163	STL 970/19/5,08-V GN	12744.1	159
STL 950/6/5,08-H GN	11588.1	151	STL 960/14/7,62-H GN	11726.1	162	STL 970/2/5,08-H GN	11770.1	159
STL 950/6/5,08-H-F GN	11794.1	155	STL 960/14/7,62-H-G GN	11756.1	163	STL 970/2/5,08-H-F GN	13462.1	161
STL 950/6/5,08-H-G GN	11680.1	153	STL 960/14/7,62-V GN	11711.1	162	STL 970/2/5,08-H-G GN	13440.1	160
STL 950/6/5,08-V GN	11542.1	151	STL 960/14/7,62-V-G GN	11741.1	163	STL 970/2/5,08-V GN	11759.1	159
STL 950/6/5,08-V-F GN	12214.1	155	STL 960/15/7,62-H GN	11727.1	162	STL 970/2/5,08-V-F GN	13451.1	161
STL 950/6/5,08-V-G GN	11634.1	153	STL 960/15/7,62-H-G GN	11757.1	163	STL 970/2/5,08-V-G GN	13429.1	160
STL 950/7/5,00-H GN	11566.1	143	STL 960/15/7,62-V GN	11712.1	162	STL 970/20/5,08-H GN	12757.1	159
STL 950/7/5,00-H-F GN	11786.1	147	STL 960/15/7,62-V-G GN	11742.1	163	STL 970/20/5,08-V GN	12745.1	159
STL 950/7/5,00-H-F-HC GN	30607.1	148	STL 960/16/7,62-H GN	11728.1	162	STL 970/21/5,08-H GN	12758.1	159
STL 950/7/5,00-H-G GN	11658.1	145	STL 960/16/7,62-H-G GN	11758.1	163	STL 970/21/5,08-V GN	12746.1	159
STL 950/7/5,00-H-G-HC GN	30567.1	146	STL 960/16/7,62-V GN	11713.1	162	STL 970/22/5,08-H GN	12759.1	159
STL 950/7/5,00-H-HC GN	30527.1	144	STL 960/16/7,62-V-G GN	11743.1	163	STL 970/22/5,08-V GN	12747.1	159
STL 950/7/5,00-V GN	11520.1	143	STL 960/2/7,62-H GN	11714.1	162	STL 970/23/5,08-H GN	12760.1	159
STL 950/7/5,00-V-F GN	12206.1	147	STL 960/2/7,62-H-G GN	11744.1	163	STL 970/23/5,08-V GN	12748.1	159
STL 950/7/5,00-V-F-HC GN	30587.1	148	STL 960/2/7,62-V GN	11699.1	162	STL 970/24/5,08-H GN	12761.1	159
STL 950/7/5,00-V-G GN	11612.1	145	STL 960/2/7,62-V-G GN	11729.1	163	STL 970/24/5,08-V GN	12749.1	159
STL 950/7/5,00-V-G-HC GN	30547.1	146	STL 960/3/7,62-H GN	11715.1	162	STL 970/3/5,08-H GN	11771.1	159
STL 950/7/5,00-V-HC GN	30507.1	144	STL 960/3/7,62-H-G GN	11745.1	163	STL 970/3/5,08-H-F GN	13463.1	161
STL 950/7/5,08-H GN	11589.1	151	STL 960/3/7,62-V GN	11700.1	162	STL 970/3/5,08-H-G GN	13441.1	160
STL 950/7/5,08-H-F GN	11795.1	155	STL 960/3/7,62-V-G GN	11730.1	163	STL 970/3/5,08-V GN	11760.1	159
STL 950/7/5,08-H-G GN	11681.1	153	STL 960/4/7,62-H GN	11716.1	162	STL 970/3/5,08-V-F GN	13452.1	161
STL 950/7/5,08-V GN	11543.1	151	STL 960/4/7,62-H-G GN	11746.1	163	STL 970/3/5,08-V-G GN	13430.1	160
STL 950/7/5,08-V-F GN	12215.1	155	STL 960/4/7,62-V GN	11701.1	162	STL 970/4/5,08-H GN	11772.1	159
STL 950/7/5,08-V-G GN	11635.1	153	STL 960/4/7,62-V-G GN	11731.1	163	STL 970/4/5,08-H-F GN	13464.1	161
STL 950/8/5,00-H GN	11567.1	143	STL 960/5/7,62-H GN	11717.1	162	STL 970/4/5,08-H-G GN	13442.1	160
STL 950/8/5,00-H-F GN	11787.1	147	STL 960/5/7,62-H-G GN	11747.1	163	STL 970/4/5,08-V GN	11761.1	159
STL 950/8/5,00-H-F-HC GN	30608.1	148	STL 960/5/7,62-V GN	11702.1	162	STL 970/4/5,08-V-F GN	13453.1	161
STL 950/8/5,00-H-G GN	11659.1	145	STL 960/5/7,62-V-G GN	11732.1	163	STL 970/4/5,08-V-G GN	13431.1	160

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STL 970/5/5,08-H-F GN	13465.1	161	STL 990/10/5,08-G GN	11853.1	157	STLZ 1550/8/7,62-V-F GN	31848.1	166
STL 970/5/5,08-H-G GN	13443.1	160	STL 990/11/5,08-G GN	11854.1	157	STLZ 1550/8/7,62-V-G GN	31828.1	165
STL 970/5/5,08-V GN	11762.1	159	STL 990/12/5,08-G GN	11855.1	157	STLZ 1550/9/7,62-H-F GN	31859.1	166
STL 970/5/5,08-V-F GN	13454.1	161	STL 990/13/5,08-G GN	11856.1	157	STLZ 1550/9/7,62-H-G GN	31839.1	165
STL 970/5/5,08-V-G GN	13432.1	160	STL 990/14/5,08-G GN	11857.1	157	STLZ 1550/9/7,62-V-F GN	31849.1	166
STL 970/6/5,08-H GN	11774.1	159	STL 990/15/5,08-G GN	11858.1	157	STLZ 1550/9/7,62-V-G GN	31829.1	165
STL 970/6/5,08-H-F GN	13466.1	161	STL 990/16/5,08-G GN	11859.1	157	STLZ 950/10/5,08-H-F-HC GN	30730.1	156
STL 970/6/5,08-H-G GN	13444.1	160	STL 990/17/5,08-G GN	11860.1	157	STLZ 950/10/5,08-H-G-HC GN	30690.1	154
STL 970/6/5,08-V GN	11763.1	159	STL 990/18/5,08-G GN	11861.1	157	STLZ 950/10/5,08-H-HC GN	30650.1	152
STL 970/6/5,08-V-F GN	13455.1	161	STL 990/19/5,08-G GN	11862.1	157	STLZ 950/10/5,08-V-F-HC GN	30710.1	156
STL 970/6/5,08-V-G GN	13433.1	160	STL 990/2/5,08-G GN	11845.1	157	STLZ 950/10/5,08-V-G-HC GN	30670.1	154
STL 970/7/5,08-H GN	11775.1	159	STL 990/20/5,08-G GN	11863.1	157	STLZ 950/10/5,08-V-HC GN	30630.1	152
STL 970/7/5,08-H-F GN	13467.1	161	STL 990/21/5,08-G GN	11864.1	157	STLZ 950/11/5,08-H-F-HC GN	30731.1	156
STL 970/7/5,08-H-G GN	13445.1	160	STL 990/22/5,08-G GN	11865.1	157	STLZ 950/11/5,08-H-G-HC GN	30691.1	154
STL 970/7/5,08-V GN	11764.1	159	STL 990/23/5,08-G GN	11866.1	157	STLZ 950/11/5,08-H-HC GN	30651.1	152
STL 970/7/5,08-V-F GN	13456.1	161	STL 990/24/5,08-G GN	11867.1	157	STLZ 950/11/5,08-V-F-HC GN	30711.1	156
STL 970/7/5,08-V-G GN	13434.1	160	STL 990/3/5,08-G GN	11846.1	157	STLZ 950/11/5,08-V-G-HC GN	30671.1	154
STL 970/8/5,08-H GN	11776.1	159	STL 990/4/5,08-G GN	11847.1	157	STLZ 950/11/5,08-V-HC GN	30631.1	152
STL 970/8/5,08-H-F GN	13468.1	161	STL 990/5/5,08-G GN	11848.1	157	STLZ 950/12/5,08-H-F-HC GN	30732.1	156
STL 970/8/5,08-H-G GN	13446.1	160	STL 990/6/5,08-G GN	11849.1	157	STLZ 950/12/5,08-H-G-HC GN	30692.1	154
STL 970/8/5,08-V GN	11765.1	159	STL 990/7/5,08-G GN	11850.1	157	STLZ 950/12/5,08-H-HC GN	30652.1	152
STL 970/8/5,08-V-F GN	13457.1	161	STL 990/8/5,08-G GN	11851.1	157	STLZ 950/12/5,08-V-F-HC GN	30712.1	156
STL 970/8/5,08-V-G GN	13435.1	160	STL 990/9/5,08-G GN	11852.1	157	STLZ 950/12/5,08-V-G-HC GN	30672.1	154
STL 970/9/5,08-H GN	11777.1	159	STLZ 1520/10/5,08-H-G GN	31810.1	150	STLZ 950/12/5,08-V-HC GN	30632.1	152
STL 970/9/5,08-H-F GN	13469.1	161	STLZ 1520/10/5,08-V-G GN	31790.1	150	STLZ 950/2/5,08-H-F-HC GN	30722.1	156
STL 970/9/5,08-H-G GN	13447.1	160	STLZ 1520/11/5,08-H-G GN	31811.1	150	STLZ 950/2/5,08-H-G-HC GN	30682.1	154
STL 970/9/5,08-V GN	11766.1	159	STLZ 1520/11/5,08-V-G GN	31791.1	150	STLZ 950/2/5,08-H-HC GN	30642.1	152
STL 970/9/5,08-V-F GN	13458.1	161	STLZ 1520/12/5,08-H-G GN	31812.1	150	STLZ 950/2/5,08-V-F-HC GN	30702.1	156
STL 970/9/5,08-V-G GN	13436.1	160	STLZ 1520/12/5,08-V-G GN	31792.1	150	STLZ 950/2/5,08-V-G-HC GN	30662.1	154
STL 975/10/5,00-H-G GN	11830.1	149	STLZ 1520/2/5,08-H-G GN	31802.1	150	STLZ 950/2/5,08-V-HC GN	30622.1	152
STL 975/10/5,00-V-G GN	11807.1	149	STLZ 1520/2/5,08-V-G GN	31782.1	150	STLZ 950/3/5,08-H-F-HC GN	30723.1	156
STL 975/11/5,00-H-G GN	11831.1	149	STLZ 1520/3/5,08-H-G GN	31803.1	150	STLZ 950/3/5,08-H-G-HC GN	30683.1	154
STL 975/11/5,00-V-G GN	11808.1	149	STLZ 1520/3/5,08-V-G GN	31783.1	150	STLZ 950/3/5,08-H-HC GN	30643.1	152
STL 975/12/5,00-H-G GN	11832.1	149	STLZ 1520/4/5,08-H-G GN	31804.1	150	STLZ 950/3/5,08-V-F-HC GN	30703.1	156
STL 975/12/5,00-V-G GN	11809.1	149	STLZ 1520/4/5,08-V-G GN	31784.1	150	STLZ 950/3/5,08-V-G-HC GN	30663.1	154
STL 975/13/5,00-H-G GN	11833.1	149	STLZ 1520/5/5,08-H-G GN	31805.1	150	STLZ 950/3/5,08-V-HC GN	30623.1	152
STL 975/13/5,00-V-G GN	11810.1	149	STLZ 1520/5/5,08-V-G GN	31785.1	150	STLZ 950/4/5,08-H-F-HC GN	30724.1	156
STL 975/14/5,00-H-G GN	11834.1	149	STLZ 1520/6/5,08-H-G GN	31806.1	150	STLZ 950/4/5,08-H-HC GN	30684.1	154
STL 975/14/5,00-V-G GN	11811.1	149	STLZ 1520/6/5,08-V-G GN	31786.1	150	STLZ 950/4/5,08-H-HC GN	30644.1	152
STL 975/15/5,00-H-G GN	11835.1	149	STLZ 1520/7/5,08-H-G GN	31807.1	150	STLZ 950/4/5,08-V-F-HC GN	30704.1	156
STL 975/15/5,00-V-G GN	11812.1	149	STLZ 1520/7/5,08-V-G GN	31787.1	150	STLZ 950/4/5,08-V-G-HC GN	30664.1	154
STL 975/16/5,00-H-G GN	11836.1	149	STLZ 1520/8/5,08-H-G GN	31808.1	150	STLZ 950/4/5,08-V-HC GN	30624.1	152
STL 975/16/5,00-V-G GN	11813.1	149	STLZ 1520/8/5,08-V-G GN	31788.1	150	STLZ 950/5/5,08-H-F-HC GN	30725.1	156
STL 975/17/5,00-H-G GN	11837.1	149	STLZ 1520/9/5,08-H-G GN	31809.1	150	STLZ 950/5/5,08-H-G-HC GN	30685.1	154
STL 975/17/5,00-V-G GN	11814.1	149	STLZ 1520/9/5,08-V-G GN	31789.1	150	STLZ 950/5/5,08-H-HC GN	30645.1	152
STL 975/18/5,00-H-G GN	11838.1	149	STLZ 1550/10/7,62-H-F GN	31860.1	166	STLZ 950/5/5,08-V-F-HC GN	30705.1	156
STL 975/18/5,00-V-G GN	11815.1	149	STLZ 1550/10/7,62-H-G GN	31840.1	165	STLZ 950/5/5,08-V-G-HC GN	30665.1	154
STL 975/19/5,00-H-G GN	11839.1	149	STLZ 1550/10/7,62-V-F	31850.1	166	STLZ 950/5/5,08-V-HC GN	30625.1	152
STL 975/19/5,00-V-G GN	11816.1	149	STLZ 1550/10/7,62-V-G GN	31830.1	165	STLZ 950/6/5,08-H-F-HC GN	30726.1	156
STL 975/2/5,00-H-G GN	11822.1	149	STLZ 1550/2/7,62-H-F GN	31852.1	166	STLZ 950/6/5,08-H-G-HC GN	30686.1	154
STL 975/2/5,00-V-G GN	11799.1	149	STLZ 1550/2/7,62-H-G GN	31832.1	165	STLZ 950/6/5,08-H-HC GN	30646.1	152
STL 975/20/5,00-H-G GN	11840.1	149	STLZ 1550/2/7,62-V-F GN	31842.1	166	STLZ 950/6/5,08-V-F-HC GN	30706.1	156
STL 975/20/5,00-V-G GN	11817.1	149	STLZ 1550/2/7,62-V-G GN	31822.1	165	STLZ 950/6/5,08-V-G-HC GN	30666.1	154
STL 975/21/5,00-H-G GN	11841.1	149	STLZ 1550/3/7,62-H-F GN	31853.1	166	STLZ 950/6/5,08-V-HC GN	30626.1	152
STL 975/21/5,00-V-G GN	11818.1	149	STLZ 1550/3/7,62-H-G GN	31833.1	165	STLZ 950/7/5,08-H-F-HC GN	30727.1	156
STL 975/22/5,00-H-G GN	11842.1	149	STLZ 1550/3/7,62-V-F GN	31843.1	166	STLZ 950/7/5,08-H-G-HC GN	30687.1	154
STL 975/22/5,00-V-G GN	11819.1	149	STLZ 1550/3/7,62-V-G GN	31823.1	165	STLZ 950/7/5,08-H-HC GN	30647.1	152
STL 975/23/5,00-H-G GN	11843.1	149	STLZ 1550/4/7,62-H-F GN	31854.1	166	STLZ 950/7/5,08-V-F-HC GN	30707.1	156
STL 975/23/5,00-V-G GN	11820.1	149	STLZ 1550/4/7,62-H-G GN	31834.1	165	STLZ 950/7/5,08-V-G-HC GN	30667.1	154
STL 975/24/5,00-H-G GN	11844.1	149	STLZ 1550/4/7,62-V-F GN	31844.1	166	STLZ 950/7/5,08-V-HC GN	30627.1	152
STL 975/24/5,00-V-G GN	11821.1	149	STLZ 1550/4/7,62-V-G GN	31824.1	165	STLZ 950/8/5,08-H-F-HC GN	30728.1	156
STL 975/3/5,00-H-G GN	11823.1	149	STLZ 1550/5/7,62-H-F GN	31855.1	166	STLZ 950/8/5,08-H-G-HC GN	30688.1	154
STL 975/3/5,00-V-G GN	11800.1	149	STLZ 1550/5/7,62-H-G GN	31835.1	165	STLZ 950/8/5,08-H-HC GN	30648.1	152
STL 975/4/5,00-H-G GN	11824.1	149	STLZ 1550/5/7,62-V-F GN	31845.1	166	STLZ 950/8/5,08-V-F-HC GN	30708.1	156
STL 975/4/5,00-V-G GN	11801.1	149	STLZ 1550/5/7,62-V-G GN	31825.1	165	STLZ 950/8/5,08-V-G-HC GN	30668.1	154
STL 975/5/5,00-H-G GN	11825.1	149	STLZ 1550/6/7,62-H-F GN	31856.1	166	STLZ 950/8/5,08-V-HC GN	30628.1	152
STL 975/5/5,00-V-G GN	11802.1	149	STLZ 1550/6/7,62-H-G GN	31836.1	165	STLZ 950/9/5,08-H-F-HC GN	30729.1	156
STL 975/6/5,00-H-G GN	11826.1	149	STLZ 1550/6/7,62-V-F GN	31846.1	166	STLZ 950/9/5,08-H-G-HC GN	30689.1	154
STL 975/6/5,00-V-G GN	11803.1	149	STLZ 1550/6/7,62-V-G GN	31826.1	165	STLZ 950/9/5,08-H-HC GN	30649.1	152
STL 975/7/5,00-H-G GN	11827.1	149	STLZ 1550/7/7,62-H-F GN	31857.1	166	STLZ 950/9/5,08-V-F-HC GN	30709.1	156
STL 975/7/5,00-V-G GN	11804.1	149	STLZ 1550/7/7,62-H-G GN	31837.1	165	STLZ 950/9/5,08-V-G-HC GN	30669.1	154
STL 975/8/5,00-H-G GN	11828.1	149	STLZ 1550/7/7,62-V-F GN	31847.1	166	STLZ 950/9/5,08-V-HC GN	30629.1	152
STL 975/8/5,00-V-G GN	11805.1	149	STLZ 1550/7/7,62-V-G GN	31827.1	165	STLZ 965/10/7,62-H-F GN	14272.1	164
STL 975/9/5,00-H-G GN	11829.1	149	STLZ 1550/8/7,62-H-F GN	31858.1	166	STLZ 965/10/7,62-V-F GN	14287.1	164



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3144.0	BK 5,00/3,8 FW 21-30	188	5016.3	PK 2,5/16/5,00 OG	41	5084.3	PK 2,5/14/7,62 OG	56
3145.0	BK 5,00/3,8 FW 31-40	188	5017.1	PK 2,5/17/5,00 GN	41	5085.1	PK 2,5/15/7,62 GN	56
3146.0	BK 5,08/3,8 FW 0-9	188	5017.3	PK 2,5/17/5,00 OG	41	5085.3	PK 2,5/15/7,62 OG	56
3147.0	BK 5,08/3,8 FW 1-10	188	5018.1	PK 2,5/18/5,00 GN	41	5086.1	PK 2,5/16/7,62 GN	56
3148.0	BK 5,08/3,8 FW 11-20	188	5018.3	PK 2,5/18/5,00 OG	41	5086.3	PK 2,5/16/7,62 OG	56
3149.0	BK 5,08/3,8 FW 21-30	188	5019.1	PK 2,5/19/5,00 GN	41	5102.1	PK 2,5/2/5,08 GN	49
3150.0	BK 5,08/3,8 FW 31-40	188	5019.3	PK 2,5/19/5,00 OG	41	5102.3	PK 2,5/2/5,08 OG	49
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3152.0	BK 7,50/3,8 FW 1-10	189	5020.3	PK 2,5/20/5,00 OG	41	5103.3	PK 2,5/3/5,08 OG	49
3153.0	BK 7,50/3,8 FW 11-20	189	5021.1	PK 2,5/21/5,00 GN	41	5104.1	PK 2,5/4/5,08 GN	49
3154.0	BK 7,50/3,8 FW 21-30	189	5021.3	PK 2,5/21/5,00 OG	41	5104.3	PK 2,5/4/5,08 OG	49
3155.0	BK 7,50/3,8 FW 31-40	189	5022.1	PK 2,5/22/5,00 GN	41	5105.1	PK 2,5/5/5,08 GN	49
3156.0	BK 7,62/3,8 FW 0-9	189	5022.3	PK 2,5/22/5,00 OG	41	5105.3	PK 2,5/5/5,08 OG	49
3157.0	BK 7,62/3,8 FW 1-10	189	5023.1	PK 2,5/23/5,00 GN	41	5106.1	PK 2,5/6/5,08 GN	49
3158.0	BK 7,62/3,8 FW 11-20	189	5023.3	PK 2,5/23/5,00 OG	41	5106.3	PK 2,5/6/5,08 OG	49
3159.0	BK 7,62/3,8 FW 21-30	189	5024.1	PK 2,5/24/5,00 GN	41	5107.1	PK 2,5/7/5,08 GN	49
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3171.0	BK 2,50/2,8 neutral	187	5052.1	PK 2,5/2/7,50 GN	55	5108.1	PK 2,5/8/5,08 GN	49
3172.0	BK 2,54/2,8 neutral	187	5052.3	PK 2,5/2/7,50 OG	55	5108.3	PK 2,5/8/5,08 OG	49
3173.0	BK 3,50/2,8 neutral	187	5053.1	PK 2,5/3/7,50 GN	55	5109.1	PK 2,5/9/5,08 GN	49
3174.0	BK 3,81/2,8 neutral	187	5053.3	PK 2,5/3/7,50 OG	55	5109.3	PK 2,5/9/5,08 OG	49
3175.0	BK 5,08/2,8 neutral	188	5054.1	PK 2,5/4/7,50 GN	55	5110.1	PK 2,5/10/5,08 GN	49
3176.0	BK 5,00/3,8 neutral	188	5054.3	PK 2,5/4/7,50 OG	55	5110.3	PK 2,5/10/5,08 OG	49
3177.0	BK 5,08/3,8 neutral	188	5055.1	PK 2,5/5/7,50 GN	55	5111.1	PK 2,5/11/5,08 GN	49
3178.0	BK 7,50/3,8 neutral	189	5055.3	PK 2,5/5/7,50 OG	55	5111.3	PK 2,5/11/5,08 OG	49
3179.0	BK 7,62/3,8 neutral	189	5056.1	PK 2,5/6/7,50 GN	55	5112.1	PK 2,5/12/5,08 GN	49
3180.0	BK 2,50/2,8 So	187	5056.3	PK 2,5/6/7,50 OG	55	5112.3	PK 2,5/12/5,08 OG	49
3181.0	BK 2,54/2,8 So	187	5057.1	PK 2,5/7/7,50 GN	55	5113.1	PK 2,5/13/5,08 GN	49
3182.0	BK 3,50/2,8 So	187	5057.3	PK 2,5/7/7,50 OG	55	5113.3	PK 2,5/13/5,08 OG	49
3183.0	BK 3,81/2,8 So	187	5058.1	PK 2,5/8/7,50 GN	55	5114.1	PK 2,5/14/5,08 GN	49
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3185.0	BK 5,00/3,8 So	188	5059.1	PK 2,5/9/7,50 GN	55	5115.1	PK 2,5/15/5,08 GN	49
3186.0	BK 5,08/3,8 So	188	5059.3	PK 2,5/9/7,50 OG	55	5115.3	PK 2,5/15/5,08 OG	49
3187.0	BK 7,50/3,8 So	189	5060.1	PK 2,5/10/7,50 GN	55	5116.1	PK 2,5/16/5,08 GN	49
3188.0	BK 7,62/3,8 So	189	5060.3	PK 2,5/10/7,50 OG	55	5116.3	PK 2,5/16/5,08 OG	49
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5003.1	PK 2,5/3/5,00 GN	41	5063.3	PK 2,5/13/7,50 OG	55	5119.3	PK 2,5/19/5,08 OG	49
5003.3	PK 2,5/3/5,00 OG	41	5064.1	PK 2,5/14/7,50 GN	55	5120.1	PK 2,5/20/5,08 GN	49
5004.1	PK 2,5/4/5,00 GN	41	5064.3	PK 2,5/14/7,50 OG	55	5120.3	PK 2,5/20/5,08 OG	49
5004.3	PK 2,5/4/5,00 OG	41	5065.1	PK 2,5/15/7,50 GN	55	5121.1	PK 2,5/21/5,08 GN	49
5005.1	PK 2,5/5/5,00 GN	41	5065.3	PK 2,5/15/7,50 OG	55	5121.3	PK 2,5/21/5,08 OG	49
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5006.1	PK 2,5/6/5,00 GN	41	5066.3	PK 2,5/16/7,50 OG	55	5122.3	PK 2,5/22/5,08 OG	49
5006.3	PK 2,5/6/5,00 OG	41	5072.1	PK 2,5/2/7,62 GN	56	5123.1	PK 2,5/23/5,08 GN	49
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			5075.1	PK 2,5/5/7,62 GN	56	5206.1	PKDL 2,5/6/5,00 GN	47
			5075.3	PK 2,5/5/7,62 OG	56	5206.3	PKDR 2,5/6/5,00 OG	47
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			5076.3	PK 2,5/6/7,62 OG	56	5208.3	PKDR 2,5/8/5,00 OG	47
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5212.1	PKDL 2,5/12/5,00 GN	47	10011.1	PK 100/12/5,00-V GN	70	10054.4	PK 100/11/5,00-V-BL DG	71
5212.3	PKDR 2,5/12/5,00 OG	47	10011.4	PK 100/12/5,00-V DG	70	10055.1	PK 100/12/5,00-V-BL GN	71
5214.1	PKDL 2,5/14/5,00 GN	47	10012.1	PK 100/2/5,00-H GN	70	10055.4	PK 100/12/5,00-V-BL DG	71
5214.3	PKDR 2,5/14/5,00 OG	47	10012.4	PK 100/2/5,00-H DG	70	10056.1	PK 100/2/5,00-H-BL GN	71
5216.1	PKDL 2,5/16/5,00 GN	47	10013.1	PK 100/3/5,00-H GN	70	10056.4	PK 100/2/5,00-H-BL DG	71
5216.3	PKDR 2,5/16/5,00 OG	47	10013.4	PK 100/3/5,00-H DG	70	10057.1	PK 100/3/5,00-H-BL GN	71
5218.1	PKDL 2,5/18/5,00 GN	47	10014.1	PK 100/4/5,00-H GN	70	10057.4	PK 100/3/5,00-H-BL DG	71
5218.3	PKDR 2,5/18/5,00 OG	47	10014.4	PK 100/4/5,00-H DG	70	10058.1	PK 100/4/5,00-H-BL GN	71
5220.1	PKDL 2,5/20/5,00 GN	47	10015.1	PK 100/5/5,00-H GN	70	10058.4	PK 100/4/5,00-H-BL DG	71
5220.3	PKDR 2,5/20/5,00 OG	47	10015.4	PK 100/5/5,00-H DG	70	10059.1	PK 100/5/5,00-H-BL GN	71
5222.1	PKDL 2,5/22/5,00 GN	47	10016.1	PK 100/6/5,00-H GN	70	10059.4	PK 100/5/5,00-H-BL DG	71
5222.3	PKDR 2,5/22/5,00 OG	47	10016.4	PK 100/6/5,00-H DG	70	10060.1	PK 100/6/5,00-H-BL GN	71
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5224.3	PKDR 2,5/24/5,00 OG	47	10017.4	PK 100/7/5,00-H DG	70	10061.1	PK 100/7/5,00-H-BL GN	71
5304.1	PKDL 2,5/4/5,08 GN	51	10018.1	PK 100/8/5,00-H GN	70	10061.4	PK 100/7/5,00-H-BL DG	71
5304.3	PKDR 2,5/4/5,08 OG	52	10018.4	PK 100/8/5,00-H DG	70	10062.1	PK 100/8/5,00-H-BL GN	71
5306.1	PKDL 2,5/6/5,08 GN	51	10019.1	PK 100/9/5,00-H GN	70	10062.4	PK 100/8/5,00-H-BL DG	71
5306.3	PKDR 2,5/6/5,08 OG	52	10019.4	PK 100/9/5,00-H DG	70	10063.1	PK 100/9/5,00-H-BL GN	71
5308.1	PKDL 2,5/8/5,08 GN	51	10020.1	PK 100/10/5,00-H GN	70	10063.4	PK 100/9/5,00-H-BL DG	71
5308.3	PKDR 2,5/8/5,08 OG	52	10020.4	PK 100/10/5,00-H DG	70	10064.1	PK 100/10/5,00-H-BL GN	71
5310.1	PKDL 2,5/10/5,08 GN	51	10021.1	PK 100/11/5,00-H GN	70	10064.4	PK 100/10/5,00-H-BL DG	71
5310.3	PKDR 2,5/10/5,08 OG	52	10021.4	PK 100/11/5,00-H DG	70	10065.1	PK 100/11/5,00-H-BL GN	71
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5312.3	PKDR 2,5/12/5,08 OG	52	10022.4	PK 100/12/5,00-H DG	70	10066.1	PK 100/12/5,00-H-BL GN	71
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5316.1	PKDL 2,5/16/5,08 GN	51	10024.1	PK 100/3/10,00-V GN	79	10077.4	PK 104/2/5,00-V DG	72
5316.3	PKDR 2,5/16/5,08 OG	52	10024.4	PK 100/3/10,00-V DG	79	10078.1	PK 104/3/5,00-V GN	72
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5318.3	PKDR 2,5/18/5,08 OG	52	10025.4	PK 100/4/10,00-V DG	79	10079.1	PK 104/4/5,00-V GN	72
5320.1	PKDL 2,5/20/5,08 GN	51	10026.1	PK 100/5/10,00-V GN	79	10079.4	PK 104/4/5,00-V DG	72
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5322.1	PKDL 2,5/22/5,08 GN	51	10027.1	PK 100/6/10,00-V GN	79	10080.4	PK 104/5/5,00-V DG	72
5322.3	PKDR 2,5/22/5,08 OG	52	10027.4	PK 100/6/10,00-V DG	79	10081.1	PK 104/6/5,00-V GN	72
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5680.3	RS-SP 1 2000 mm OG	191	10029.4	PK 100/8/10,00-V DG	79	10083.1	PK 104/8/5,00-V GN	72
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10003.4	PK 100/4/5,00-V DG	70	10045.4	PK 100/2/5,00-V-BL DG	71	10093.4	PK 114/7/7,50-V DG	77
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10006.4	PK 100/7/5,00-V DG	70	10048.4	PK 100/5/5,00-V-BL DG	71	10096.4	PK 114/10/7,50-V DG	77
10007.1	PK 100/8/5,00-V GN	70	10049.1	PK 100/6/5,00-V-BL GN	71	10097.1	PK 114/11/7,50-V GN	77
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10116.4	PK 110/8/7,50-H DG	76	10154.4	PK 500/2/5,08-V DG	73	10192.4	PK 500/7/10,00-V DG	78
10117.1	PK 110/9/7,50-H GN	76	10155.1	PK 500/3/5,08-V GN	73	10193.1	PK 500/8/10,00-V GN	78
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10118.4	PK 110/10/7,50-H DG	76	10156.4	PK 500/4/5,08-V DG	73	10194.4	PK 500/9/10,00-V DG	78
10119.1	PK 110/11/7,50-H GN	76	10157.1	PK 500/5/5,08-V GN	73	10195.1	PK 500/10/10,00-V GN	78
10119.4	PK 110/11/7,50-H DG	76	10157.4	PK 500/5/5,08-V DG	73	10195.4	PK 500/10/10,00-V DG	78
10120.1	PK 110/12/7,50-H GN	76	10158.1	PK 500/6/5,08-V GN	73	10196.1	PK 500/11/10,00-V GN	78
10120.4	PK 110/12/7,50-H DG	76	10158.4	PK 500/6/5,08-V DG	73	10196.4	PK 500/11/10,00-V DG	78
10121.1	PK 120/2/5,08-V GN	74	10159.1	PK 500/7/5,08-V GN	73	10197.1	PK 500/12/10,00-V GN	78
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10122.4	PK 120/3/5,08-V DG	74	10160.4	PK 500/8/5,08-V DG	73	10198.4	PK 500/2/10,16-V DG	82
10123.1	PK 120/4/5,08-V GN	74	10161.1	PK 500/9/5,08-V GN	73	10199.1	PK 500/3/10,16-V GN	82
10123.4	PK 120/4/5,08-V DG	74	10161.4	PK 500/9/5,08-V DG	73	10199.4	PK 500/3/10,16-V DG	82
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10129.4	PK 120/10/5,08-V DG	74	10167.4	PK 500/4/5,00-H DG	67	10205.4	PK 500/9/10,16-V DG	82
10130.1	PK 120/11/5,08-V GN	74	10168.1	PK 500/5/5,00-H GN	67	10206.1	PK 500/10/10,16-V GN	82
10130.4	PK 120/11/5,08-V DG	74	10168.4	PK 500/5/5,00-H DG	67	10206.4	PK 500/10/10,16-V DG	82
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10131.4	PK 120/12/5,08-V DG	74	10169.4	PK 500/6/5,00-H DG	67	10207.4	PK 500/11/10,16-V DG	82
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10132.4	PK 120/2/5,08-H DG	74	10170.4	PK 500/7/5,00-H DG	67	10208.4	PK 500/12/10,16-V DG	82
10133.1	PK 120/3/5,08-H GN	74	10171.1	PK 500/8/5,00-H GN	67	10209.1	PK 500/2/10,00-H GN	78
10133.4	PK 120/3/5,08-H DG	74	10171.4	PK 500/8/5,00-H DG	67	10209.4	PK 500/2/10,00-H DG	78
10134.1	PK 120/4/5,08-H GN	74	10172.1	PK 500/9/5,00-H GN	67	10210.1	PK 500/3/10,00-H GN	78
10134.4	PK 120/4/5,08-H DG	74	10172.4	PK 500/9/5,00-H DG	67	10210.4	PK 500/3/10,00-H DG	78
10135.1	PK 120/5/5,08-H GN	74	10173.1	PK 500/10/5,00-H GN	67	10211.1	PK 500/4/10,00-H GN	78
10135.4	PK 120/5/5,08-H DG	74	10173.4	PK 500/10/5,00-H DG	67	10211.4	PK 500/4/10,00-H DG	78
10136.1	PK 120/6/5,08-H GN	74	10174.1	PK 500/11/5,00-H GN	67	10212.1	PK 500/5/10,00-H GN	78
10136.4	PK 120/6/5,08-H DG	74	10174.4	PK 500/11/5,00-H DG	67	10212.4	PK 500/5/10,00-H DG	78
10137.1	PK 120/7/5,08-H GN	74	10175.1	PK 500/12/5,00-H GN	67	10213.1	PK 500/6/10,00-H GN	78
10137.4	PK 120/7/5,08-H DG	74	10175.4	PK 500/12/5,00-H DG	67	10213.4	PK 500/6/10,00-H DG	78
10138.1	PK 120/8/5,08-H GN	74	10176.1	PK 500/2/5,08-H GN	73	10214.1	PK 500/7/10,00-H GN	78
10138.4	PK 120/8/5,08-H DG	74	10176.4	PK 500/2/5,08-H DG	73	10214.4	PK 500/7/10,00-H DG	78
10139.1	PK 120/9/5,08-H GN	74	10177.1	PK 500/3/5,08-H GN	73	10215.1	PK 500/8/10,00-H GN	78
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10217.1	PK 500/10/10,00-H GN	78	10255.1	PK 550/10/3,50-V GN	66	10293.1	PK 250/4/5,08-V GN	48
10217.4	PK 500/10/10,00-H DG	78	10255.4	PK 550/10/3,50-V DG	66	10293.4	PK 250/4/5,08-V DG	48
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10219.4	PK 500/12/10,00-H DG	78	10257.4	PK 550/12/3,50-V DG	66	10295.4	PK 250/6/5,08-V DG	48
10220.1	PK 500/2/10,16-H GN	82	10258.1	PK 550/13/3,50-V GN	66	10296.1	PK 250/7/5,08-V GN	48
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10221.1	PK 500/3/10,16-H GN	82	10259.1	PK 550/14/3,50-V GN	66	10297.1	PK 250/8/5,08-V GN	48
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10224.4	PK 500/6/10,16-H DG	82	10262.4	PK 550/2/3,50-H DG	66	10300.4	PK 250/11/5,08-V DG	48
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10225.4	PK 500/7/10,16-H DG	82	10263.4	PK 550/3/3,50-H DG	66	10301.4	PK 250/12/5,08-V DG	48
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10235.4	PK 500/6/5,00-V-BL DG	68	10273.4	PK 550/13/3,50-H DG	66	10317.1	PK 300/6/5,00 GN	41
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10240.1	PK 500/11/5,00-V-BL GN	68	10278.1	PK 550/3/7,00-V GN	75	10321.4	PK 300/10/5,00 DG	41
10240.4	PK 500/11/5,00-V-BL DG	68	10278.4	PK 550/3/7,00-V DG	75	10322.1	PK 300/11/5,00 GN	41
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10244.4	PK 500/4/10,00-V-BL DG	79	10282.4	PK 550/7/7,00-V DG	75	10326.1	PK 300/4/5,08 GN	48
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10354.1	PK 300/10/10,16 GN	60	10414.1	PKD 370/4/5,00-V GN	45	10452.1	PK 700/9/5,00-H GN	43
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10355.4	PK 300/11/10,16 DG	60	10415.4	PKD 370/5/5,00-V DG	45	10453.4	PK 700/10/5,00-H DG	43
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10364.1	PK 350/9/5,00-V GN	42	10420.4	PKD 370/10/5,00-V DG	45	10458.4	PK 700/4/5,08-H DG	50
10365.1	PK 350/10/5,00-V GN	42	10421.1	PKD 370/11/5,00-V GN	45	10459.1	PK 700/5/5,08-H GN	50
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10676.1	PKT 2200/12/10,00-H GN	64	10741.0	PZK 3010/5/7,50/7,62 LG	33	10806.0	PZK 3001/22/5,00/5,08-KD LG	27
10677.1	PKT 2200/13/10,00-H GN	64	10741.1	PZK 3010/5/7,50/7,62 GN	33	10807.0	PZK 3001/23/5,00/5,08-KD LG	27
10678.1	PKT 2200/14/10,00-H GN	64	10742.0	PZK 3010/6/7,50/7,62 LG	33	10808.0	PZK 3001/24/5,00/5,08-KD LG	27
10679.1	PKT 2200/15/10,00-H GN	64	10742.1	PZK 3010/6/7,50/7,62 GN	33	10834.0	PZK 3001/2/5,00/5,08-FD LG	28
10680.1	PKT 2200/16/10,00-H GN	64	10743.0	PZK 3010/7/7,50/7,62 LG	33	10834.1	PZK 3001/2/5,00/5,08-FD GN	28
10681.1	PKT 2200/17/10,00-H GN	64	10743.1	PZK 3010/7/7,50/7,62 GN	33	10835.0	PZK 3001/3/5,00/5,08-FD LG	28
10682.1	PKT 2200/18/10,00-H GN	64	10744.0	PZK 3010/8/7,50/7,62 LG	33	10835.1	PZK 3001/3/5,00/5,08-FD GN	28
10683.1	PKT 2200/19/10,00-H GN	64	10744.1	PZK 3010/8/7,50/7,62 GN	33	10836.0	PZK 3001/4/5,00/5,08-FD LG	28
10684.1	PKT 2200/20/10,00-H GN	64	10745.0	PZK 3010/9/7,50/7,62 LG	33	10836.1	PZK 3001/4/5,00/5,08-FD GN	28
10685.1	PKT 2200/21/10,00-H GN	64	10745.1	PZK 3010/9/7,50/7,62 GN	33	10837.0	PZK 3001/5/5,00/5,08-FD LG	28
10686.1	PKT 2200/22/10,00-H GN	64	10746.0	PZK 3010/10/7,50/7,62 LG	33	10837.1	PZK 3001/5/5,00/5,08-FD GN	28
10687.1	PKT 2200/23/10,00-H GN	64	10746.1	PZK 3010/10/7,50/7,62 GN	33	10838.0	PZK 3001/6/5,00/5,08-FD LG	28
10688.1	PKT 2200/24/10,00-H GN	64	10747.0	PZK 3010/11/7,50/7,62 LG	33	10838.1	PZK 3001/6/5,00/5,08-FD GN	28
10690.0	PZK 3000/2/5,00/5,08 LG	27	10747.1	PZK 3010/11/7,50/7,62 GN	33	10839.0	PZK 3001/7/5,00/5,08-FD LG	28
10690.1	PZK 3000/2/5,00/5,08 GN	27	10748.0	PZK 3010/12/7,50/7,62 LG	33	10839.1	PZK 3001/7/5,00/5,08-FD GN	28
10691.0	PZK 3000/3/5,00/5,08 LG	27	10748.1	PZK 3010/12/7,50/7,62 GN	33	10840.0	PZK 3001/8/5,00/5,08-FD LG	28
10691.1	PZK 3000/3/5,00/5,08 GN	27	10749.0	PZK 3010/13/7,50/7,62 LG	33	10840.1	PZK 3001/8/5,00/5,08-FD GN	28
10692.0	PZK 3000/4/5,00/5,08 LG	27	10749.1	PZK 3010/13/7,50/7,62 GN	33	10841.0	PZK 3001/9/5,00/5,08-FD LG	28
10692.1	PZK 3000/4/5,00/5,08 GN	27	10750.0	PZK 3010/14/7,50/7,62 LG	33	10841.1	PZK 3001/9/5,00/5,08-FD GN	28
10693.0	PZK 3000/5/5,00/5,08 LG	27	10750.1	PZK 3010/14/7,50/7,62 GN	33	10842.0	PZK 3001/10/5,00/5,08-FD LG	28
10693.1	PZK 3000/5/5,00/5,08 GN	27	10751.0	PZK 3010/15/7,50/7,62 LG	33	10842.1	PZK 3001/10/5,00/5,08-FD GN	28
10694.0	PZK 3000/6/5,00/5,08 LG	27	10751.1	PZK 3010/15/7,50/7,62 GN	33	10843.0	PZK 3001/11/5,00/5,08-FD LG	28
10694.1	PZK 3000/6/5,00/5,08 GN	27	10752.0	PZK 3010/16/7,50/7,62 LG	33	10843.1	PZK 3001/11/5,00/5,08-FD GN	28
10695.0	PZK 3000/7/5,00/5,08 LG	27	10752.1	PZK 3010/16/7,50/7,62 GN	33	10844.0	PZK 3001/12/5,00/5,08-FD LG	28
10695.1	PZK 3000/7/5,00/5,08 GN	27	10753.0	PZK 3010/17/7,50/7,62 LG	33	10844.1	PZK 3001/12/5,00/5,08-FD GN	28
10696.0	PZK 3000/8/5,00/5,08 LG	27	10753.1	PZK 3010/17/7,50/7,62 GN	33	10845.0	PZK 3001/13/5,00/5,08-FD LG	28
10696.1	PZK 3000/8/5,00/5,08 GN	27	10754.0	PZK 3010/18/7,50/7,62 LG	33	10845.1	PZK 3001/13/5,00/5,08-FD GN	28
10697.0	PZK 3000/9/5,00/5,08 LG	27	10754.1	PZK 3010/18/7,50/7,62 GN	33	10846.0	PZK 3001/14/5,00/5,08-FD LG	28
10697.1	PZK 3000/9/5,00/5,08 GN	27	10755.0	PZK 3010/19/7,50/7,62 LG	33	10846.1	PZK 3001/14/5,00/5,08-FD GN	28
10698.0	PZK 3000/10/5,00/5,08 LG	27	10755.1	PZK 3010/19/7,50/7,62 GN	33	10847.0	PZK 3001/15/5,00/5,08-FD LG	28
10698.1	PZK 3000/10/5,00/5,08 GN	27	10756.0	PZK 3010/20/7,50/7,62 LG	33	10847.1	PZK 3001/15/5,00/5,08-FD GN	28
10699.0	PZK 3000/11/5,00/5,08 LG	27	10756.1	PZK 3010/20/7,50/7,62 GN	33	10848.0	PZK 3001/16/5,00/5,08-FD LG	28
10699.1	PZK 3000/11/5,00/5,08 GN	27	10757.0	PZK 3010/21/7,50/7,62 LG	33	10848.1	PZK 3001/16/5,00/5,08-FD GN	28
10700.0	PZK 3000/12/5,00/5,08 LG	27	10757.1	PZK 3010/21/7,50/7,62 GN	33	10849.0	PZK 3001/17/5,00/5,08-FD LG	28
10700.1	PZK 3000/12/5,00/5,08 GN	27	10758.0	PZK 3010/22/7,50/7,62 LG	33	10849.1	PZK 3001/17/5,00/5,08-FD GN	28
10701.0	PZK 3000/13/5,00/5,08 LG	27	10758.1	PZK 3010/22/7,50/7,62 GN	33	10850.0	PZK 3001/18/5,00/5,08-FD LG	28
10701.1	PZK 3000/13/5,00/5,08 GN	27	10759.0	PZK 3010/23/7,50/7,62 LG	33	10850.1	PZK 3001/18/5,00/5,08-FD GN	28
10702.0	PZK 3000/14/5,00/5,08 LG	27	10759.1	PZK 3010/23/7,50/7,62 GN	33	10851.0	PZK 3001/19/5,00/5,08-FD LG	28
10702.1	PZK 3000/14/5,00/5,08 GN	27	10760.0	PZK 3010/24/7,50/7,62 LG	33	10851.1	PZK 3001/19/5,00/5,08-FD GN	28
10703.0	PZK 3000/15/5,00/5,08 LG	27	10760.1	PZK 3010/24/7,50/7,62 GN	33	10852.0	PZK 3001/20/5,00/5,08-FD LG	28
10703.1	PZK 3000/15/5,00/5,08 GN	27	10786.0	PZK 3001/2/5,00/5,08-KD LG	27	10852.1	PZK 3001/20/5,00/5,08-FD GN	28
10704.0	PZK 3000/16/5,00/5,08 LG	27	10786.1	PZK 3001/2/5,00/5,08-KD GN	27	10853.0	PZK 3001/21/5,00/5,08-FD LG	28
10704.1	PZK 3000/16/5,00/5,08 GN	27	10787.0	PZK 3001/3/5,00/5,08-KD LG	27	10853.1	PZK 3001/21/5,00/5,08-FD GN	28
10705.0	PZK 3000/17/5,00/5,08 LG	27	10787.1	PZK 3001/3/5,00/5,08-KD GN	27	10854.0	PZK 3001/22/5,00/5,08-FD LG	28
10705.1	PZK 3000/17/5,00/5,08 GN	27	10788.0	PZK 3001/4/5,00/5,08-KD LG	27	10854.1	PZK 3001/22/5,00/5,08-FD GN	28
10706.0	PZK 3000/18/5,00/5,08 LG	27	10788.1	PZK 3001/4/5,00/5,08-KD GN	27	10855.0	PZK 3001/23/5,00/5,08-FD LG	28
10706.1	PZK 3000/18/5,00/5,08 GN	27	10789.0	PZK 3001/5/5,00/5,08-KD LG	27	10855.1	PZK 3001/23/5,00/5,08-FD GN	28
10707.0	PZK 3000/19/5,00/5,08 LG	27	10789.1	PZK 3001/5/5,00/5,08-KD GN	27	10856.0	PZK 3001/24/5,00/5,08-FD LG	28
10707.1	PZK 3000/19/5,00/5,08 GN	27	10790.0	PZK 3001/6/5,00/5,08-KD LG	27	10856.1	PZK 3001/24/5,00/5,08-FD GN	28
10708.0	PZK 3000/20/5,00/5,08 LG	27	10790.1	PZK 3001/6/5,00/5,08-KD GN	27	10882.0	PZK 3011/2/7,50/7,62-KD LG	33
10708.1	PZK 3000/20/5,00/5,08 GN	27	10791.0	PZK 3001/7/5,00/5,08-KD LG	27	10882.1	PZK 3011/2/7,50/7,62-KD GN	33
10709.0	PZK 3000/21/5,00/5,08 LG	27	10791.1	PZK 3001/7/5,00/5,08-KD GN	27	10883.0	PZK 3011/3/7,50/7,62-KD LG	33
10709.1	PZK 3000/21/5,00/5,08 GN	27	10792.0	PZK 3001/8/5,00/5,08-KD LG	27	10883.1	PZK 3011/3/7,50/7,62-KD GN	33
10710.0	PZK 3000/22/5,00/5,08 LG	27	10792.1	PZK 3001/8/5,00/5,08-KD GN	27	10884.0	PZK 3011/4/7,50/7,62-KD LG	33



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11123.0	PZK 3101/3/5,00/5,08-WD LG	26	11185.1	PKB 130/2/5,00-BL GN	123	11239.1	PKB 950/11/5,08 GN	112
11123.1	PZK 3101/3/5,00/5,08-WD GN	26	11185.4	PKB 130/2/5,00-BL DG	123	11240.1	PKB 950/12/5,08 GN	112
11124.0	PZK 3101/4/5,00/5,08-WD LG	26	11186.1	PKB 130/3/5,00-BL GN	123	11241.1	PKB 950/13/5,08 GN	112
11124.1	PZK 3101/4/5,00/5,08-WD GN	26	11186.4	PKB 130/3/5,00-BL DG	123	11242.1	PKB 950/14/5,08 GN	112
11125.0	PZK 3101/5/5,00/5,08-WD LG	26	11187.1	PKB 130/4/5,00-BL GN	123	11243.1	PKB 950/15/5,08 GN	112
11125.1	PZK 3101/5/5,00/5,08-WD GN	26	11187.4	PKB 130/4/5,00-BL DG	123	11244.1	PKB 950/16/5,08 GN	112
11126.0	PZK 3101/6/5,00/5,08-WD LG	26	11188.1	PKB 130/5/5,00-BL GN	123	11245.1	PKB 950/17/5,08 GN	112
11126.1	PZK 3101/6/5,00/5,08-WD GN	26	11188.4	PKB 130/5/5,00-BL DG	123	11246.1	PKB 950/18/5,08 GN	112
11127.0	PZK 3101/7/5,00/5,08-WD LG	26	11189.1	PKB 130/6/5,00-BL GN	123	11247.1	PKB 950/19/5,08 GN	112
11127.1	PZK 3101/7/5,00/5,08-WD GN	26	11189.4	PKB 130/6/5,00-BL DG	123	11248.1	PKB 950/20/5,08 GN	112
11128.0	PZK 3101/8/5,00/5,08-WD LG	26	11190.1	PKB 130/7/5,00-BL GN	123	11249.1	PKB 950/21/5,08 GN	112
11128.1	PZK 3101/8/5,00/5,08-WD GN	26	11190.4	PKB 130/7/5,00-BL DG	123	11250.1	PKB 950/22/5,08 GN	112
11129.0	PZK 3101/9/5,00/5,08-WD LG	26	11191.1	PKB 130/8/5,00-BL GN	123	11251.1	PKB 950/23/5,08 GN	112
11129.1	PZK 3101/9/5,00/5,08-WD GN	26	11191.4	PKB 130/8/5,00-BL DG	123	11252.1	PKB 950/24/5,08 GN	112
11130.0	PZK 3101/10/5,00/5,08-WD LG	26	11192.1	PKB 130/9/5,00-BL GN	123	11253.1	PKB 960/2/7,62 GN	118
11130.1	PZK 3101/10/5,00/5,08-WD GN	26	11192.4	PKB 130/9/5,00-BL DG	123	11254.1	PKB 960/3/7,62 GN	118
11131.0	PZK 3101/11/5,00/5,08-WD LG	26	11193.1	PKB 130/10/5,00-BL GN	123	11255.1	PKB 960/4/7,62 GN	118
11131.1	PZK 3101/11/5,00/5,08-WD GN	26	11193.4	PKB 130/10/5,00-BL DG	123	11256.1	PKB 960/5/7,62 GN	118
11132.0	PZK 3101/12/5,00/5,08-WD LG	26	11194.1	PKB 130/11/5,00-BL GN	123	11257.1	PKB 960/6/7,62 GN	118
11132.1	PZK 3101/12/5,00/5,08-WD GN	26	11194.4	PKB 130/11/5,00-BL DG	123	11258.1	PKB 960/7/7,62 GN	118
11133.0	PZK 3101/13/5,00/5,08-WD LG	26	11195.1	PKB 130/12/5,00-BL GN	123	11259.1	PKB 960/8/7,62 GN	118
11133.1	PZK 3101/13/5,00/5,08-WD GN	26	11195.4	PKB 130/12/5,00-BL DG	123	11260.1	PKB 960/9/7,62 GN	118
11134.0	PZK 3101/14/5,00/5,08-WD LG	26	11196.1	PKB 130/13/5,00-BL GN	123	11261.1	PKB 960/10/7,62 GN	118
11134.1	PZK 3101/14/5,00/5,08-WD GN	26	11196.4	PKB 130/13/5,00-BL DG	123	11262.1	PKB 960/11/7,62 GN	118
11135.0	PZK 3101/15/5,00/5,08-WD LG	26	11197.1	PKB 130/14/5,00-BL GN	123	11263.1	PKB 960/12/7,62 GN	118
11135.1	PZK 3101/15/5,00/5,08-WD GN	26	11197.4	PKB 130/14/5,00-BL DG	123	11264.1	PKB 960/13/7,62 GN	118
11136.0	PZK 3101/16/5,00/5,08-WD LG	26	11198.1	PKB 130/15/5,00-BL GN	123	11265.1	PKB 960/14/7,62 GN	118
11136.1	PZK 3101/16/5,00/5,08-WD GN	26	11198.4	PKB 130/15/5,00-BL DG	123	11266.1	PKB 960/15/7,62 GN	118
11137.0	PZK 3101/17/5,00/5,08-WD LG	26	11199.1	PKB 130/16/5,00-BL GN	123	11267.1	PKB 960/16/7,62 GN	118
11137.1	PZK 3101/17/5,00/5,08-WD GN	26	11199.4	PKB 130/16/5,00-BL DG	123	11268.1	PKB 950/2/5,00-F GN	108
11138.0	PZK 3101/18/5,00/5,08-WD LG	26	11200.1	PKB 130/2/10,00-BL GN	125	11269.1	PKB 950/3/5,00-F GN	108
11138.1	PZK 3101/18/5,00/5,08-WD GN	26	11200.4	PKB 130/2/10,00-BL DG	125	11270.1	PKB 950/4/5,00-F GN	108
11139.0	PZK 3101/19/5,00/5,08-WD LG	26	11201.1	PKB 130/3/10,00-BL GN	125	11271.1	PKB 950/5/5,00-F GN	108
11139.1	PZK 3101/19/5,00/5,08-WD GN	26	11201.4	PKB 130/3/10,00-BL DG	125	11272.1	PKB 950/6/5,00-F GN	108
11140.0	PZK 3101/20/5,00/5,08-WD LG	26	11202.1	PKB 130/4/10,00-BL GN	125	11273.1	PKB 950/7/5,00-F GN	108
11140.1	PZK 3101/20/5,00/5,08-WD GN	26	11202.4	PKB 130/4/10,00-BL DG	125	11274.1	PKB 950/8/5,00-F GN	108
11141.0	PZK 3101/21/5,00/5,08-WD LG	26	11203.1	PKB 130/5/10,00-BL GN	125	11275.1	PKB 950/9/5,00-F GN	108
11141.1	PZK 3101/21/5,00/5,08-WD GN	26	11203.4	PKB 130/5/10,00-BL DG	125	11276.1	PKB 950/10/5,00-F GN	108
11142.0	PZK 3101/22/5,00/5,08-WD LG	26	11204.1	PKB 130/6/10,00-BL GN	125	11277.1	PKB 950/2/5,08-F GN	112
11142.1	PZK 3101/22/5,00/5,08-WD GN	26	11204.4	PKB 130/6/10,00-BL DG	125	11278.1	PKB 950/3/5,08-F GN	112
11143.0	PZK 3101/23/5,00/5,08-WD LG	26	11205.1	PKB 130/7/10,00-BL GN	125	11279.1	PKB 950/4/5,08-F GN	112
11143.1	PZK 3101/23/5,00/5,08-WD GN	26	11205.4	PKB 130/7/10,00-BL DG	125	11280.1	PKB 950/5/5,08-F GN	112
11144.0	PZK 3101/24/5,00/5,08-WD LG	26	11206.1	PKB 130/8/10,00-BL GN	125	11281.1	PKB 950/6/5,08-F GN	112
11144.1	PZK 3101/24/5,00/5,08-WD GN	26	11206.4	PKB 130/8/10,00-BL DG	125	11282.1	PKB 950/7/5,08-F GN	112
11169.1	PKB 130/2/5,00 GN	123	11207.1	PKB 950/2/5,00 GN	108	11283.1	PKB 950/8/5,08-F GN	112
11169.4	PKB 130/2/5,00 DG	123	11208.1	PKB 950/3/5,00 GN	108	11284.1	PKB 950/9/5,08-F GN	112
11170.1	PKB 130/3/5,00 GN	123	11209.1	PKB 950/4/5,00 GN	108	11285.1	PKB 950/10/5,08-F GN	112
11170.4	PKB 130/3/5,00 DG	123	11210.1	PKB 950/5/5,00 GN	108	11286.1	PKB 1100/2/5,00 GN	111
11171.1	PKB 130/4/5,00 GN	123	11211.1	PKB 950/6/5,00 GN	108	11287.1	PKB 1100/3/5,00 GN	111
11171.4	PKB 130/4/5,00 DG	123	11212.1	PKB 950/7/5,00 GN	108	11288.1	PKB 1100/4/5,00 GN	111
11172.1	PKB 130/5/5,00 GN	123	11213.1	PKB 950/8/5,00 GN	108	11289.1	PKB 1100/5/5,00 GN	111
11172.4	PKB 130/5/5,00 DG	123	11214.1	PKB 950/9/5,00 GN	108	11290.1	PKB 1100/6/5,00 GN	111
11173.1	PKB 130/6/5,00 GN	123	11215.1	PKB 950/10/5,00 GN	108	11291.1	PKB 1100/7/5,00 GN	111
11173.4	PKB 130/6/5,00 DG	123	11216.1	PKB 950/11/5,00 GN	108	11292.1	PKB 1100/8/5,00 GN	111
11174.1	PKB 130/7/5,00 GN	123	11217.1	PKB 950/12/5,00 GN	108	11293.1	PKB 1100/9/5,00 GN	111
11174.4	PKB 130/7/5,00 DG	123	11218.1	PKB 950/13/5,00 GN	108	11294.1	PKB 1100/10/5,00 GN	111
11175.1	PKB 130/8/5,00 GN	123	11219.1	PKB 950/14/5,00 GN	108	11295.1	PKB 1100/11/5,00 GN	111
11175.4	PKB 130/8/5,00 DG	123	11220.1	PKB 950/15/5,00 GN	108	11296.1	PKB 1100/12/5,00 GN	111
11176.1	PKB 130/9/5,00 GN	123	11221.1	PKB 950/16/5,00 GN	108	11297.1	PKB 1100/13/5,00 GN	111
11176.4	PKB 130/9/5,00 DG	123	11222.1	PKB 950/17/5,00 GN	108	11298.1	PKB 1100/14/5,00 GN	111
11177.1	PKB 130/10/5,00 GN	123	11223.1	PKB 950/18/5,00 GN	108	11299.1	PKB 1100/15/5,00 GN	111
11177.4	PKB 130/10/5,00 DG	123	11224.1	PKB 950/19/5,00 GN	108	11300.1	PKB 1100/16/5,00 GN	111
11178.1	PKB 130/11/5,00 GN	123	11225.1	PKB 950/20/5,00 GN	108	11301.1	PKB 1100/17/5,00 GN	111
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12073.0	PZK 3191/18/2,50-KD LG	24	12324.1	PK-TS/7/5,08 GN	170	12390.1	PK 100/18/5,00-V GN	70
12074.0	PZK 3191/19/2,50-KD LG	24	12325.1	PK-TS/8/5,08 GN	170	12390.4	PK 100/18/5,00-V DG	70
12075.0	PZK 3191/20/2,50-KD LG	24	12326.1	PK-TS/9/5,08 GN	170	12391.1	PK 100/19/5,00-V GN	70
12076.0	PZK 3191/21/2,50-KD LG	24	12327.1	PK-TS/10/5,08 GN	170	12391.4	PK 100/19/5,00-V DG	70
12077.0	PZK 3191/22/2,50-KD LG	24	12328.1	PK-TS/11/5,08 GN	170	12392.1	PK 100/20/5,00-V GN	70
12078.0	PZK 3191/23/2,50-KD LG	24	12329.1	PK-TS/12/5,08 GN	170	12392.4	PK 100/20/5,00-V DG	70
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12110.3	PZK 3191/6/2,54 OG	25	12335.1	PK-TS/18/5,08 GN	170	12395.4	PK 100/23/5,00-V DG	70
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12535.1	PK 500/19/5,08-H GN	73	12573.4	PK 300/21/5,08 DG	48	12619.4	PK 700/23/5,00-V DG	43
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12537.1	PK 500/21/5,08-H GN	73	12575.4	PK 300/23/5,08 DG	48	12621.4	PK 700/13/5,08-V DG	50
12537.4	PK 500/21/5,08-H DG	73	12576.1	PK 300/24/5,08 GN	48	12622.1	PK 700/14/5,08-V GN	50
12538.1	PK 500/22/5,08-H GN	73	12576.4	PK 300/24/5,08 DG	48	12622.4	PK 700/14/5,08-V DG	50
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12539.1	PK 500/23/5,08-H GN	73	12577.4	PK 360/13/7,50-V DG	54	12623.4	PK 700/15/5,08-V DG	50
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12543.1	PK 250/15/5,08-V GN	48	12581.4	PK 360/17/7,50-V DG	54	12627.4	PK 700/19/5,08-V DG	50
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12544.1	PK 250/16/5,08-V GN	48	12582.4	PK 360/18/7,50-V DG	54	12628.4	PK 700/20/5,08-V DG	50
12544.4	PK 250/16/5,08-V DG	48	12583.1	PK 360/19/7,50-V GN	54	12629.1	PK 700/21/5,08-V GN	50
12545.1	PK 250/17/5,08-V GN	48	12583.4	PK 360/19/7,50-V DG	54	12629.4	PK 700/21/5,08-V DG	50
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13316.0	PBK 4291/8/3,50-KDVP LG	14	13389.1	PZK 3750/9/5,00-VP GN	29	13466.1	STL 970/6/5,08-H-F GN	161
13317.0	PBK 4291/9/3,50-KDVP LG	14	13390.1	PZK 3750/10/5,00-VP GN	29	13467.1	STL 970/7/5,08-H-F GN	161
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13488.4	PK 500/16/10,00-H DG	78	13529.1	PK 500/21/10,16-V GN	82	13578.1	PK 250/22/10,16-V GN	59
13489.1	PK 500/17/10,00-H GN	78	13529.4	PK 500/21/10,16-V DG	82	13579.1	PK 250/23/10,16-V GN	59
13489.4	PK 500/17/10,00-H DG	78	13530.1	PK 500/22/10,16-V GN	82	13580.1	PK 250/24/10,16-V GN	59
13490.1	PK 500/18/10,00-H GN	78	13530.4	PK 500/22/10,16-V DG	82	13581.1	PK 300/13/10,16 GN	60
13490.4	PK 500/18/10,00-H DG	78	13531.1	PK 500/23/10,16-V GN	82	13581.4	PK 300/13/10,16 DG	60
13491.1	PK 500/19/10,00-H GN	78	13531.4	PK 500/23/10,16-V DG	82	13582.1	PK 300/14/10,16 GN	60
13491.4	PK 500/19/10,00-H DG	78	13532.1	PK 500/24/10,16-V GN	82	13582.4	PK 300/14/10,16 DG	60
13492.1	PK 500/20/10,00-H GN	78	13532.4	PK 500/24/10,16-V DG	82	13583.1	PK 300/15/10,16 GN	60
13492.4	PK 500/20/10,00-H DG	78	13533.1	PK 500/13/10,16-H GN	82	13583.4	PK 300/15/10,16 DG	60
13493.1	PK 500/21/10,00-H GN	78	13533.4	PK 500/13/10,16-H DG	82	13584.1	PK 300/16/10,16 GN	60
13493.4	PK 500/21/10,00-H DG	78	13534.1	PK 500/14/10,16-H GN	82	13584.4	PK 300/16/10,16 DG	60
13494.1	PK 500/22/10,00-H GN	78	13534.4	PK 500/14/10,16-H DG	82	13585.1	PK 300/17/10,16 GN	60
13494.4	PK 500/22/10,00-H DG	78	13535.1	PK 500/15/10,16-H GN	82	13585.4	PK 300/17/10,16 DG	60
13495.1	PK 500/23/10,00-H GN	78	13535.4	PK 500/15/10,16-H DG	82	13586.1	PK 300/18/10,16 GN	60
13495.4	PK 500/23/10,00-H DG	78	13536.1	PK 500/16/10,16-H GN	82	13586.4	PK 300/18/10,16 DG	60
13496.1	PK 500/24/10,00-H GN	78	13536.4	PK 500/16/10,16-H DG	82	13587.1	PK 300/19/10,16 GN	60
13496.4	PK 500/24/10,00-H DG	78	13537.1	PK 500/17/10,16-H GN	82	13587.4	PK 300/19/10,16 DG	60
13497.1	PK 100/13/10,00-V GN	79	13537.4	PK 500/17/10,16-H DG	82	13588.1	PK 300/20/10,16 GN	60
13497.4	PK 100/13/10,00-V DG	79	13538.1	PK 500/18/10,16-H GN	82	13588.4	PK 300/20/10,16 DG	60
13498.1	PK 100/14/10,00-V GN	79	13538.4	PK 500/18/10,16-H DG	82	13589.1	PK 300/21/10,16 GN	60
13498.4	PK 100/14/10,00-V DG	79	13539.1	PK 500/19/10,16-H GN	82	13589.4	PK 300/21/10,16 DG	60
13499.1	PK 100/15/10,00-V GN	79	13539.4	PK 500/19/10,16-H DG	82	13590.1	PK 300/22/10,16 GN	60
13499.4	PK 100/15/10,00-V DG	79	13540.1	PK 500/20/10,16-H GN	82	13590.4	PK 300/22/10,16 DG	60
13500.1	PK 100/16/10,00-V GN	79	13540.4	PK 500/20/10,16-H DG	82	13591.1	PK 300/23/10,16 GN	60
13500.4	PK 100/16/10,00-V DG	79	13541.1	PK 500/21/10,16-H GN	82	13591.4	PK 300/23/10,16 DG	60
13501.1	PK 100/17/10,00-V GN	79	13541.4	PK 500/21/10,16-H DG	82	13592.1	PK 300/24/10,16 GN	60
13501.4	PK 100/17/10,00-V DG	79	13542.1	PK 500/22/10,16-H GN	82	13592.4	PK 300/24/10,16 DG	60
13502.1	PK 100/18/10,00-V GN	79	13542.4	PK 500/22/10,16-H DG	82	13593.1	PK 350/13/10,16-V GN	59
13502.4	PK 100/18/10,00-V DG	79	13543.1	PK 500/23/10,16-H GN	82	13594.1	PK 350/14/10,16-V GN	59
13503.1	PK 100/19/10,00-V GN	79	13543.4	PK 500/23/10,16-H DG	82	13595.1	PK 350/15/10,16-V GN	59
13503.4	PK 100/19/10,00-V DG	79	13544.1	PK 500/24/10,16-H GN	82	13596.1	PK 350/16/10,16-V GN	59
13504.1	PK 100/20/10,00-V GN	79	13544.4	PK 500/24/10,16-H DG	82	13597.1	PK 350/17/10,16-V GN	59
13504.4	PK 100/20/10,00-V DG	79	13545.1	PK 300/13/10,00 GN	58	13598.1	PK 350/18/10,16-V GN	59
13505.1	PK 100/21/10,00-V GN	79	13545.4	PK 300/13/10,00 DG	58	13599.1	PK 350/19/10,16-V GN	59
13505.4	PK 100/21/10,00-V DG	79	13546.1	PK 300/14/10,00 GN	58	13600.1	PK 350/20/10,16-V GN	59
13506.1	PK 100/22/10,00-V GN	79	13546.4	PK 300/14/10,00 DG	58	13601.1	PK 350/21/10,16-V GN	59
13506.4	PK 100/22/10,00-V DG	79	13547.1	PK 300/15/10,00 GN	58	13602.1	PK 350/22/10,16-V GN	59
13507.1	PK 100/23/10,00-V GN	79	13547.4	PK 300/15/10,00 DG	58	13603.1	PK 350/23/10,16-V GN	59
13507.4	PK 100/23/10,00-V DG	79	13548.1	PK 300/16/10,00 GN	58	13604.1	PK 350/24/10,16-V GN	59
13508.1	PK 100/24/10,00-V GN	79	13548.4	PK 300/16/10,00 DG	58	13605.1	PK 360/2/7,50-H GN	54
13508.4	PK 100/24/10,00-V DG	79	13549.1	PK 300/17/10,00 GN	58	13605.4	PK 360/2/7,50-H DG	54
13509.1	PK 100/13/10,00-H GN	80	13550.1	PK 300/18/10,00 GN	58	13606.1	PK 360/3/7,50-H GN	54
13510.1	PK 100/14/10,00-H GN	80	13550.4	PK 300/18/10,00 DG	58	13606.4	PK 360/3/7,50-H DG	54
13511.1	PK 100/15/10,00-H GN	80	13551.1	PK 300/19/10,00 GN	58	13607.1	PK 360/4/7,50-H GN	54
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13514.1	PK 100/18/10,00-H GN	80	13552.4	PK 300/20/10,00 DG	58	13608.4	PK 360/5/7,50-H DG	54
13514.4	PK 100/18/10,00-H DG	80	13553.1	PK 300/21/10,00 GN	58	13609.1	PK 360/6/7,50-H GN	54
13515.1	PK 100/19/10,00-H GN	80	13553.4	PK 300/21/10,00 DG	58	13609.4	PK 360/6/7,50-H DG	54
13515.4	PK 100/19/10,00-H DG	80	13554.1	PK 300/22/10,00 GN	58	13610.1	PK 360/7/7,50-H GN	54
13516.1	PK 100/20/10,00-H GN	80	13554.4	PK 300/22/10,00 DG	58	13610.4	PK 360/7/7,50-H DG	54
13516.4	PK 100/20/10,00-H DG	80	13555.1	PK 300/23/10,00 GN	58	13611.1	PK 360/8/7,50-H GN	54
13517.1	PK 100/21/10,00-H GN	80	13555.4	PK 300/23/10,00 DG	58	13611.4	PK 360/8/7,50-H DG	54
13517.4	PK 100/21/10,00-H DG	80	13556.1	PK 300/24/10,00 GN	58	13612.1	PK 360/9/7,50-H GN	54
13518.1	PK 100/22/10,00-H GN	80	13556.4	PK 300/24/10,00 DG	58	13612.4	PK 360/9/7,50-H DG	54
13518.4	PK 100/22/10,00-H DG	80	13557.1	PK 350/13/10,00-V GN	58	13613.1	PK 360/10/7,50-H GN	54
13519.1	PK 100/23/10,00-H GN	80	13557.4	PK 350/14/10,00-V GN	58	13613.4	PK 360/10/7,50-H DG	54
13519.4	PK 100/23/10,00-H DG	80	13558.1	PK 350/15/10,00-V GN	58	13614.1	PK 360/11/7,50-H GN	54
13520.1	PK 100/24/10,00-H GN	80	13558.4	PK 350/16/10,00-V GN	58	13614.4	PK 360/11/7,50-H DG	54
13520.4	PK 100/24/10,00-H DG	80	13560.1	PK 350/17/10,00-V GN	58	13615.1	PK 360/12/7,50-H GN	54
13521.1	PK 500/13/10,16-V GN	82	13561.4	PK 350/17/10,00-V DG	58	13615.4	PK 360/12/7,50-H DG	54
13521.4	PK 500/13/10,16-V DG	82	13562.1	PK 350/18/10,00-V GN	58	13616.1	PK 360/13/7,50-H GN	54
13522.1	PK 500/14/10,16-V GN	82	13563.4	PK 350/19/10,00-V GN	58	13616.4	PK 360/13/7,50-H DG	54
13522.4	PK 500/14/10,16-V DG	82	13564.1	PK 350/20/10,00-V GN	58	13617.1	PK 360/14/7,50-H GN	54
13523.1	PK 500/15/10,16-V GN	82	13565.4	PK 350/21/10,00-V GN	58	13617.4	PK 360/14/7,50-H DG	54
13523.4	PK 500/15/10,16-V DG	82	13566.1	PK 350/22/10,00-V GN	58	13618.1	PK 360/15/7,50-H GN	54
13524.1	PK 500/16/10,16-V GN	82	13567.4	PK 350/23/10,00-V GN	58	13618.4	PK 360/15/7,50-H DG	54
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13626.1	PK 360/23/7,50-H GN	54	13678.4	STL 140/7/5,08-H BK	131	13754.1	STL 1550/3/3,50-V-F GN	135
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13627.1	PK 360/24/7,50-H GN	54	13680.4	STL 140/9/5,08-H BK	131	13756.1	STL 1550/5/3,50-V-F GN	135
13627.4	PK 360/24/7,50-H DG	54	13681.4	STL 140/10/5,08-H BK	131	13757.1	STL 1550/6/3,50-V-F GN	135
13628.1	PKB 130/2/5,08-BL GN	124	13682.4	STL 140/11/5,08-H BK	131	13758.1	STL 1550/7/3,50-V-F GN	135
13628.4	PKB 130/2/5,08-BL DG	124	13683.4	STL 140/12/5,08-H BK	131	13759.1	STL 1550/8/3,50-V-F GN	135
13629.1	PKB 130/3/5,08-BL GN	124	13684.4	STL 140/13/5,08-H BK	131	13760.1	STL 1550/9/3,50-V-F GN	135
13629.4	PKB 130/3/5,08-BL DG	124	13685.4	STL 140/14/5,08-H BK	131	13761.1	STL 1550/10/3,50-V-F GN	135
13630.1	PKB 130/4/5,08-BL GN	124	13686.4	STL 140/15/5,08-H BK	131	13762.1	STL 1550/11/3,50-V-F GN	135
13630.4	PKB 130/4/5,08-BL DG	124	13687.4	STL 140/16/5,08-H BK	131	13763.1	STL 1550/12/3,50-V-F GN	135
13631.1	PKB 130/5/5,08-BL GN	124	13688.4	STL 140/17/5,08-H BK	131	13764.1	STL 1550/13/3,50-V-F GN	135
13631.4	PKB 130/5/5,08-BL DG	124	13689.4	STL 140/18/5,08-H BK	131	13765.1	STL 1550/14/3,50-V-F GN	135
13632.1	PKB 130/6/5,08-BL GN	124	13690.4	STL 140/19/5,08-H BK	131	13766.1	STL 1550/15/3,50-V-F GN	135
13632.4	PKB 130/6/5,08-BL DG	124	13691.4	STL 140/20/5,08-H BK	131	13767.1	STL 1550/16/3,50-V-F GN	135
13633.1	PKB 130/7/5,08-BL GN	124	13692.4	STL 140/21/5,08-H BK	131	13768.1	STL 1550/17/3,50-V-F GN	135
13633.4	PKB 130/7/5,08-BL DG	124	13693.4	STL 140/22/5,08-H BK	131	13769.1	STL 1550/18/3,50-V-F GN	135
13634.1	PKB 130/8/5,08-BL GN	124	13694.4	STL 140/23/5,08-H BK	131	13770.1	STL 1550/2/3,50-H-F GN	135
13634.4	PKB 130/8/5,08-BL DG	124	13695.4	STL 140/24/5,08-H BK	131	13771.1	STL 1550/3/3,50-H-F GN	135
13635.1	PKB 130/9/5,08-BL GN	124	13696.4	STL 130/2/10,16-V BK	133	13772.1	STL 1550/4/3,50-H-F GN	135
13635.4	PKB 130/9/5,08-BL DG	124	13697.4	STL 130/3/10,16-V BK	133	13773.1	STL 1550/5/3,50-H-F GN	135
13636.1	PKB 130/10/5,08-BL GN	124	13698.4	STL 130/4/10,16-V BK	133	13774.1	STL 1550/6/3,50-H-F GN	135
13636.4	PKB 130/10/5,08-BL DG	124	13699.4	STL 130/5/10,16-V BK	133	13775.1	STL 1550/7/3,50-H-F GN	135
13637.1	PKB 130/11/5,08-BL GN	124	13700.4	STL 130/6/10,16-V BK	133	13776.1	STL 1550/8/3,50-H-F GN	135
13637.4	PKB 130/11/5,08-BL DG	124	13701.4	STL 130/7/10,16-V BK	133	13777.1	STL 1550/9/3,50-H-F GN	135
13638.1	PKB 130/12/5,08-BL GN	124	13702.4	STL 130/8/10,16-V BK	133	13778.1	STL 1550/10/3,50-H-F GN	135
13638.4	PKB 130/12/5,08-BL DG	124	13703.4	STL 130/9/10,16-V BK	133	13779.1	STL 1550/11/3,50-H-F GN	135
13639.1	PKB 130/13/5,08-BL GN	124	13704.4	STL 130/10/10,16-V BK	133	13780.1	STL 1550/12/3,50-H-F GN	135
13639.4	PKB 130/13/5,08-BL DG	124	13705.4	STL 130/11/10,16-V BK	133	13781.1	STL 1550/13/3,50-H-F GN	135
13640.1	PKB 130/14/5,08-BL GN	124	13706.4	STL 130/12/10,16-V BK	133	13782.1	STL 1550/14/3,50-H-F GN	135
13640.4	PKB 130/14/5,08-BL DG	124	13707.1	PKB 950/23/5,08-F GN	112	13783.1	STL 1550/15/3,50-H-F GN	135
13641.1	PKB 130/15/5,08-BL GN	124	13708.1	PKB 950/24/5,08-F GN	112	13784.1	STL 1550/16/3,50-H-F GN	135
13641.4	PKB 130/15/5,08-BL DG	124	13709.1	STL 1550/17/3,81-V-G GN	139	13785.1	STL 1550/17/3,50-H-F GN	135
13642.1	PKB 130/16/5,08-BL GN	124	13710.1	STL 1550/18/3,81-V-G GN	139	13786.1	STL 1550/18/3,81-V-F GN	135
13642.4	PKB 130/16/5,08-BL DG	124	13711.1	STL 1550/19/3,81-V-G GN	139	13787.1	STL 1550/2/3,81-V-F GN	140
13643.1	PKB 130/2/10,16-BL GN	126	13712.1	STL 1550/20/3,81-V-G GN	139	13788.1	STL 1550/3/3,81-V-F GN	140
13643.4	PKB 130/2/10,16-BL DG	126	13713.1	STL 1550/17/3,81-H-G GN	139	13789.1	STL 1550/4/3,81-V-F GN	140
13644.1	PKB 130/3/10,16-BL GN	126	13714.1	STL 1550/18/3,81-H-G GN	139	13790.1	STL 1550/5/3,81-V-F GN	140
13644.4	PKB 130/3/10,16-BL DG	126	13715.1	STL 1550/19/3,81-H-G GN	139	13791.1	STL 1550/6/3,81-V-F GN	140
13645.1	PKB 130/4/10,16-BL GN	126	13716.1	STL 1550/20/3,81-H-G GN	139	13792.1	STL 1550/7/3,81-V-F GN	140
13645.4	PKB 130/4/10,16-BL DG	126	13717.1	PKB 1550/2/3,50-F GN	102	13793.1	STL 1550/8/3,81-V-F GN	140
13646.1	PKB 130/5/10,16-BL GN	126	13718.1	PKB 1550/3/3,50-F GN	102	13794.1	STL 1550/9/3,81-V-F GN	140
13646.4	PKB 130/5/10,16-BL DG	126	13719.1	PKB 1550/4/3,50-F GN	102	13795.1	STL 1550/10/3,81-V-F GN	140
13647.1	PKB 130/6/10,16-BL GN	126	13720.1	PKB 1550/5/3,50-F GN	102	13796.1	STL 1550/11/3,81-V-F GN	140
13647.4	PKB 130/6/10,16-BL DG	126	13721.1	PKB 1550/6/3,50-F GN	102	13797.1	STL 1550/12/3,81-V-F GN	140
13648.1	PKB 130/7/10,16-BL GN	126	13722.1	PKB 1550/7/3,50-F GN	102	13798.1	STL 1550/13/3,81-V-F GN	140
13648.4	PKB 130/7/10,16-BL DG	126	13723.1	PKB 1550/8/3,50-F GN	102	13799.1	STL 1550/14/3,81-V-F GN	140
13649.1	PKB 130/8/10,16-BL GN	126	13724.1	PKB 1550/9/3,50-F GN	102	13800.1	STL 1550/15/3,81-V-F GN	140
13649.4	PKB 130/8/10,16-BL DG	126	13725.1	PKB 1550/10/3,50-F GN	102	13801.1	STL 1550/16/3,81-V-F GN	140
13650.4	STL 130/2/5,08-V BK	131	13726.1	PKB 1550/11/3,50-F GN	102	13802.1	STL 1550/17/3,81-V-F GN	140
13651.4	STL 130/3/5,08-V BK	131	13727.1	PKB 1550/12/3,50-F GN	102	13803.1	STL 1550/18/3,81-V-F GN	140
13652.4	STL 130/4/5,08-V BK	131	13728.1	PKB 1550/13/3,50-F GN	102	13804.1	STL 1550/19/3,81-V-F GN	140
13653.4	STL 130/5/5,08-V BK	131	13729.1	PKB 1550/14/3,50-F GN	102	13805.1	STL 1550/20/3,81-V-F GN	140
13654.4	STL 130/6/5,08-V BK	131	13730.1	PKB 1550/15/3,50-F GN	102	13806.1	STL 1550/2/3,81-H-F GN	140
13655.4	STL 130/7/5,08-V BK	131	13731.1	PKB 1550/16/3,50-F GN	102	13807.1	STL 1550/3/3,81-H-F GN	140
13656.4	STL 130/8/5,08-V BK	131	13732.1	PKB 1550/17/3,50-F GN	102	13808.1	STL 1550/4/3,81-H-F GN	140
13657.4	STL 130/9/5,08-V BK	131	13733.1	PKB 1550/18/3,50-F GN	102	13809.1	STL 1550/5/3,81-H-F GN	140
13658.4	STL 130/10/5,08-V BK	131	13734.1	PKB 1550/2/3,81-F GN	105	13810.1	STL 1550/6/3,81-H-F GN	140
13659.4	STL 130/11/5,08-V BK	131	13735.1	PKB 1550/3/3,81-F GN	105	13811.1	STL 1550/7/3,81-H-F GN	140
13660.4	STL 130/12/5,08-V BK	131	13736.1	PKB 1550/4/3,81-F GN	105	13812.1	STL 1550/8/3,81-H-F GN	140
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13662.4	STL 130/14/5,08-V BK	131	13738.1	PKB 1550/6/3,81-F GN	105	13814.1	STL 1550/10/3,81-H-F GN	140
13663.4	STL 130/15/5,08-V BK	131	13739.1	PKB 1550/7/3,81-F GN	105	13815.1	STL 1550/11/3,81-H-F GN	140
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13834.1	PK-TS/11/5,08/15-F GN	171	13939.4	STL 1350/7/3,50-H BK	128	14024.1	PFBZ 4551/11/3,81-FKD GN	91
13835.1	PK-TS/12/5,08/15-F GN	171	13940.4	STL 1350/8/3,50-H BK	128	14025.1	PFBZ 4551/12/3,81-FKD GN	91
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13848.1	PK-TS/2/5,08-F GN	171	13953.4	STL 1350/21/3,50-H BK	128	14068.1	PKBZ 1551/10/3,81-F GN	106
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13850.1	PK-TS/4/5,08-F GN	171	13955.4	STL 1350/23/3,50-H BK	128	14070.1	PKBZ 1551/12/3,81-F GN	106
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30026.1	PKB 1551/6/3,50-F GN	103	3016.0	BK 3,50/2,8 FW 1-10	187	30266.1	PFB 4551/6/3,50-KD GN	89
30027.1	PKB 1551/7/3,50-F GN	103	30162.1	PKB 950/2/5,00-F-HC GN	109	30267.1	PFB 4551/7/3,50-KD GN	89
30028.1	PKB 1551/8/3,50-F GN	103	30163.1	PKB 950/3/5,00-F-HC GN	109	30268.1	PFB 4551/8/3,50-KD GN	89
30029.1	PKB 1551/9/3,50-F GN	103	30164.1	PKB 950/4/5,00-F-HC GN	109	30269.1	PFB 4551/9/3,50-KD GN	89
30030.1	PKB 1551/10/3,50-F GN	103	30165.1	PKB 950/5/5,00-F-HC GN	109	30270.1	PFB 4551/10/3,50-KD GN	89
30031.1	PKB 1551/11/3,50-F GN	103	30166.1	PKB 950/6/5,00-F-HC GN	109	30271.1	PFB 4551/11/3,50-KD GN	89
30032.1	PKB 1551/12/3,50-F GN	103	30167.1	PKB 950/7/5,00-F-HC GN	109	30272.1	PFB 4551/12/3,50-KD GN	89
30033.1	PKB 1551/13/3,50-F GN	103	30168.1	PKB 950/8/5,00-F-HC GN	109	30273.1	PFB 4551/13/3,50-KD GN	89
30034.1	PKB 1551/14/3,50-F GN	103	30169.1	PKB 950/9/5,00-F-HC GN	109	30274.1	PFB 4551/14/3,50-KD GN	89
30035.1	PKB 1551/15/3,50-F GN	103	3017.0	BK 3,50/2,8 FW 11-20	187	30275.1	PFB 4551/15/3,50-KD GN	89
30036.1	PKB 1551/16/3,50-F GN	103	30170.1	PKB 950/10/5,00-F-HC GN	109	30276.1	PFB 4551/16/3,50-KD GN	89
30037.1	PKB 1551/17/3,50-F GN	103	30171.1	PKB 950/11/5,00-F-HC GN	109	30277.1	PFB 4551/17/3,50-KD GN	89
30038.1	PKB 1551/18/3,50-F GN	103	30172.1	PKB 950/12/5,00-F-HC GN	109	30278.1	PFB 4551/18/3,50-KD GN	89
30039.1	PKB 1551/19/3,50-F GN	103	3018.0	BK 3,50/2,8 FW 21-30	187	30279.1	PFB 4551/19/3,50-KD GN	89
30040.1	PKB 1551/20/3,50-F GN	103	30182.1	PKBZ 950/2/5,08-F-HC GN	113	30280.1	PFB 4551/20/3,50-KD GN	89
30062.1	PKB 1552/2/3,50 GN	104	30183.1	PKBZ 950/3/5,08-F-HC GN	113	30282.1	PFB 4551/2/3,50-FKD GN	89
30063.1	PKB 1552/3/3,50 GN	104	30184.1	PKBZ 950/4/5,08-F-HC GN	113	30283.1	PFB 4551/3/3,50-FKD GN	89
30064.1	PKB 1552/4/3,50 GN	104	30185.1	PKBZ 950/5/5,08-F-HC GN	113	30284.1	PFB 4551/4/3,50-FKD GN	89
30065.1	PKB 1552/5/3,50 GN	104	30186.1	PKBZ 950/6/5,08-F-HC GN	113	30285.1	PFB 4551/5/3,50-FKD GN	89
30066.1	PKB 1552/6/3,50 GN	104	30187.1	PKBZ 950/7/5,08-F-HC GN	113	30286.1	PFB 4551/6/3,50-FKD GN	89
30067.1	PKB 1552/7/3,50 GN	104	30188.1	PKBZ 950/8/5,08-F-HC GN	113	30287.1	PFB 4551/7/3,50-FKD GN	89
30068.1	PKB 1552/8/3,50 GN	104	30189.1	PKBZ 950/9/5,08-F-HC GN	113	30288.1	PFB 4551/8/3,50-FKD GN	89
30069.1	PKB 1552/9/3,50 GN	104	3019.0	BK 3,50/2,8 FW 31-40	187	30289.1	PFB 4551/9/3,50-FKD GN	89
30070.1	PKB 1552/10/3,50 GN	104	30190.1	PKBZ 950/10/5,08-F-HC GN	113	30290.1	PFB 4551/10/3,50-FKD GN	89
30071.1	PKB 1552/11/3,50 GN	104	30191.1	PKBZ 950/11/5,08-F-HC GN	113	30291.1	PFB 4551/11/3,50-FKD GN	89
30072.1	PKB 1552/12/3,50 GN	104	30192.1	PKBZ 950/12/5,08-F-HC GN	113	30292.1	PFB 4551/12/3,50-FKD GN	89
30073.1	PKB 1552/13/3,50 GN	104	30202.1	PKB 955/2/5,00 GN	110	30293.1	PFB 4551/13/3,50-FKD GN	89
30074.1	PKB 1552/14/3,50 GN	104	30203.1	PKB 955/3/5,00 GN	110	30294.1	PFB 4551/14/3,50-FKD GN	89
30075.1	PKB 1552/15/3,50 GN	104	30204.1	PKB 955/4/5,00 GN	110	30295.1	PFB 4551/15/3,50-FKD GN	89
30076.1	PKB 1552/16/3,50 GN	104	30205.1	PKB 955/5/5,00 GN	110	30296.1	PFB 4551/16/3,50-FKD GN	89
30077.1	PKB 1552/17/3,50 GN	104	30206.1	PKB 955/6/5,00 GN	110	30297.1	PFB 4551/17/3,50-FKD GN	89
30078.1	PKB 1552/18/3,50 GN	104	30207.1	PKB 955/7/5,00 GN	110	30298.1	PFB 4551/18/3,50-FKD GN	89
30079.1	PKB 1552/19/3,50 GN	104	30208.1	PKB 955/8/5,00 GN	110	30299.1	PFB 4551/19/3,50-FKD GN	89
30080.1	PKB 1552/20/3,50 GN	104	30209.1	PKB 955/9/5,00 GN	110	30300.1	PFB 4551/20/3,50-FKD GN	89
30082.1	PKB 1552/2/3,50-F GN	104	30210.1	PKB 955/10/5,00 GN	110	30302.1	PFB 4561/2/3,50-KD GN	90
30083.1	PKB 1552/3/3,50-F GN	104	30211.1	PKB 955/11/5,00 GN	110	30303.1	PFB 4561/3/3,50-KD GN	90
30084.1	PKB 1552/4/3,50-F GN	104	30212.1	PKB 955/12/5,00 GN	110	30304.1	PFB 4561/4/3,50-KD GN	90
30085.1	PKB 1552/5/3,50-F GN	104	30213.1	PKB 955/13/5,00 GN	110	30305.1	PFB 4561/5/3,50-KD GN	90
30086.1	PKB 1552/6/3,50-F GN	104	30214.1	PKB 955/14/5,00 GN	110	30306.1	PFB 4561/6/3,50-KD GN	90
30087.1	PKB 1552/7/3,50-F GN	104	30215.1	PKB 955/15/5,00 GN	110	30307.1	PFB 4561/7/3,50-KD GN	90
30088.1	PKB 1552/8/3,50-F GN	104	30216.1	PKB 955/16/5,00 GN	110	30308.1	PFB 4561/8/3,50-KD GN	90
30089.1	PKB 1552/9/3,50-F GN	104	30217.1	PKB 955/17/5,00 GN	110	30309.1	PFB 4561/9/3,50-KD GN	90
30090.1	PKB 1552/10/3,50-F GN	104	30218.1	PKB 955/18/5,00 GN	110	30310.1	PFB 4561/10/3,50-KD GN	90
30091.1	PKB 1552/11/3,50-F GN	104	30219.1	PKB 955/19/5,00 GN	110	30311.1	PFB 4561/11/3,50-KD GN	90
30092.1	PKB 1552/12/3,50-F GN	104	30220.1	PKB 955/20/5,00 GN	110	30312.1	PFB 4561/12/3,50-KD GN	90
30093.1	PKB 1552/13/3,50-F GN	104	30221.1	PKB 955/21/5,00 GN	110	30313.1	PFB 4561/13/3,50-KD GN	90
30094.1	PKB 1552/14/3,50-F GN	104	30222.1	PKB 955/22/5,00 GN	110	30314.1	PFB 4561/14/3,50-KD GN	90
30095.1	PKB 1552/15/3,50-F GN	104	30223.1	PKB 955/23/5,00 GN	110	30315.1	PFB 4561/15/3,50-KD GN	90
30096.1	PKB 1552/16/3,50-F GN	104	30224.1	PKB 955/24/5,00 GN	110	30316.1	PFB 4561/16/3,50-KD GN	90
30097.1	PKB 1552/17/3,50-F GN	104	30232.1	PKBZ 955/2/5,08 GN	114	30317.1	PFB 4561/17/3,50-KD GN	90
30098.1	PKB 1552/18/3,50-F GN	104	30233.1	PKBZ 955/3/5,08 GN	114	30318.1	PFB 4561/18/3,50-KD GN	90
30099.1	PKB 1552/19/3,50-F GN	104	30234.1	PKBZ 955/4/5,08 GN	114	30319.1	PFB 4561/19/3,50-KD GN	90
30100.1	PKB 1552/20/3,50-F GN	104	30235.1	PKBZ 955/5/5,08 GN	114	3032.0	BK 3,81/2,8 FW 0-9	187
30122.1	PKB 950/2/5,00-HC GN	109	30236.1	PKBZ 955/6/5,08 GN	114	30320.1	PFB 4561/20/3,50-KD GN	90
30123.1	PKB 950/3/5,00-HC GN	109	30237.1	PKBZ 955/7/5,08 GN	114	30322.1	PFB 4561/2/3,50-FKD GN	90
30124.1	PKB 950/4/5,00-HC GN	109	30238.1	PKBZ 955/8/5,08 GN	114	30323.1	PFB 4561/3/3,50-FKD GN	90
30125.1	PKB 950/5/5,00-HC GN	109	30239.1	PKBZ 955/9/5,08 GN	114	30324.1	PFB 4561/4/3,50-FKD GN	90
30126.1	PKB 950/6/5,00-HC GN	109	30240.1	PKBZ 955/10/5,08 GN	114	30325.1	PFB 4561/5/3,50-FKD GN	90
30127.1	PKB 950/7/5,00-HC GN	109	30241.1	PKBZ 955/11/5,08 GN	114	30326.1	PFB 4561/6/3,50-FKD GN	90
30128.1	PKB 950/8/5,00-HC GN	109	30242.1	PKBZ 955/12/5,08 GN	114	30327.1	PFB 4561/7/3,50-FKD GN	90
30129.1	PKB 950/9/5,00-HC GN	109	30243.1	PKBZ 955/13/5,08 GN	114	30328.1	PFB 4561/8/3,50-FKD GN	90
30130.1	PKB 950/10/5,00-HC GN	109	30244.1	PKBZ 955/14/5,08 GN	114	30329.1	PFB 4561/9/3,50-FKD GN	90
30131.1	PKB 950/11/5,00-HC GN	109	30245.1	PKBZ 955/15/5,08 GN	114	3033.0	BK 3,81/2,8 FW 1-10	187
30132.1	PKB 950/12/5,00-HC GN	109	30246.1	PKBZ 955/16/5,08 GN	114	30330.1	PFB 4561/10/3,50-FKD GN	90
30142.1	PKBZ 950/2/5,08-HC GN	113	30247.1	PKBZ 955/17/5,08 GN	114	30331.1	PFB 4561/11/3,50-FKD GN	90
30143.1	PKBZ 950/3/5,08-HC GN	113	30248.1	PKBZ 955/18/5,08 GN	114	30332.1	PFB 4561/12/3,50-FKD GN	90
30144.1	PKBZ 950/4/5,08-HC GN	113	30249.1	PKBZ 955/19/5,08 GN	114	30333.1	PFB 4561/13/3,50-FKD GN	90

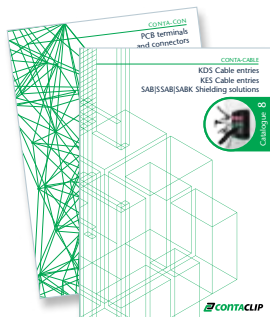
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30335.1	PFB 4561/15/3,50-FKD GN	90	30418.1	PFBZ 4951/8/5,08-KD GN	94	30511.1	STL 950/11/5,00-V-HC GN	144
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3034.0	BK 3,81/2,8 FW 11-20	187	30423.1	PFBZ 4951/13/5,08-KD GN	94	30525.1	STL 950/5/5,00-H-HC GN	144
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30342.1	PFBZ 4561/2/3,81-KD GN	92	30425.1	PFBZ 4951/15/5,08-KD GN	94	30527.1	STL 950/7/5,00-H-HC GN	144
30343.1	PFBZ 4561/3/3,81-KD GN	92	30426.1	PFBZ 4951/16/5,08-KD GN	94	30528.1	STL 950/8/5,00-H-HC GN	144
30344.1	PFBZ 4561/4/3,81-KD GN	92	30427.1	PFBZ 4951/17/5,08-KD GN	94	30529.1	STL 950/9/5,00-H-HC GN	144
30345.1	PFBZ 4561/5/3,81-KD GN	92	30428.1	PFBZ 4951/18/5,08-KD GN	94	30530.1	STL 950/10/5,00-H-HC GN	144
30346.1	PFBZ 4561/6/3,81-KD GN	92	30429.1	PFBZ 4951/19/5,08-KD GN	94	30531.1	STL 950/11/5,00-H-HC GN	144
30347.1	PFBZ 4561/7/3,81-KD GN	92	30430.1	PFBZ 4951/20/5,08-KD GN	94	30532.1	STL 950/12/5,00-H-HC GN	144
30348.1	PFBZ 4561/8/3,81-KD GN	92	30431.1	PFBZ 4951/21/5,08-KD GN	94	30542.1	STL 950/2/5,00-V-G-HC GN	146
30349.1	PFBZ 4561/9/3,81-KD GN	92	30432.1	PFBZ 4951/22/5,08-KD GN	94	30543.1	STL 950/3/5,00-V-G-HC GN	146
3035.0	BK 3,81/2,8 FW 21-30	187	30433.1	PFBZ 4951/23/5,08-KD GN	94	30544.1	STL 950/4/5,00-V-G-HC GN	146
30350.1	PFBZ 4561/10/3,81-KD GN	92	30434.1	PFBZ 4951/24/5,08-KD GN	94	30545.1	STL 950/5/5,00-V-G-HC GN	146
30351.1	PFBZ 4561/11/3,81-KD GN	92	30442.1	PFB 4951/2/5,00-FKD GN	93	30546.1	STL 950/6/5,00-V-G-HC GN	146
30352.1	PFBZ 4561/12/3,81-KD GN	92	30443.1	PFB 4951/3/5,00-FKD GN	93	30547.1	STL 950/7/5,00-V-G-HC GN	146
30353.1	PFBZ 4561/13/3,81-KD GN	92	30444.1	PFB 4951/4/5,00-FKD GN	93	30548.1	STL 950/8/5,00-V-G-HC GN	146
30354.1	PFBZ 4561/14/3,81-KD GN	92	30445.1	PFB 4951/5/5,00-FKD GN	93	30549.1	STL 950/9/5,00-V-G-HC GN	146
30355.1	PFBZ 4561/15/3,81-KD GN	92	30446.1	PFB 4951/6/5,00-FKD GN	93	30550.1	STL 950/10/5,00-V-G-HC GN	146
30356.1	PFBZ 4561/16/3,81-KD GN	92	30447.1	PFB 4951/7/5,00-FKD GN	93	30551.1	STL 950/11/5,00-V-G-HC GN	146
30357.1	PFBZ 4561/17/3,81-KD GN	92	30448.1	PFB 4951/8/5,00-FKD GN	93	30552.1	STL 950/12/5,00-V-G-HC GN	146
30358.1	PFBZ 4561/18/3,81-KD GN	92	30449.1	PFB 4951/9/5,00-FKD GN	93	30562.1	STL 950/2/5,00-H-G-HC GN	146
30359.1	PFBZ 4561/19/3,81-KD GN	92	30450.1	PFB 4951/10/5,00-FKD GN	93	30563.1	STL 950/3/5,00-H-G-HC GN	146
30360.1	PFBZ 4561/20/3,81-KD GN	92	30451.1	PFB 4951/11/5,00-FKD GN	93	30564.1	STL 950/4/5,00-H-G-HC GN	146
30362.1	PFBZ 4561/2/3,81-FKD GN	92	30452.1	PFB 4951/12/5,00-FKD GN	93	30565.1	STL 950/5/5,00-H-G-HC GN	146
30363.1	PFBZ 4561/3/3,81-FKD GN	92	30453.1	PFB 4951/13/5,00-FKD GN	93	30566.1	STL 950/6/5,00-H-G-HC GN	146
30364.1	PFBZ 4561/4/3,81-FKD GN	92	30454.1	PFB 4951/14/5,00-FKD GN	93	30567.1	STL 950/7/5,00-H-G-HC GN	146
30365.1	PFBZ 4561/5/3,81-FKD GN	92	30455.1	PFB 4951/15/5,00-FKD GN	93	30568.1	STL 950/8/5,00-H-G-HC GN	146
30366.1	PFBZ 4561/6/3,81-FKD GN	92	30456.1	PFB 4951/16/5,00-FKD GN	93	30569.1	STL 950/9/5,00-H-G-HC GN	146
30367.1	PFBZ 4561/7/3,81-FKD GN	92	30457.1	PFB 4951/17/5,00-FKD GN	93	30570.1	STL 950/10/5,00-H-G-HC GN	146
30368.1	PFBZ 4561/8/3,81-FKD GN	92	30458.1	PFB 4951/18/5,00-FKD GN	93	30571.1	STL 950/11/5,00-H-G-HC GN	146
30369.1	PFBZ 4561/9/3,81-FKD GN	92	30459.1	PFB 4951/19/5,00-FKD GN	93	30572.1	STL 950/12/5,00-H-G-HC GN	146
3036.0	BK 3,81/2,8 FW 31-40	187	30460.1	PFB 4951/20/5,00-FKD GN	93	30582.1	STL 950/2/5,00-V-F-HC GN	148
30370.1	PFBZ 4561/10/3,81-FKD GN	92	30461.1	PFB 4951/21/5,00-FKD GN	93	30583.1	STL 950/3/5,00-V-F-HC GN	148
30371.1	PFBZ 4561/11/3,81-FKD GN	92	30462.1	PFB 4951/22/5,00-FKD GN	93	30584.1	STL 950/4/5,00-V-F-HC GN	148
30372.1	PFBZ 4561/12/3,81-FKD GN	92	30463.1	PFB 4951/23/5,00-FKD GN	93	30585.1	STL 950/5/5,00-V-F-HC GN	148
30373.1	PFBZ 4561/13/3,81-FKD GN	92	30464.1	PFB 4951/24/5,00-FKD GN	93	30586.1	STL 950/6/5,00-V-F-HC GN	148
30374.1	PFBZ 4561/14/3,81-FKD GN	92	30472.1	PFBZ 4951/2/5,08-FKD GN	94	30587.1	STL 950/7/5,00-V-F-HC GN	148
30375.1	PFBZ 4561/15/3,81-FKD GN	92	30473.1	PFBZ 4951/3/5,08-FKD GN	94	30588.1	STL 950/8/5,00-V-F-HC GN	148
30376.1	PFBZ 4561/16/3,81-FKD GN	92	30474.1	PFBZ 4951/4/5,08-FKD GN	94	30589.1	STL 950/9/5,00-V-F-HC GN	148
30377.1	PFBZ 4561/17/3,81-FKD GN	92	30475.1	PFBZ 4951/5/5,08-FKD GN	94	30590.1	STL 950/10/5,00-V-F-HC GN	148
30378.1	PFBZ 4561/18/3,81-FKD GN	92	30476.1	PFBZ 4951/6/5,08-FKD GN	94	30591.1	STL 950/11/5,00-V-F-HC GN	148
30379.1	PFBZ 4561/19/3,81-FKD GN	92	30477.1	PFBZ 4951/7/5,08-FKD GN	94	30592.1	STL 950/12/5,00-V-F-HC GN	148
30380.1	PFBZ 4561/20/3,81-FKD GN	92	30478.1	PFBZ 4951/8/5,08-FKD GN	94	30602.1	STL 950/2/5,00-H-F-HC GN	148
30382.1	PFB 4951/2/5,00-KD GN	93	30479.1	PFBZ 4951/9/5,08-FKD GN	94	30603.1	STL 950/3/5,00-H-F-HC GN	148
30383.1	PFB 4951/3/5,00-KD GN	93	30480.1	PFBZ 4951/10/5,08-FKD GN	94	30604.1	STL 950/4/5,00-H-F-HC GN	148
30384.1	PFB 4951/4/5,00-KD GN	93	30481.1	PFBZ 4951/11/5,08-FKD GN	94	30605.1	STL 950/5/5,00-H-F-HC GN	148
30385.1	PFB 4951/5/5,00-KD GN	93	30482.1	PFBZ 4951/12/5,08-FKD GN	94	30606.1	STL 950/6/5,00-H-F-HC GN	148
30386.1	PFB 4951/6/5,00-KD GN	93	30483.1	PFBZ 4951/13/5,08-FKD GN	94	30607.1	STL 950/7/5,00-H-F-HC GN	148
30387.1	PFB 4951/7/5,00-KD GN	93	30484.1	PFBZ 4951/14/5,08-FKD GN	94	30608.1	STL 950/8/5,00-H-F-HC GN	148
30388.1	PFB 4951/8/5,00-KD GN	93	30485.1	PFBZ 4951/15/5,08-FKD GN	94	30609.1	STL 950/9/5,00-H-F-HC GN	148
30389.1	PFB 4951/9/5,00-KD GN	93	30486.1	PFBZ 4951/16/5,08-FKD GN	94	30610.1	STL 950/10/5,00-H-F-HC GN	148
30390.1	PFB 4951/10/5,00-KD GN	93	30487.1	PFBZ 4951/17/5,08-FKD GN	94	30611.1	STL 950/11/5,00-H-F-HC GN	148
30391.1	PFB 4951/11/5,00-KD GN	93	30488.1	PFBZ 4951/18/5,08-FKD GN	94	30612.1	STL 950/12/5,00-H-F-HC GN	148
30392.1	PFB 4951/12/5,00-KD GN	93	30489.1	PFBZ 4951/19/5,08-FKD GN	94	30622.1	STLZ 950/2/5,08-V-HC GN	152
30393.1	PFB 4951/13/5,00-KD GN	93	30490.1	PFBZ 4951/20/5,08-FKD GN	94	30623.1	STLZ 950/3/5,08-V-HC GN	152
30394.1	PFB 4951/14/5,00-KD GN	93	30491.1	PFBZ 4951/21/5,08-FKD GN	94	30624.1	STLZ 950/4/5,08-V-HC GN	152
30395.1	PFB 4951/15/5,00-KD GN	93	30492.1	PFBZ 4951/22/5,08-FKD GN	94	30625.1	STLZ 950/5/5,08-V-HC GN	152
30396.1	PFB 4951/16/5,00-KD GN	93	30493.1	PFBZ 4951/23/5,08-FKD GN	94	30626.1	STLZ 950/6/5,08-V-HC GN	152
30397.1	PFB 4951/17/5,00-KD GN	93	30494.1	PFBZ 4951/24/5,08-FKD GN	94	30627.1	STLZ 950/7/5,08-V-HC GN	152
30398.1	PFB 4951/18/5,00-KD GN	93	30499.1	BLS-STL 2 GN	134-157, 165, 166, 185	30628.1	STLZ 950/8/5,08-V-HC GN	152
30399.1	PFB 4951/19/5,00-KD GN	93				30629.1	STLZ 950/9/5,08-V-HC GN	152
30400.1	PFB 4951/20/5,00-KD GN	93				30630.1	STLZ 950/10/5,08-V-HC GN	152
30401.1	PFB 4951/21/5,00-KD GN	93				30631.1	STLZ 950/11/5,08-V-HC GN	152
30402.1	PFB 4951/22/5,00-KD GN	93	30502.1	STL 950/2/5,00-V-HC GN	144	30632.1	STLZ 950/12/5,08-V-HC GN	152
30403.1	PFB 4951/23/5,00-KD GN	93	30503.1	STL 950/3/5,00-V-HC GN	144	30642.1	STLZ 950/2/5,08-H-HC GN	152
30404.1	PFB 4951/24/5,00-KD GN	93	30504.1	STL 950/4/5,00-V-HC GN	144	30643.1	STLZ 950/3/5,08-H-HC GN	152
30412.1	PFBZ 4951/2/5,08-KD GN	94	30505.1	STL 950/5/5,00-V-HC GN	144	30644.1	STLZ 950/4/5,08-H-HC GN	152
30413.1	PFBZ 4951/3/5,08-KD GN	94	30506.1	STL 950/6/5,00-V-HC GN	144	30645.1	STLZ 950/5/5,08-H-HC GN	152
30414.1	PFBZ 4951/4/5,08-KD GN	94	30507.1	STL 950/7/5,00-V-HC GN	144	30646.1	STLZ 950/6/5,08-H-HC GN	152
30415.1	PFBZ 4951/5/5,08-KD GN	94	30508.1	STL 950/8/5,00-V-HC GN	144	30647.1	STLZ 950/7/5,08-H-HC GN	152
30416.1	PFBZ 4951/6/5,08-KD GN	94	30509.1	STL 950/9/5,00-V-HC GN	144	30648.1	STLZ 950/8/5,08-H-HC GN	152

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30650.1	STLZ 950/10/5,08-H-HC GN	152	30779.1	PZK 3001/9/5,00/5,08-WD GN	28	31374.1	PBT 1200/14/5,08-F GN	121
30651.1	STLZ 950/11/5,08-H-HC GN	152	30780.1	PZK 3001/10/5,00/5,08-WD GN	28	31375.1	PBT 1200/15/5,08-F GN	121
30652.1	STLZ 950/12/5,08-H-HC GN	152	30781.1	PZK 3001/11/5,00/5,08-WD GN	28	31376.1	PBT 1200/16/5,08-F GN	121
30662.1	STLZ 950/2/5,08-V-G-HC GN	154	30782.1	PZK 3001/12/5,00/5,08-WD GN	28	31377.1	PBT 1200/17/5,08-F GN	121
30663.1	STLZ 950/3/5,08-V-G-HC GN	154	30783.1	PZK 3001/13/5,00/5,08-WD GN	28	31378.1	PBT 1200/18/5,08-F GN	121
30664.1	STLZ 950/4/5,08-V-G-HC GN	154	30784.1	PZK 3001/14/5,00/5,08-WD GN	28	31379.1	PBT 1200/19/5,08-F GN	121
30665.1	STLZ 950/5/5,08-V-G-HC GN	154	30785.1	PZK 3001/15/5,00/5,08-WD GN	28	31380.1	PBT 1200/20/5,08-F GN	121
30666.1	STLZ 950/6/5,08-V-G-HC GN	154	30786.1	PZK 3001/16/5,00/5,08-WD GN	28	31381.1	PBT 1200/21/5,08-F GN	121
30667.1	STLZ 950/7/5,08-V-G-HC GN	154	30787.1	PZK 3001/17/5,00/5,08-WD GN	28	31382.1	PBT 1200/22/5,08-F GN	121
30668.1	STLZ 950/8/5,08-V-G-HC GN	154	30788.1	PZK 3001/18/5,00/5,08-WD GN	28	31383.1	PBT 1200/23/5,08-F GN	121
30669.1	STLZ 950/9/5,08-V-G-HC GN	154	30789.1	PZK 3001/19/5,00/5,08-WD GN	28	31384.1	PBT 1200/24/5,08-F GN	121
30670.1	STLZ 950/10/5,08-V-G-HC GN	154	30790.1	PZK 3001/20/5,00/5,08-WD GN	28	31392.1	PBT 1200/2/5,0-F GN	120
30671.1	STLZ 950/11/5,08-V-G-HC GN	154	30791.1	PZK 3001/21/5,00/5,08-WD GN	28	31393.1	PBT 1200/3/5,0-F GN	120
30672.1	STLZ 950/12/5,08-V-G-HC GN	154	30792.1	PZK 3001/22/5,00/5,08-WD GN	28	31394.1	PBT 1200/4/5,0-F GN	120
30682.1	STLZ 950/2/5,08-H-G-HC GN	154	30793.1	PZK 3001/23/5,00/5,08-WD GN	28	31395.1	PBT 1200/5/5,0-F GN	120
30683.1	STLZ 950/3/5,08-H-G-HC GN	154	30794.1	PZK 3001/24/5,00/5,08-WD GN	28	31396.1	PBT 1200/6/5,0-F GN	120
30684.1	STLZ 950/4/5,08-H-G-HC GN	154				31397.1	PBT 1200/7/5,0-F GN	120
30685.1	STLZ 950/5/5,08-H-G-HC GN	154	<b>31</b>			31398.1	PBT 1200/8/5,0-F GN	120
30686.1	STLZ 950/6/5,08-H-G-HC GN	154	31302.1	PZK 3021/2/10,00/10,16-WD GN	36	31399.1	PBT 1200/9/5,0-F GN	120
30687.1	STLZ 950/7/5,08-H-G-HC GN	154	31303.1	PZK 3021/3/10,00/10,16-WD GN	36	31400.1	PBT 1200/10/5,0-F GN	120
30688.1	STLZ 950/8/5,08-H-G-HC GN	154	31304.1	PZK 3021/4/10,00/10,16-WD GN	36	31401.1	PBT 1200/11/5,0-F GN	120
30689.1	STLZ 950/9/5,08-H-G-HC GN	154	31305.1	PZK 3021/5/10,00/10,16-WD GN	36	31402.1	PBT 1200/12/5,0-F GN	120
30690.1	STLZ 950/10/5,08-H-G-HC GN	154	31306.1	PZK 3021/6/10,00/10,16-WD GN	36	31403.1	PBT 1200/13/5,0-F GN	120
30691.1	STLZ 950/11/5,08-H-G-HC GN	154	31307.1	PZK 3021/7/10,00/10,16-WD GN	36	31404.1	PBT 1200/14/5,0-F GN	120
30692.1	STLZ 950/12/5,08-H-G-HC GN	154	31308.1	PZK 3021/8/10,00/10,16-WD GN	36	31405.1	PBT 1200/15/5,0-F GN	120
30702.1	STLZ 950/2/5,08-V-F-HC GN	156	31309.1	PZK 3021/9/10,00/10,16-WD GN	36	31406.1	PBT 1200/16/5,0-F GN	120
30703.1	STLZ 950/3/5,08-V-F-HC GN	156	31310.1	PZK 3021/10/10,00/10,16-WD GN	36	31407.1	PBT 1200/17/5,0-F GN	120
30704.1	STLZ 950/4/5,08-V-F-HC GN	156	31311.1	PZK 3021/11/10,00/10,16-WD GN	36	31408.1	PBT 1200/18/5,0-F GN	120
30705.1	STLZ 950/5/5,08-V-F-HC GN	156	31312.1	PZK 3021/12/10,00/10,16-WD GN	36	31409.1	PBT 1200/19/5,0-F GN	120
30706.1	STLZ 950/6/5,08-V-F-HC GN	156	31313.1	PZK 3021/13/10,00/10,16-WD GN	36	31410.1	PBT 1200/20/5,0-F GN	120
30707.1	STLZ 950/7/5,08-V-F-HC GN	156	31314.1	PZK 3021/14/10,00/10,16-WD GN	36	31411.1	PBT 1200/21/5,0-F GN	120
30708.1	STLZ 950/8/5,08-V-F-HC GN	156	31315.1	PZK 3021/15/10,00/10,16-WD GN	36	31412.1	PBT 1200/22/5,0-F GN	120
30709.1	STLZ 950/9/5,08-V-F-HC GN	156	31316.1	PZK 3021/16/10,00/10,16-WD GN	36	31413.1	PBT 1200/23/5,0-F GN	120
30710.1	STLZ 950/10/5,08-V-F-HC GN	156	31317.1	PZK 3021/17/10,00/10,16-WD GN	36	31414.1	PBT 1200/24/5,0-F GN	120
30711.1	STLZ 950/11/5,08-V-F-HC GN	156	31318.1	PZK 3021/18/10,00/10,16-WD GN	36	31422.1	PBT 1200/2/5,0 GN	120
30712.1	STLZ 950/12/5,08-V-F-HC GN	156	31319.1	PZK 3021/19/10,00/10,16-WD GN	36	31423.1	PBT 1200/3/5,0 GN	120
30722.1	STLZ 950/2/5,08-H-F-HC GN	156	31320.1	PZK 3021/20/10,00/10,16-WD GN	36	31424.1	PBT 1200/4/5,0 GN	120
30723.1	STLZ 950/3/5,08-H-F-HC GN	156	31321.1	PZK 3021/21/10,00/10,16-WD GN	36	31425.1	PBT 1200/5/5,0 GN	120
30724.1	STLZ 950/4/5,08-H-F-HC GN	156	31322.1	PZK 3021/22/10,00/10,16-WD GN	36	31426.1	PBT 1200/6/5,0 GN	120
30725.1	STLZ 950/5/5,08-H-F-HC GN	156	31323.1	PZK 3021/23/10,00/10,16-WD GN	36	31427.1	PBT 1200/7/5,0 GN	120
30726.1	STLZ 950/6/5,08-H-F-HC GN	156	31324.1	PZK 3021/24/10,00/10,16-WD GN	36	31428.1	PBT 1200/8/5,0 GN	120
30727.1	STLZ 950/7/5,08-H-F-HC GN	156	31332.1	PZK 3011/2/7,50/7,62-WD GN	34	31429.1	PBT 1200/9/5,0 GN	120
30728.1	STLZ 950/8/5,08-H-F-HC GN	156	31333.1	PZK 3011/3/7,50/7,62-WD GN	34	31430.1	PBT 1200/10/5,0 GN	120
30729.1	STLZ 950/9/5,08-H-F-HC GN	156	31334.1	PZK 3011/4/7,50/7,62-WD GN	34	31431.1	PBT 1200/11/5,0 GN	120
30730.1	STLZ 950/10/5,08-H-F-HC GN	156	31335.1	PZK 3011/5/7,50/7,62-WD GN	34	31432.1	PBT 1200/12/5,0 GN	120
30731.1	STLZ 950/11/5,08-H-F-HC GN	156	31336.1	PZK 3011/6/7,50/7,62-WD GN	34	31433.1	PBT 1200/13/5,0 GN	120
30732.1	STLZ 950/12/5,08-H-F-HC GN	156	31337.1	PZK 3011/7/7,50/7,62-WD GN	34	31434.1	PBT 1200/14/5,0 GN	120
30741.7	PBK 4091/1/KD 4,0-SMD WH	22	31338.1	PZK 3011/8/7,50/7,62-WD GN	34	31435.1	PBT 1200/15/5,0 GN	120
30742.7	PBK 4091/2/KD 4,0-SMD WH	22	31339.1	PZK 3011/9/7,50/7,62-WD GN	34	31436.1	PBT 1200/16/5,0 GN	120
30743.7	PBK 4091/3/KD 4,0-SMD WH	22	31340.1	PZK 3011/10/7,50/7,62-WD GN	34	31437.1	PBT 1200/17/5,0 GN	120
30744.7	PBK 4091/4/KD 4,0-SMD WH	22	31341.1	PZK 3011/11/7,50/7,62-WD GN	34	31438.1	PBT 1200/18/5,0 GN	120
30752.1	PFBZ 4551/2/7,62-KD GN	96	31342.1	PZK 3011/12/7,50/7,62-WD GN	34	31439.1	PBT 1200/19/5,0 GN	120
30753.1	PFBZ 4551/3/7,62-KD GN	96	31343.1	PZK 3011/13/7,50/7,62-WD GN	34	31440.1	PBT 1200/20/5,0 GN	120
30754.1	PFBZ 4551/4/7,62-KD GN	96	31344.1	PZK 3011/14/7,50/7,62-WD GN	34	31441.1	PBT 1200/21/5,0 GN	120
30755.1	PFBZ 4551/5/7,62-KD GN	96	31345.1	PZK 3011/15/7,50/7,62-WD GN	34	31442.1	PBT 1200/22/5,0 GN	120
30756.1	PFBZ 4551/6/7,62-KD GN	96	31346.1	PZK 3011/16/7,50/7,62-WD GN	34	31443.1	PBT 1200/23/5,0 GN	120
30757.1	PFBZ 4551/7/7,62-KD GN	96	31347.1	PZK 3011/17/7,50/7,62-WD GN	34	31444.1	PBT 1200/24/5,0 GN	120
30758.1	PFBZ 4551/8/7,62-KD GN	96	31348.1	PZK 3011/18/7,50/7,62-WD GN	34	31452.1	PKZ 601/2/3,81-V GN	40
30759.1	PFBZ 4551/9/7,62-KD GN	96	31349.1	PZK 3011/19/7,50/7,62-WD GN	34	31453.1	PKZ 601/3/3,81-V GN	40
30760.1	PFBZ 4551/10/7,62-KD GN	96	31350.1	PZK 3011/20/7,50/7,62-WD GN	34	31454.1	PKZ 601/4/3,81-V GN	40
30762.1	PFBZ 4551/2/7,62-FKD GN	96	31351.1	PZK 3011/21/7,50/7,62-WD GN	34	31455.1	PKZ 601/5/3,81-V GN	40
30763.1	PFBZ 4551/3/7,62-FKD GN	96	31352.1	PZK 3011/22/7,50/7,62-WD GN	34	31456.1	PKZ 601/6/3,81-V GN	40
30764.1	PFBZ 4551/4/7,62-FKD GN	96	31353.1	PZK 3011/23/7,50/7,62-WD GN	34	31457.1	PKZ 601/7/3,81-V GN	40
30765.1	PFBZ 4551/5/7,62-FKD GN	96	31354.1	PZK 3011/24/7,50/7,62-WD GN	34	31458.1	PKZ 601/8/3,81-V GN	40
30766.1	PFBZ 4551/6/7,62-FKD GN	96	31362.1	PBT 1200/2/5,08-F GN	121	31459.1	PKZ 601/9/3,81-V GN	40
30767.1	PFBZ 4551/7/7,62-FKD GN	96	31363.1	PBT 1200/3/5,08-F GN	121	31460.1	PKZ 601/10/3,81-V GN	40
30768.1	PFBZ 4551/8/7,62-FKD GN	96	31364.1	PBT 1200/4/5,08-F GN	121	31461.1	PKZ 601/11/3,81-V GN	40
30769.1	PFBZ 4551/9/7,62-FKD GN	96	31365.1	PBT 1200/5/5,08-F GN	121	31462.1	PKZ 601/12/3,81-V GN	40
30770.1	PFBZ 4551/10/7,62-FKD GN	96	31366.1	PBT 1200/6/5,08-F GN	121	31463.1	PKZ 601/13/3,81-V GN	40
30772.1	PZK 3001/2/5,00/5,08-WD GN	28	31367.1	PBT 1200/7/5,08-F GN	121	31464.1	PKZ 601/14/3,81-V GN	40
30773.1	PZK 3001/3/5,00/5,08-WD GN	28	31368.1	PBT 1200/8/5,08-F GN	121	31465.1	PKZ 601/15/3,81-V GN	40
30774.1	PZK 3001/4/5,00/5,08-WD GN	28	31369.1	PBT 1200/9/5,08-F GN	121	31466.1	PKZ 601/16/3,81-V GN	40
30775.1	PZK 3001/5/5,00/5,08-WD GN	28	31370.1	PBT 1200/10/5,08-F GN	121	31467.1	PKZ 601/17/3,81-V GN	40
30776.1	PZK 3001/6/5,00/5,08-WD GN	28	31371.1	PBT 1200/11/5,08-F GN	121	31468.1	PKZ 601/18/3,81-V GN	40
30777.1	PZK 3001/7/5,00/5,08-WD GN	28	31372.1	PBT 1200/12/5,08-F GN	121	31469.1	PKZ 601/19/3,81-V GN	40

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31471.1	PKZ 601/21/3,81-V GN	40	31674.1	STL 1541/14/3,50-V-G GN	136	31754.1	STL 1550/14/3,50-V-FR GN	137
31472.1	PKZ 601/22/3,81-V GN	40	31675.1	STL 1541/15/3,50-V-G GN	136	31755.1	STL 1550/15/3,50-V-FR GN	137
31473.1	PKZ 601/23/3,81-V GN	40	31676.1	STL 1541/16/3,50-V-G GN	136	31756.1	STL 1550/16/3,50-V-FR GN	137
31474.1	PKZ 601/24/3,81-V GN	40	31677.1	STL 1541/17/3,50-V-G GN	136	31757.1	STL 1550/17/3,50-V-FR GN	137
31483.1	PK 700/3/5,0-V-BR GN	44	31678.1	STL 1541/18/3,50-V-G GN	136	31758.1	STL 1550/18/3,50-V-FR GN	137
31492.1	PK 350/2/5,0-V-BR GN	42	31679.1	STL 1541/19/3,50-V-G GN	136	31759.1	STL 1550/19/3,50-V-FR GN	137
31493.1	PK 350/3/5,0-V-BR GN	42	31680.1	STL 1541/20/3,50-V-G GN	136	31760.1	STL 1550/20/3,50-V-FR GN	137
31494.1	PK 350/4/5,0-V-BR GN	42	31682.1	STL 1541/2/3,50-H-G GN	136	31762.1	STL 1550/2/3,50-H-FR GN	137
31502.1	PFBZ 4961/2/7,62-KD GN	95	31683.1	STL 1541/3/3,50-H-G GN	136	31763.1	STL 1550/3/3,50-H-FR GN	137
31503.1	PFBZ 4961/3/7,62-KD GN	95	31684.1	STL 1541/4/3,50-H-G GN	136	31764.1	STL 1550/4/3,50-H-FR GN	137
31504.1	PFBZ 4961/4/7,62-KD GN	95	31685.1	STL 1541/5/3,50-H-G GN	136	31765.1	STL 1550/5/3,50-H-FR GN	137
31505.1	PFBZ 4961/5/7,62-KD GN	95	31686.1	STL 1541/6/3,50-H-G GN	136	31766.1	STL 1550/6/3,50-H-FR GN	137
31506.1	PFBZ 4961/6/7,62-KD GN	95	31687.1	STL 1541/7/3,50-H-G GN	136	31767.1	STL 1550/7/3,50-H-FR GN	137
31507.1	PFBZ 4961/7/7,62-KD GN	95	31688.1	STL 1541/8/3,50-H-G GN	136	31768.1	STL 1550/8/3,50-H-FR GN	137
31508.1	PFBZ 4961/8/7,62-KD GN	95	31689.1	STL 1541/9/3,50-H-G GN	136	31769.1	STL 1550/9/3,50-H-FR GN	137
31509.1	PFBZ 4961/9/7,62-KD GN	95	31690.1	STL 1541/10/3,50-H-G GN	136	31770.1	STL 1550/10/3,50-H-FR GN	137
31510.1	PFBZ 4961/10/7,62-KD GN	95	31691.1	STL 1541/11/3,50-H-G GN	136	31771.1	STL 1550/11/3,50-H-FR GN	137
31511.1	PFBZ 4961/11/7,62-KD GN	95	31692.1	STL 1541/12/3,50-H-G GN	136	31772.1	STL 1550/12/3,50-H-FR GN	137
31512.1	PFBZ 4961/12/7,62-KD GN	95	31693.1	STL 1541/13/3,50-H-G GN	136	31773.1	STL 1550/13/3,50-H-FR GN	137
31602.1	PFBZ 4961/2/7,62-FKD GN	95	31694.1	STL 1541/14/3,50-H-G GN	136	31774.1	STL 1550/14/3,50-H-FR GN	137
31603.1	PFBZ 4961/3/7,62-FKD GN	95	31695.1	STL 1541/15/3,50-H-G GN	136	31775.1	STL 1550/15/3,50-H-FR GN	137
31604.1	PFBZ 4961/4/7,62-FKD GN	95	31696.1	STL 1541/16/3,50-H-G GN	136	31776.1	STL 1550/16/3,50-H-FR GN	137
31605.1	PFBZ 4961/5/7,62-FKD GN	95	31697.1	STL 1541/17/3,50-H-G GN	136	31777.1	STL 1550/17/3,50-H-FR GN	137
31606.1	PFBZ 4961/6/7,62-FKD GN	95	31698.1	STL 1541/18/3,50-H-G GN	136	31778.1	STL 1550/18/3,50-H-FR GN	137
31607.1	PFBZ 4961/7/7,62-FKD GN	95	31699.1	STL 1541/19/3,50-H-G GN	136	31779.1	STL 1550/19/3,50-H-FR GN	137
31608.1	PFBZ 4961/8/7,62-FKD GN	95	31700.1	STL 1541/20/3,50-H-G GN	136	31780.1	STL 1550/20/3,50-H-FR GN	137
31609.1	PFBZ 4961/9/7,62-FKD GN	95	31702.1	STL 1541/2/3,50-V-FR GN	138	31782.1	STLZ 1520/2/5,08-V-G GN	150
31610.1	PFBZ 4961/10/7,62-FKD GN	95	31703.1	STL 1541/3/3,50-V-FR GN	138	31783.1	STLZ 1520/3/5,08-V-G GN	150
31611.1	PFBZ 4961/11/7,62-FKD GN	95	31704.1	STL 1541/4/3,50-V-FR GN	138	31784.1	STLZ 1520/4/5,08-V-G GN	150
31612.1	PFBZ 4961/12/7,62-FKD GN	95	31705.1	STL 1541/5/3,50-V-FR GN	138	31785.1	STLZ 1520/5/5,08-V-G GN	150
31622.1	PK 710/2/15,0-V GN	61	31706.1	STL 1541/6/3,50-V-FR GN	138	31786.1	STLZ 1520/6/5,08-V-G GN	150
31623.1	PK 710/3/15,0-V GN	61	31707.1	STL 1541/7/3,50-V-FR GN	138	31787.1	STLZ 1520/7/5,08-V-G GN	150
31624.1	PK 710/4/15,0-V GN	61	31708.1	STL 1541/8/3,50-V-FR GN	138	31788.1	STLZ 1520/8/5,08-V-G GN	150
31625.1	PK 710/5/15,0-V GN	61	31709.1	STL 1541/9/3,50-V-FR GN	138	31789.1	STLZ 1520/9/5,08-V-G GN	150
31626.1	PK 710/6/15,0-V GN	61	31710.1	STL 1541/10/3,50-V-FR GN	138	31790.1	STLZ 1520/10/5,08-V-G GN	150
31632.1	PFB 4541/2/3,50-KD GN	88	31711.1	STL 1541/11/3,50-V-FR GN	138	31791.1	STLZ 1520/11/5,08-V-G GN	150
31633.1	PFB 4541/3/3,50-KD GN	88	31712.1	STL 1541/12/3,50-V-FR GN	138	31792.1	STLZ 1520/12/5,08-V-G GN	150
31634.1	PFB 4541/4/3,50-KD GN	88	31713.1	STL 1541/13/3,50-V-FR GN	138	31802.1	STLZ 1520/2/5,08-H-G GN	150
31635.1	PFB 4541/5/3,50-KD GN	88	31714.1	STL 1541/14/3,50-V-FR GN	138	31803.1	STLZ 1520/3/5,08-H-G GN	150
31636.1	PFB 4541/6/3,50-KD GN	88	31715.1	STL 1541/15/3,50-V-FR GN	138	31804.1	STLZ 1520/4/5,08-H-G GN	150
31637.1	PFB 4541/7/3,50-KD GN	88	31716.1	STL 1541/16/3,50-V-FR GN	138	31805.1	STLZ 1520/5/5,08-H-G GN	150
31638.1	PFB 4541/8/3,50-KD GN	88	31717.1	STL 1541/17/3,50-V-FR GN	138	31806.1	STLZ 1520/6/5,08-H-G GN	150
31639.1	PFB 4541/9/3,50-KD GN	88	31718.1	STL 1541/18/3,50-V-FR GN	138	31807.1	STLZ 1520/7/5,08-H-G GN	150
31640.1	PFB 4541/10/3,50-KD GN	88	31719.1	STL 1541/19/3,50-V-FR GN	138	31808.1	STLZ 1520/8/5,08-H-G GN	150
31641.1	PFB 4541/11/3,50-KD GN	88	31720.1	STL 1541/20/3,50-V-FR GN	138	31809.1	STLZ 1520/9/5,08-H-G GN	150
31642.1	PFB 4541/12/3,50-KD GN	88	31722.1	STL 1541/2/3,50-H-FR GN	138	31810.1	STLZ 1520/10/5,08-H-G GN	150
31643.1	PFB 4541/13/3,50-KD GN	88	31723.1	STL 1541/3/3,50-H-FR GN	138	31811.1	STLZ 1520/11/5,08-H-G GN	150
31644.1	PFB 4541/14/3,50-KD GN	88	31724.1	STL 1541/4/3,50-H-FR GN	138	31812.1	STLZ 1520/12/5,08-H-G GN	150
31645.1	PFB 4541/15/3,50-KD GN	88	31725.1	STL 1541/5/3,50-H-FR GN	138	31822.1	STLZ 1550/2/7,62-V-G GN	165
31646.1	PFB 4541/16/3,50-KD GN	88	31726.1	STL 1541/6/3,50-H-FR GN	138	31823.1	STLZ 1550/3/7,62-V-G GN	165
31647.1	PFB 4541/17/3,50-KD GN	88	31727.1	STL 1541/7/3,50-H-FR GN	138	31824.1	STLZ 1550/4/7,62-V-G GN	165
31648.1	PFB 4541/18/3,50-KD GN	88	31728.1	STL 1541/8/3,50-H-FR GN	138	31825.1	STLZ 1550/5/7,62-V-G GN	165
31649.1	PFB 4541/19/3,50-KD GN	88	31729.1	STL 1541/9/3,50-H-FR GN	138	31826.1	STLZ 1550/6/7,62-V-G GN	165
31650.1	PFB 4541/20/3,50-KD GN	88	31730.1	STL 1541/10/3,50-H-FR GN	138	31827.1	STLZ 1550/7/7,62-V-G GN	165
31652.1	PFB 4541/2/3,50-FRKD GN	88	31731.1	STL 1541/11/3,50-H-FR GN	138	31828.1	STLZ 1550/8/7,62-V-G GN	165
31653.1	PFB 4541/3/3,50-FRKD GN	88	31732.1	STL 1541/12/3,50-H-FR GN	138	31829.1	STLZ 1550/9/7,62-V-G GN	165
31654.1	PFB 4541/4/3,50-FRKD GN	88	31733.1	STL 1541/13/3,50-H-FR GN	138	31830.1	STLZ 1550/10/7,62-V-G GN	165
31655.1	PFB 4541/5/3,50-FRKD GN	88	31734.1	STL 1541/14/3,50-H-FR GN	138	31832.1	STLZ 1550/2/7,62-H-G GN	165
31656.1	PFB 4541/6/3,50-FRKD GN	88	31735.1	STL 1541/15/3,50-H-FR GN	138	31833.1	STLZ 1550/3/7,62-H-G GN	165
31657.1	PFB 4541/7/3,50-FRKD GN	88	31736.1	STL 1541/16/3,50-H-FR GN	138	31834.1	STLZ 1550/4/7,62-H-G GN	165
31658.1	PFB 4541/8/3,50-FRKD GN	88	31737.1	STL 1541/17/3,50-H-FR GN	138	31835.1	STLZ 1550/5/7,62-H-G GN	165
31659.1	PFB 4541/9/3,50-FRKD GN	88	31738.1	STL 1541/18/3,50-H-FR GN	138	31836.1	STLZ 1550/6/7,62-H-G GN	165
31660.1	PFB 4541/10/3,50-FRKD GN	88	31739.1	STL 1541/19/3,50-H-FR GN	138	31837.1	STLZ 1550/7/7,62-H-G GN	165
31661.1	PFB 4541/11/3,50-FRKD GN	88	31740.1	STL 1541/20/3,50-H-FR GN	138	31838.1	STLZ 1550/8/7,62-H-G GN	165
31662.1	PFB 4541/12/3,50-FRKD GN	88	31742.1	STL 1550/2/3,50-V-FR GN	137	31839.1	STLZ 1550/9/7,62-H-G GN	165
31663.1	PFB 4541/13/3,50-FRKD GN	88	31743.1	STL 1550/3/3,50-V-FR GN	137	31840.1	STLZ 1550/10/7,62-H-G GN	165
31664.1	PFB 4541/14/3,50-FRKD GN	88	31744.1	STL 1550/4/3,50-V-FR GN	137	31842.1	STLZ 1550/2/7,62-V-F GN	166
31665.1	PFB 4541/15/3,50-FRKD GN	88	31745.1	STL 1550/5/3,50-V-FR GN	137	31843.1	STLZ 1550/3/7,62-V-F GN	166
31666.1	PFB 4541/16/3,50-FRKD GN	88	31746.1	STL 1550/6/3,50-V-FR GN	137	31844.1	STLZ 1550/4/7,62-V-F GN	166
31667.1	PFB 4541/17/3,50-FRKD GN	88	31747.1	STL 1550/7/3,50-V-FR GN	137	31845.1	STLZ 1550/5/7,62-V-F GN	166
31668.1	PFB 4541/18/3,50-FRKD GN	88	31748.1	STL 1550/8/3,50-V-FR GN	137	31846.1	STLZ 1550/6/7,62-V-F GN	166
31669.1	PFB 4541/19/3,50-FRKD GN	88	31749.1	STL 1550/9/3,50-V-FR GN	137	31847.1	STLZ 1550/7/7,62-V-F GN	166
31670.1	PFB 4541/20/3,50-FRKD GN	88	31750.1	STL 1550/10/3,50-V-FR GN	137	31848.1	STLZ 1550/8/7,62-V-F GN	166
31671.1	STL 1541/11/3,50-V-G GN	136	31751.1	STL 1550/11/3,50-V-FR GN	137	31849.1	STLZ 1550/9/7,62-V-F GN	166
31672.1	STL 1541/12/3,50-V-G GN	136	31752.1	STL 1550/12/3,50-V-FR GN	137	31850.1	STLZ 1550/10/7,62-V-F GN	166

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