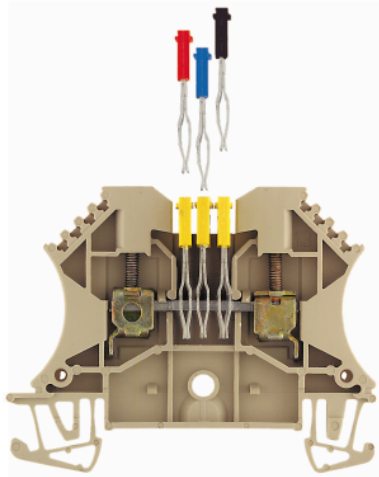
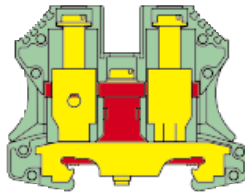


## Terminals

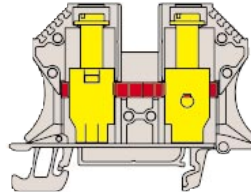
### W-Series



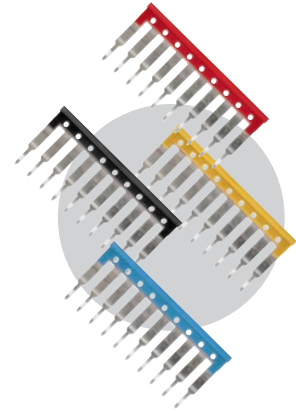
Pluggable cross-connections for  
**WDU 2.5** Page 2/4



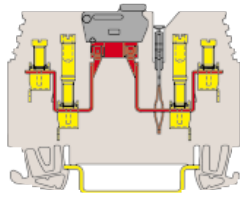
Installation terminal blocks  
**WPE 35 N** Page 2/14



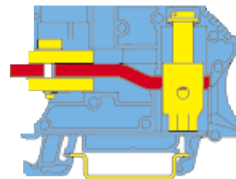
Installation terminal blocks  
**WDU 35 N** Page 2/9



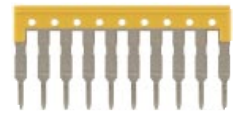
different colour versions  
**ZQV Cross-connections** Page 2/5



Disconnect test terminal blocks  
**WTR 2.5/ZZ** Page 2/23



Installation terminal blocks  
**WNT 35 N** Page 2/17

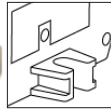


**Cross-connections** Page 2/4

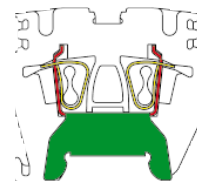
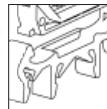
### Z- Series Miniblocks in tension clamp technology



**ZDUB 2.5-2 Direct mounting** Page 2/57



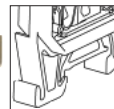
**ZDUB 2.5-2 TS15/TS35** Page 2/57



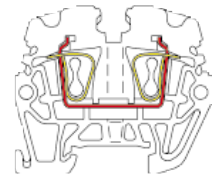
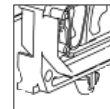
**ZPEB 2.5-2/2AN TS15** Page 2/59



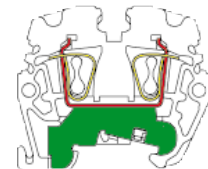
**ZDUB 2.5-2 TS15** Page 2/57



**ZDUB 2.5-2 Rastclip** Page 2/57

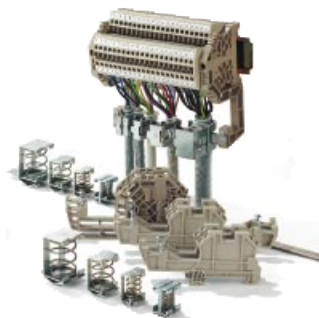


**ZDUA 2.5-2 TS15** Page 2/59



**ZPEA 2.5-2 TS15** Page 2/59

### KLBU Series

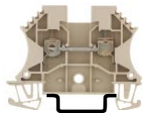


for different installation versions  
**Shield connection terminals** Page 3/18

# Terminals

**W Series** - Innovative terminals made of inflammable polyamide

## Feed-through terminal blocks in Wemid for TS 35



**WDU 2.5**

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**WDU 2.5/10**

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**WDU 2.5N**  
**WDU2.5N/10/BEZ**

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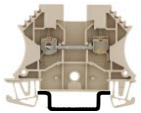
**WDU 1.5/ZZ**

Page 2/6



**WDU 2.5/1.5/ZR**

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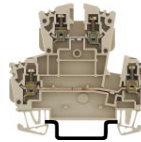
**WDU 2.5**  
**WDU 2.5/10/BEZ**

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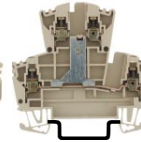
**WDK 2.5**  
**WDK 2.5/10/BEZ**

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**WDK 2.5**  
800 V

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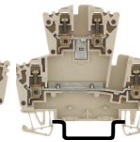
**WDK 2.5 V**

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**WDK 2.5 DU-PE**

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**WDK 2.5 E**  
**WDK 2.5 E GET.SCH.**

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**WDU 4**  
**WDU 4/10/BEZ**

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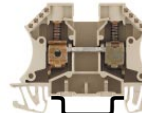
**WMA 4/5**  
**WMA 4/4**

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**WDU 6**  
**WDU 6/10/BEZ**

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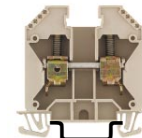
**WDU 10**

Page 2/8



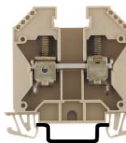
**WDU 16N**

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**WDU 16**

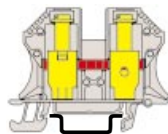
Page 2/9



**WDU 16/ZA**

with lug

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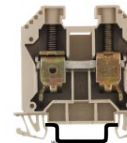
**WDU 35N**

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**WDU 35**

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**WDU 35/ZA**

with lug

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**WDU 70N**

Page 2/9



**WDU 70/95**

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**WDU 70/95/...**

Block of three

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**WDU 120/150**

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**WDU 120/150/...**

Block of three

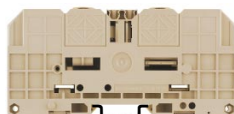
Page 2/11

## Tab connection terminals in Wemid for TS 35



**WFF 35**  
M 6

Page 2/12



**WFF 70**  
M 8

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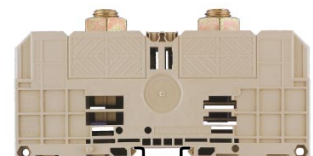
**WFF 120**  
M10

Page 2/13



**WFF 185 M 12 / WFF 185 M 16**  
M 12 / M 16



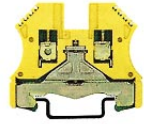








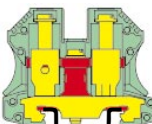



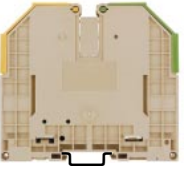
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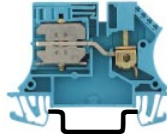
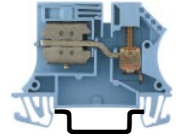

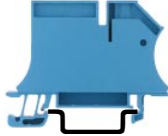
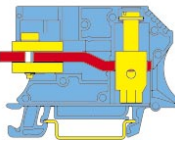

**WFF 300**  
M 16

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Protective conductor terminal blocks in Wemid for TS 35

							
<b>WPE 2.5N</b>	<b>WPE 1.5/ZZ</b>	<b>WPE 2.5</b>	<b>WPE 2.5/1.5/ZR</b>	<b>WDK 2.5 PE</b>	<b>WDK 2.5 DU-PE</b>	<b>WPE 4</b>	<b>WPE 6</b>
Page 2/14	Page 2/14	Page 2/14	Page 2/14	Page 2/15	Page 2/15	Page 2/15	Page 2/15
							
<b>WPE 10</b>	<b>WPE 16N</b>	<b>WPE 16</b>	<b>WPE 35N</b>	<b>WPE 35</b>	<b>WPE 70N</b>	<b>WPE 70/95</b>	<b>WPE 120</b>
Page 2/14	Page 2/14	Page 2/14	Page 2/14	Page 2/15	Page 2/15	Page 2/15	Page 2/15






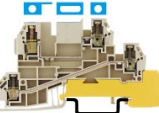

Isolating neutral terminal blocks in Wemid for TS 35

						
<b>WNT 2.5</b>	<b>WNT 4</b>	<b>WNT 6</b>	<b>WNT 10</b>	<b>WNT 16N</b>	<b>WNT 35 N</b>	<b>WNT 70N</b>
Page 2/16	Page 2/16	Page 2/16	Page 2/16	Page 2/17	Page 2/17	Page 2/17

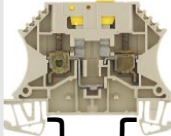
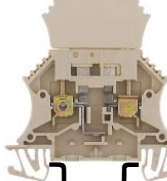
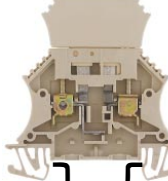
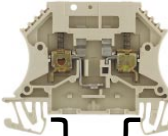
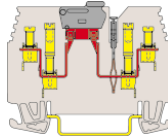


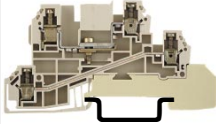


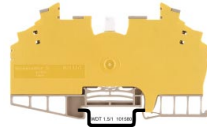
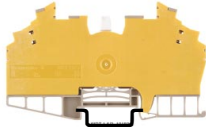
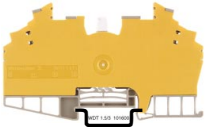
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

							
<b>WDL 2.5 S/NT/L/PE</b>	<b>WDL 2.5 S/L/L</b>	<b>WDL 2.5 S-Blocks</b>	<b>WDL 2.5 S/N</b>	<b>WDL 2.5 S/L</b>	<b>WDL 2.5 S/N/L</b>	<b>WDL 2.5 S/N/L/PE</b>	<b>WDL 2.5 S/L/L/PE</b>
Page 2/18	Page 2/18	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19



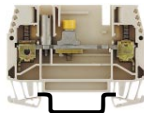


Three-way terminal blocks in Wemid for TS 35 with WQV 4 N-cross-connection system

						
<b>WDL 2.5/NT/L/PE</b>	<b>WDL 2.5/L/L</b>	<b>WDL 2.5/N</b>	<b>WDL 2.5/L</b>	<b>WDL 2.5/N/L</b>	<b>WDL 2.5/N/L/PE</b>	<b>WDL 2.5/L/L/PE</b>
Page 2/20	Page 2/20	Page 2/21	Page 2/21	Page 2/21	Page 2/21	Page 2/21

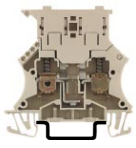
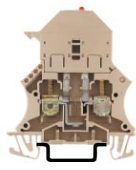
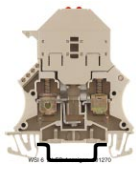
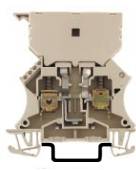
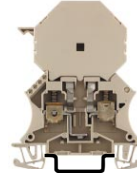
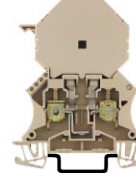
### Disconnect test terminal blocks in Wemid

						
<b>WTR 2.5</b> Take-out disconnect	<b>WTR 2.5 D</b> with diode plug	<b>WTR 2.5 D</b> with diode plug and socket type StB 2.3	<b>WTR 2.5</b> without breaker	<b>WTR 2.5/ZZ</b>	<b>WDTR 2.5</b>	<b>WDTR 2.5/WE</b>
Page 2/22	Page 2/22	Page 2/22	Page 2/22	Page 2/23	Page 2/23	Page 2/23
						
<b>WDL 2.5TR-DU-PE</b>	<b>WDL 2.5TR-DU</b>	<b>SAK 4/35</b>	<b>WDT 1.5/1</b> current measuring	<b>WDT 1.5/2</b> insulation measuring	<b>WDT 1.5/3</b> insulation measuring	
Page 2/23	Page 2/23	Page 2/23	Page 2/24	Page 2/24	Page 2/24	




### Disconnect test terminal in wemid for TS 35 and TS 32

				
<b>WTL 6/1/STB</b> Longitud. disconnect	<b>WTD 6/1</b> Feed-through	<b>WTQ 6/1</b> Cross disconnect	<b>WTL 6/2</b> Longitud. disconnect	<b>WTL 6/3/STB</b> Safety socket
Page 2/30	Page 2/30	Page 2/31	Page 2/31	Page 2/31


### Fuse terminals in Wemid for TS 35

					
<b>WSI 6</b> for metric fuses	<b>WSI 6 LD</b> with LEDs for VAC/VDC	<b>WSI 6/2 LD</b> with 2 LEDs for VDC	<b>WSI 6/2</b> for inch fuses	<b>WSI 6/2 / LED</b> for inch fuses VAC/VDC	<b>WSI 6/2 / 2 LED's</b> for inch fuses VDC
Page 2/32	Page 2/32	Page 2/32	Page 2/32	Page 2/33	Page 2/33

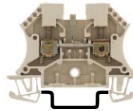
### Fuse terminals in Wemid for TS 35

		
<b>SAKS 4/35</b> für D 01-fuses E 14	<b>SAKS 2/35</b> für D-fuses E 16	<b>SAKS 5/35</b> für D 02-fuses E 18
Page 2/33	Page 2/33	Page 2/33

### Thermocouple terminals

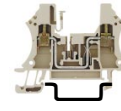

<b>WDT 2.5/TC</b> Types K,T,J,S+R,B,E
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**Terminals with plug-in connection WSA**



**WDU 4 SA**  
400 V  
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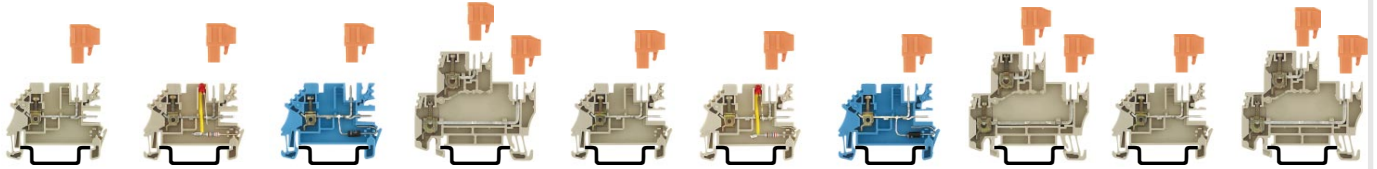
**Terminal housing to take electronic components**



**WPO**

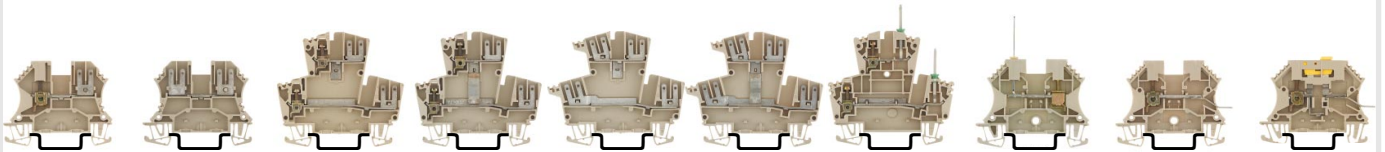
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**Feed-through terminal blocks in Wemid for BLA/BLZ plug-in connectors**



<b>WDU 1.5/BLA</b>	<b>WDU 1.5/LD/BLA</b>	<b>WDU 1.5 R/BLA</b>	<b>WDK 2.5 BLA R 5.08</b>	<b>WDU 1.5 BLZ 5.08</b>	<b>WDU 1.5/BLZ/LD/5.08</b>	<b>WDU 1.5/BLZ/R 5.08</b>	<b>WDK 2.5/BLZ/R 5.08</b>	<b>WDU 2.5/BLZ/R 7.62</b>	<b>WDK 2.5/BLZ/R 7.62</b>
	with LED red	blue	250 V		with LED red	blue	250 V	400 V	400 V
Page 2/36	Page 2/36	Page 2/36	Page 2/36	Page 2/37	Page 2/37	Page 2/37	Page 2/37	Page 2/37	Page 2/37

**Feed-through terminals with solder, tab, Termipoint® and Wire-wrap® connection in Wemid for TS 35**



<b>WDU 2.5 F</b>	<b>WDU 2.5 FF</b>	<b>WDK 2.5 F</b>	<b>WDK 2.5 FV</b>	<b>WDK 2.5 FF</b>	<b>WDK 2.5 FFV</b>	<b>WDK 2.5 T</b>	<b>WDU 2.5 T</b>	<b>WDU 2.5 L</b>	<b>WTR 2.5 L</b>
						<b>WDK 2.5 TT</b>		<b>WDU 2.5 LL</b>	<b>WTR 2.5 LL</b>
Page 2/38	Page 2/38	Page 2/38	Page 2/38	Page 2/39	Page 2/39	Page 2/39	Page 2/39	Page 2/39	Page 2/39

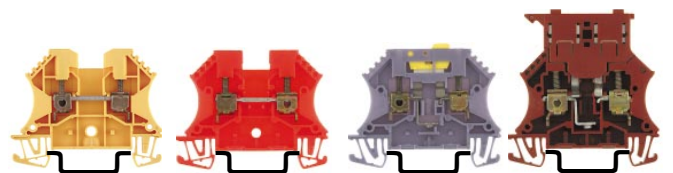
**Feed-through terminals with tab-connection**



**AST 1**      **AST 4**      **AST 5**      **SAK 4 S/35**  
**SAK 4 SS/35**

Page 2/40      Page 2/40      Page 2/40      Page 2/40

**Terminal blocks coloured**







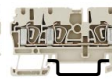
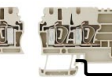


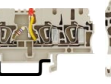




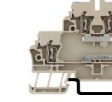




**WDU 2.5**      **WDU 4**      **WTR 2.5**      **WSI 6**

Page 2/41      Page 2/41      Page 2/41      Page 2/41






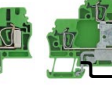




# Terminals

## Z Series - Innovative terminals with tension clamp connection

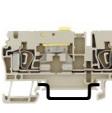

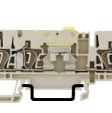

### Feed-through terminals in Wemid for TS 35

									
<b>ZDU 2.5-2/3AN</b>	<b>ZDU 2.5-2/4AN</b>	<b>ZDU 2.5</b>	<b>ZDU 2.5/3AN</b>	<b>ZDU 2.5/4AN</b>	<b>ZDU 2.5/2 x 2 AN</b>	<b>ZDU 2.5</b>	<b>ZDU 2.5</b>	<b>ZDU 4</b>	<b>ZDU 6</b>
		<b>ZDU 2.5/10</b>	<b>ZDU 2.5/3AN/10</b>	<b>ZDU 2.5/4AN/10</b>	<b>ZDU 2.5/2 x 2 AN/10</b>	<b>2 x 2 AN/D</b>	<b>2x2 AN/LD</b>	<b>ZDU 4/10</b>	<b>ZDU 6/10</b>
Page 2/44	Page 2/44	Page 2/44	Page 2/44	Page 2/45	Page 2/45	Page 2/45	Page 2/45	Page 2/45	Page 2/45
									
<b>ZDK 2.5/1.5</b>	<b>ZDK 2.5/1.5 V</b>	<b>ZDK 2.5/1.5 N-DU</b>	<b>ZDK 2.5/1.5 DU-PE</b>	<b>ZDK 2.5/1.5 N-PE</b>	<b>ZDK 2.5/1.5/LD/1</b>	<b>ZDK 2.5/1.5/LD/2</b>	<b>ZDK 2.5/1.5/D/1...6</b>		
Page 2/46	Page 2/46	Page 2/46	Page 2/46	Page 2/46	Page 2/47	Page 2/47	Page 2/47	Page 2/47	



### Protective earth terminals in Wemid for TS 35

									
<b>ZPE 2.5-2/3AN</b>	<b>ZPE 2.5-2/4AN</b>	<b>ZPE 2.5</b>	<b>ZPE 2.5/3AN</b>	<b>ZPE 2.5/4AN</b>	<b>ZDK 2.5/1.5 PE</b>	<b>ZDK 2.5/1.5 DU-PE</b>	<b>ZDK 2.5/1.5 N-PE</b>	<b>ZPE 4</b>	<b>ZPE 6</b>
Page 2/48	Page 2/48	Page 2/48	Page 2/48	Page 2/49	Page 2/49	Page 2/49	Page 2/49	Page 2/49	Page 2/49

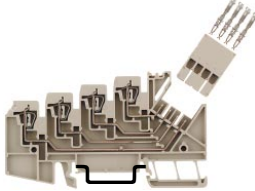

### Disconnect test terminals in Wemid for TS 35

			
<b>ZTR 2.5</b>	<b>ZTR 2.5/3 AN</b>	<b>ZTR 2.5/D</b>	<b>ZTR 2.5/3 AN/D</b>
Page 2/50	Page 2/50	Page 2/50	Page 2/50

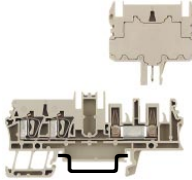
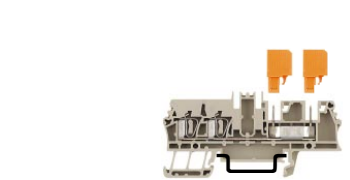
### Fuse terminals in Wemid for TS 35

	
<b>ZSI 2.5</b>	<b>ZSI 2.5/2</b>
for metric fuses	for inch fuses
Page 2/51	Page 2/51

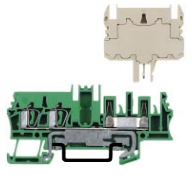
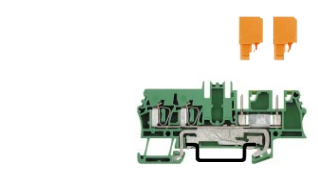
### Terminals with plug-in connector

	
<b>ZRV 1.5 mit STGH ZRV 1.5</b>	<b>ZRV 1.5PE mit STGH ZRV 1.5/PE</b>
Page 2/53	Page 2/53

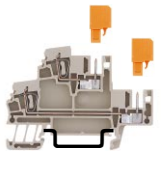

### Feed-through terminal with connector socket

	
<b>ZKBD 2.5/1.5</b>	<b>ZKSD 2.5/1.5</b>
with ZSLD or SLZF	with ZBLD or BLZF
Page 2/54	Page 2/54








### Protective earth terminal with connector socket

	
<b>ZKBD 2.5/1.5 PE</b>	<b>ZKSD 2.5/1.5 PE</b>
with ZSLD or SLZF	with ZBLD or BLZF
Page 2/55	Page 2/55

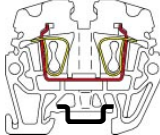
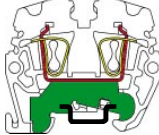
### Feed-through terminal with connector socket

	
<b>ZDKS</b>	<b>ZDKB</b>
with BLZF	with SLZF
Page 2/56	Page 2/56




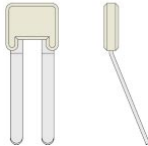


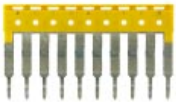
### Miniblock terminals

						
<b>ZDUB 2.5-2/2AN</b> Direct mounting Page 2/58	<b>ZDUB 2.5-2/4AN</b> Direct mounting Page 2/58	<b>ZDUB 2.5-2/2AN</b> Snap-in clips Page 2/58	<b>ZDUB 2.5-2/4AN</b> Snap-in clips Page 2/58	<b>ZDUB 2.5-2/2AN</b> TS 15 Page 2/59	<b>ZDUB 2.5-2/4AN</b> TS 15 Page 2/59	<b>ZPEB 2.5-2/2AN</b> TS 15 Page 2/59

### New miniature terminals in tension clamp technology with modular terminal block features

	
<b>ZDUA 2.5-2</b> TS 15 / available Sep. 97 Page 2/59	<b>ZPEA 2.5-2</b> TS 15 / available Sep. 97 Page 2/59

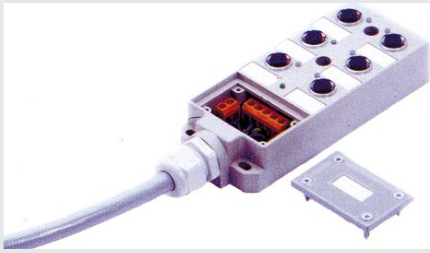
### Accessories for the Z Series

						
<b>ZZA 2.5</b> Additional connection Page 2/60	<b>ZBW</b> Spring displacer Page 2/60	<b>ZST</b> Mounting block Page 2/60	<b>ZQB 2.5</b> Cross-connection bridge Page 2/60	<b>SFEH</b> Wrap pins Page 2/61	<b>ZDUS</b> Shielded cable terminal Page 2/61	<b>ZQV 2.5/50</b> Cross-connection Page 2/61

### Modular terminals: ZIK-ZAK - with integrated cross-connection for connecting initiators and actuators

			
<b>ZIA 1,5/3 L</b> <b>ZIA 1,5/4 L</b> Terminal base 3-way / 4-way Page 2/64	<b>ZIA 1,5/3 L-BE</b> <b>ZIA 1,5/4 L-BE</b> Terminal base 3-way / 4-way Page 2/65	<b>ZVL 1.5</b> Distribution strip Page 2/67	<b>ZPV 1.5</b> Page 2/67

### SAI distributor family



**SAI- (4...6...8) K / SAI- (4...6...8) S**  
Pluggable screw connection for bus line  
Page 2/68



**Miniature circular connectors**  
SAIS-5/7  
Page 2/69

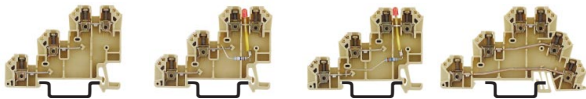


**Miniature circular connectors**  
SAISW-5/7  
Page 2/69

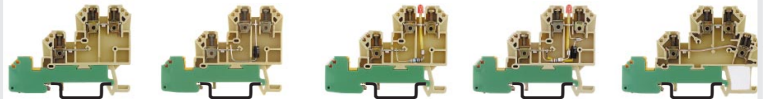
### DL-, VL series

Innovative terminals with several connection levels

#### Feed-through terminals for initiators and actuators



<b>DLI 2.5</b>	<b>DLI 2.5/LD</b> with LED (NPN)	<b>DLI 2.5/LD</b> with LED (PNP)	<b>DLD 2.5</b>
Page 2/70	Page 2/70	Page 2/70	Page 2/70



<b>DLA 2.5</b>	<b>DLA 2.5/D</b> with Diode	<b>DLA 2.5/LD</b> with LED	<b>DLA 2.5/LD/D</b> with LED+Diode	<b>DLD 2.5/PE</b>
Page 2/71	Page 2/71	Page 2/71	Page 2/71	Page 2/71

#### Feed-through terminals for initiators and actuators



<b>KDKS 1/PE</b>	<b>VLI 1.5</b>	<b>VLI 1.5/PE</b>
Page 2/71	Page 2/72	Page 2/72

#### Feed-through terminals for motors

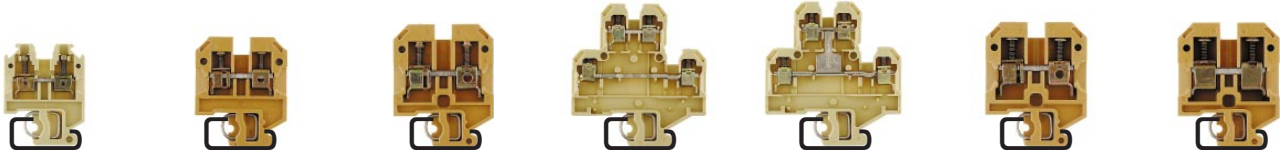


<b>MAK 2.5</b>
Page 2/72

### SAK series

Standard feed-through terminals for TS 32

#### Feed-through terminals in PA 66 for TS 32



<b>SAKD 2.5 N</b> 5 mm width	<b>SAK 2.5</b> 6 mm width	<b>SAKD 4</b>	<b>DK 4 Q</b>	<b>DK 4 QV</b>	<b>SAK 6 N</b>	<b>SAK 10</b>
Page 2/74	Page 2/74	Page 2/74	Page 2/74	Page 2/75	Page 2/75	Page 2/75



<b>SAK 16</b>	<b>SAK 35 N</b>	<b>SAK 35</b>	<b>SAK 70</b>	<b>SAK 95</b>
Page 2/75	Page 2/76	Page 2/76	Page 2/76	Page 2/76



### Feed-through terminals for thermocouples



**SAK 2.5 TC**

Page 2/78



**DK 4 TC**

Page 2/78

### Stud terminals in KrG for TS 32



**SAKG 28 I**

M 6

Page 2/79



**SAKG 28 II**

M 6

Page 2/79



**SAKG 28 II G**

M 6

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**SAKG 28 III**

M 6

Page 2/80



**SAKG 32 I**

M 8

Page 2/80



**SAKG 32 II**

M 8

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**SAKG 32 II G**

M 8

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**SAKG 32 III**

M 8

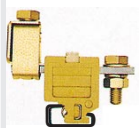
Page 2/81



**SAKG 70 II G**

M 8

Page 2/81



**SAKG 40 I**

M 10

Page 2/81



**SAKG 40 II**

M 10

Page 2/81



**SAKG 40 II G**

M 10

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**SAKG 40 III**

M 10

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**SAKG 46 II**

M 12

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**SAKG 46 II G**

M 12

Page 2/82



**SAKG 54 II**

M 16

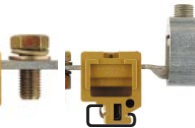
Page 2/82



**SAKG 54 II G**

M 16

Page 2/83



**SAKG 46/I AL**

M 12/M14

Page 2/83

### Stud terminals in KrG for TS 32



**SS 6**

M 6

Page 2/84



**SS 8 / SS 10**

M 8 / M 10

Page 2/84



**SS 12**

M 12

Page 2/84



**KST 5**

M 5

Page 2/85



**KST 6**

M 6

Page 2/85



**KST 8**

M 8

Page 2/85



**KST 10**

M 10

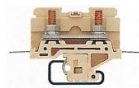
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**KST 12**

M 12

Page 2/85



**ST 5 / STSL 5**

with / without solder connection

Page 2/85

### PE terminals in PA 66 for TS 32



**EK 2.5 N**

Page 2/86



**EK 4**

Page 2/86



**EK 10**

Page 2/86



**EK 16**

Page 2/86



**EK 35**

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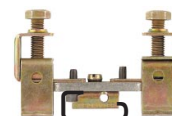
**EK 2**  
10 mm<sup>2</sup>

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**SAKE 35**

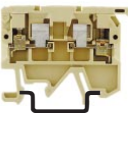

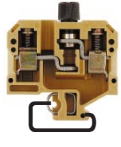
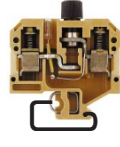
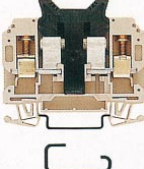
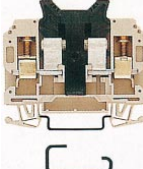
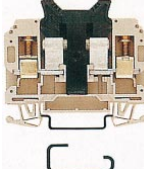





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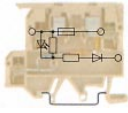
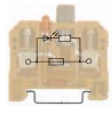
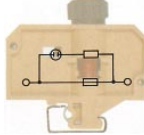
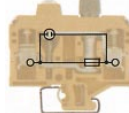
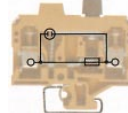
**SAKE 70**

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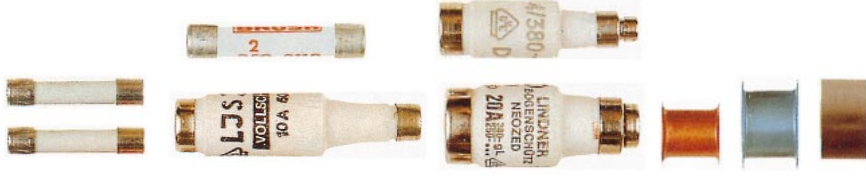
### Fuse terminals for TS 32

						
<b>ASK 1</b> 5 x 20 Page 2/88	<b>KDKS 1</b> 5 x 20 + Durchg.-Ebene Page 2/88	<b>SAKS 1 / SAKS 1/35</b> 5 x 20 Page 2/88	<b>SAKS 1/G 25</b> Neon lamp 5 x 25 Page 2/88	<b>KSKM 1</b> 5 x 20 SBL Page 2/89	<b>KSKM 2</b> 1 x 1/4" SBL Page 2/89	<b>KSKM 3</b> 1 1/4 x 1 1/4" SBL Page 2/89
						
<b>SAKS 3</b> 1 1/4x1/4", 5X30 Page 2/90	<b>SAKS 4 • SAKS 4/35</b> Neozed D 01 Page 2/90	<b>SAKS 5 • SAKS 5/35</b> Neozed D 02 Page 2/90	<b>SAKS 2</b> Diazed E 16 Page 2/91	<b>SAKS 4 USA, Frankr.</b> 10,3x38,1 Page 2/91		



### Fuse terminals with indicator

					
<b>ASK 1 LD</b> Page 2/91	<b>KDKS 1</b> Page 2/91	<b>SAKS 1</b> Page 2/92	<b>SAKS 4</b> Page 2/92	<b>SAKS 6</b> Page 2/92	<b>SAKS 7</b> Page 2/92




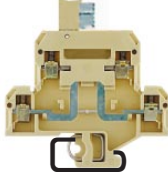

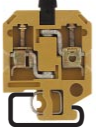
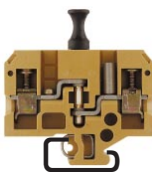
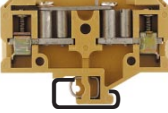

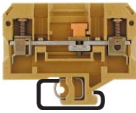
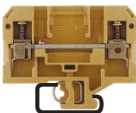

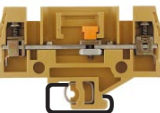


### Fuse cartridges and gauge rings for Weidmüller fuse terminals


<b>Fuse cartridges</b>
Page 2/93
<b>gauge rings</b>
Page 2/93

### Pressure connectors for TS 32

	
<b>SV 2</b>	<b>SV 3</b>
Page 2/94	Page 2/94

### Disconnect terminals for TS 32

							
<b>SAKR</b> 4 mm <sup>2</sup> Page 2/95	<b>SAKR-D</b> with diode plug DLS 2 Page 2/95	<b>DKT 4</b> Page 2/95	<b>DKT 4 V</b> Page 2/95	<b>ASK 1</b> Page 2/95	<b>SAKC 4 / SAKC 4/35</b> 4 mm <sup>2</sup> Page 2/96	<b>SAKC 10 / SAKC 10/35</b> 10 mm <sup>2</sup> Page 2/96	
							
<b>SAKA 10</b> Page 2/96	<b>SAKB 10</b> Page 2/96	<b>SAKT 1/LT</b> Lateral disconnection Page 2/97	<b>SAKT 1/DU 1</b> Feed-through Page 2/97	<b>SAKT 1/QT 1</b> Cross-disconnection Page 2/97	<b>SAKT 2/LT</b> Lateral disconnection Page 2/97	<b>SAKT 4/LT</b> Page 2/98	<b>SAKT 4/DU</b> Feed-through Page 2/98

**Feed-through and disconnect terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection**

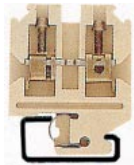
						
<b>AST 1</b>	<b>AST 3</b>	<b>AST 4</b>	<b>AST 5</b>	<b>SAK 4 S</b>	<b>SAK 4 SS</b>	<b>SAKR F</b>
Page 2/99	Page 2/99	Page 2/99	Page 2/99	Page 2/100	Page 2/100	Page 2/100
						
<b>DK 4 S</b>	<b>DK 4 S</b>	<b>SAK 2.5 T</b>	<b>SAK 2.5 T</b>	<b>SAK 2.5 T</b>		
Page 2/101	only 2,8 mm Page 2/101	1 x 1 Pin Page 2/102	0,8 x 1,6 Pin Page 2/102	0,8 x 2,4 Pin Page 2/102		
						
<b>DK 4 T / DK 4 QT</b>	<b>DK 4 T / DK 4 QT</b>	<b>DK 4 T / DK 4 QT</b>	<b>SAKR T</b>	<b>SAK 2.5/M.LS</b>	<b>SAK 2.5 L</b>	<b>SAK 2.5 LL</b>
1 x 1 Pin Page 2/103	0,8 x 1,6 Pin Page 2/103	0,8 x 2,4 Pin Page 2/103	1x1, 0,8x1,6, 0,8x2,4 Page 2/103	with shield connection Page 2/105	Page 2/105	Page 2/105
						
<b>SAKR L</b>	<b>SAKR L</b>	<b>SAKR L</b>	<b>SAKR LL</b>	<b>SAKR LL</b>	<b>TAL</b>	<b>TAL</b>
with Disconnecter Page 2/105	with 1 x StB. ø 2,3 mm Page 2/106	with 2 x StB. ø 2,3 mm Page 2/106	with Disconnecter Page 2/106	with 2 x StB. ø 2,3 mm Page 2/106	Disconn., 2 solder conn. Page 2/107	Disconn., 4 solder conn. Page 2/107

**Rack mounted interface system**



**AVR 4/10**  
0,8x1,6 + 0,8x2,4  
Page 2/104

**Ceramic feed-through terminals for use in high temperature ranges up to max. 210°C**



**SAKK 4**  
for TS 32  
Page 2/107



**SAKK 10**  
for TS 32  
Page 2/107











**Feed-through terminals for temperature measuring circuits / AKZ-series for TS 15**




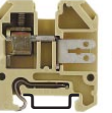


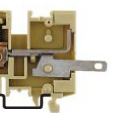
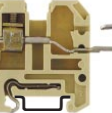
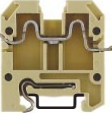













**AKZ 4/TC**  
Page 2/114

## AKZ series

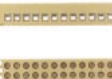


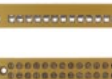



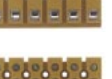

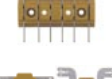

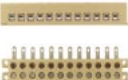

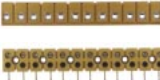
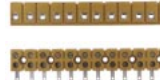
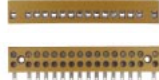
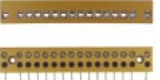
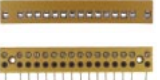
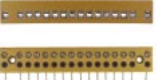
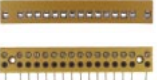
Feed-through terminals for space saving assembly

Feed-through-, PE-, Fuse- and Disconnect terminals for TS 15				
				
<b>AKZ 1.5</b>	<b>AKZ 2.5</b>	<b>AKZ 4</b>	<b>AKZ 4</b> for test adapter	<b>AK 4 • AK 4/10</b>
Page 2/108	Page 2/108	Page 2/108	Page 2/108	Page 2/109
				
<b>AKE 2.5</b>	<b>AKE 4</b>	<b>AKE 4 MS</b>	<b>ASK 1</b> 5 x 20	<b>SAKR</b> 2 x StB ø 2,3 mm
Page 2/109	Page 2/109	Page 2/109	Page 2/109	Page 2/109

Feed-through terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection									
									
<b>AKZ 4 SS</b> 6,3 mm slotted	<b>AKZ 4 SS</b> 4 x 2,8 mm	<b>AKZ 4 S</b> Srew-2x2,8mm	<b>AKZ 4 SF</b>	<b>AL 1</b>	<b>AKZ 1.5 L</b>	<b>AKZ 2,5 K</b>	<b>AKZ 4 L</b>	<b>AKZ 4 LL</b> Pin 0,8 x 1,6	<b>AKZ 1,5 T</b> Pin 1 x 1
Page 2/110	Page 2/110	Page 2/110	Page 2/110	Page 2/111	Page 2/111	Page 2/111	Page 2/111	Page 2/111	Page 2/112
									
<b>AKZ 1,5 T</b> Pin 0,8 x 1,6	<b>AKZ 2,5 K</b> Pin 0,8 x 1,6	<b>AKZ 2,5 K</b> Pin 0,8 x 1,6	<b>AKZ 2,5 K</b> Pin 0,8 x 1,6	<b>AKZ 4 T</b> 1 x 1	<b>AKZ 4 T</b> 0,8 x 1,6	<b>AKZ 4 T</b> 0,8 x 2,4	<b>AKZ 4 T</b> 0,8 x 2,4	<b>AKZ 4 ST</b> 0,8 x 1,6	<b>AKZ 4 ST</b> 0,8 x 1,6
Page 2/112	Page 2/112	Page 2/113	Page 2/113	Page 2/113	Page 2/113	Page 2/113	Page 2/113	Page 2/113	Page 2/113


## MK-, BK series

Multipole terminal blocks and Feed-through terminals for direct mounting

Multipole terminal blocks for direct mounting									
									
<b>MK 2/12</b> 2,5 mm <sup>2</sup>	<b>MK 10/14</b> 2,5 mm <sup>2</sup>	<b>MK 3/12</b> 2,5 mm <sup>2</sup>	<b>MK 4/16</b> 2,5 mm <sup>2</sup>	<b>MK 5/2</b> 2,5 mm <sup>2</sup>	<b>KS 2 ... 10</b> 2,5 mm <sup>2</sup>	<b>BK 2 ... 12</b> 4 mm <sup>2</sup>	<b>MK 6/2 ... 6/6</b> 6 mm <sup>2</sup>	<b>MDM 10/1</b>	<b>MF 1/6 ... 1/12</b> also with single tab
Page 2/115	Page 2/115	Page 2/115	Page 2/115	Page 2/116	Page 2/116	Page 2/116	Page 2/116	Page 2/117	Page 2/117
									
<b>SLS 2 4+2poles</b>	<b>MKL 2/12</b>	<b>MF 2/12</b>	<b>MKL 3/12 2-12poles</b> vertical	<b>MKL 3/12 2-12poles</b> horizontal	<b>MKL 4/16</b> horizontal	<b>MKL 4/16</b> horizontal	<b>MKL 4/16</b> horizontal	<b>MKL 4/16</b> vertical	<b>MKL 4/16</b> vertical
Page 2/117	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118










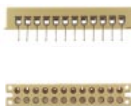
## MK-, BK series

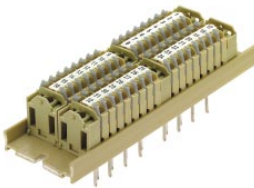
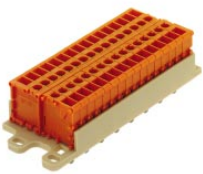

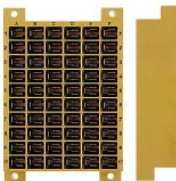

Multipole terminal blocks, Screw, solder, tab connection modular design

Feed-through and fuse terminals for Screw connection		
		
<b>AKB 4</b>	<b>AKZ 2.5</b>	<b>ASK 1</b>
Page 2/119	Page 2/119	5 x 20 Page 2/119

## ADK series







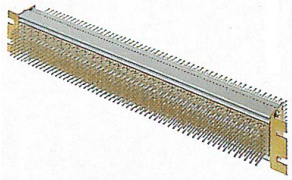
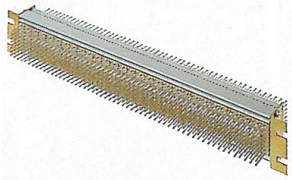
Feed-through terminals for sheet metal-cut-out mounting

Feed-through terminals with solder-, tab-, Termipoint®- and Wire-wrap®-connection									
									
<b>AKA 2.5</b>	<b>ADK 1</b>	<b>ADK 1 F / 3 F</b>	<b>ADK 1 S</b>	<b>ADK 3 W</b>	<b>ADK 1 T</b>	<b>ADK 2.5 K</b>	<b>ADK 2.5 K</b>	<b>ADK 1 FT</b>	<b>MK 2/12</b>
Page 2/120	Page 2/120	Page 2/120	Page 2/120	Page 2/121	Page 2/121	Page 2/121	with Solder tag Page 2/121	Page 2/121	Page 2/121

Rack mounted interface systems				
				
<b>DSG 1.5 T/32</b>	<b>TOP 1.5 F/32</b>	<b>SP 10 FF / SP 10 LF</b>	<b>SP 60 FF / SP 60 LF</b>	<b>SP 90 FF / SP 90 LF</b>
2 x Direct, 1 x 0,8 x 1,6 Page 2/122	Top-Screw - 0,8 x 2,8 Page 2/122	3 x 0,8x6,3 - 3 x 0,8x6,3 Page 2/122	3 x 0,8x6,3 - 3 x 0,8x6,3 Page 2/122	3 x 0,8x6,3 - 3 x 0,8x6,3 Page 2/123

## RV series

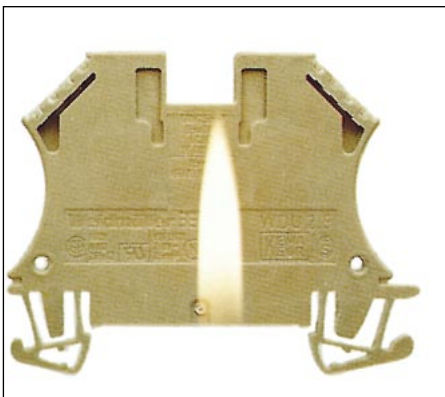
Interface system for high density wiring

Rack mounted interface systems							
							
<b>RSV 8/8 long</b>	<b>RV 8/8 long</b>	<b>RV 8/8 short</b>	<b>RV 8/8 short</b>	<b>RV 8/9 long</b>	<b>RV 8/20 short</b>	<b>RV 8/56 short</b>	<b>RV 8/56 short</b>
64x0,8x2,4 - 1x1 Page 2/124	64x0,8x2,4 - 0,8x2,4 Page 2/124	64x0,8x2,4 - 1x1 Page 2/124	64x0,8x2,4 - 0,8x2,4 Page 2/124	72x0,8x2,4 - 1x1 Page 2/124	160x0,8x2,4 - 1x1 Page 2/124	448x0,8x2,4 - 1x1 Page 2/124	448x0,8x2,4 - 0,8x2,4 Page 2/124

## Advantages of Weidmüller terminal blocks

30 years of Weidmüller's know-how were put into the **Weidmüller W series**. The result is a new system, that defines a new standard ...

- compact design
- same dimensions in a range from 2,5 - 16 mm<sup>2</sup>, features a.o. disconnect and fuse functions
- easy project planning



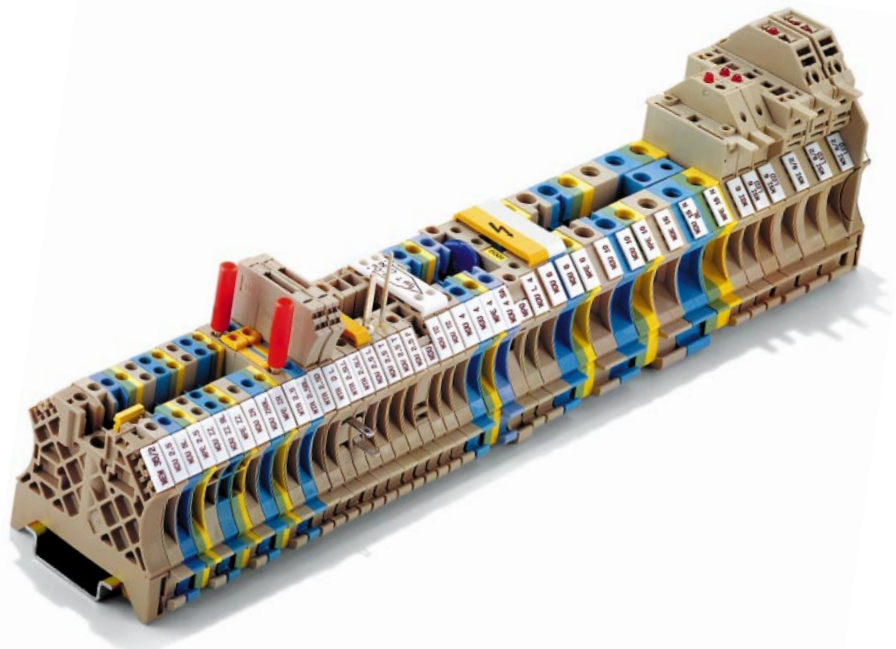
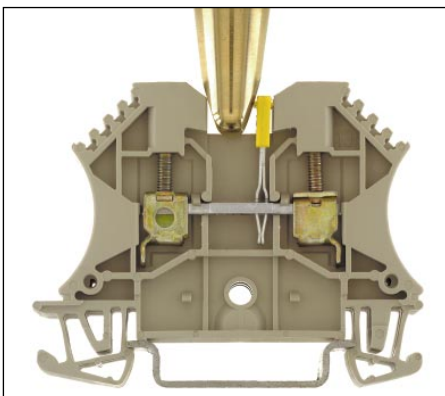
Common features of all variants are:

### Wemid insulating material

- Non-tracking – CTI 600
- Temperature resistant – 120 °C
- Self-extinguishing – VO according to UL
- No harmful substances

### New design of terminal blocks supports ease of installation and wiring.

- Recessed grips in the area of conductor entry funnels – ergonomic design feature!
- Standard overall dimensions reduce accessories.
- Restricted conductor guidance in the open clamping unit through conical entry funnel.



**Absolute shock protection** with conductors connected; for feed-through terminals also with cross connections. Safe from finger-touch according to VDE 0106, part 100.

**Reliable conductor connection** through proven **design features**.

- High contact force  
- long-term stable contact point
- Mechanical and electrical functions safely separated by special design; vibration resistant
- Wide clamping range; also suitable for two conductors (W-series); rated cross-section also connectable with ferrule
- Corrosion-resistant copper current bar with tin-lead plated surface; low voltage drop; no risk of stress corrosion cracking
- Open clamping unit with polarizing protection
- Quick and easy conductor connection

### Types of connection

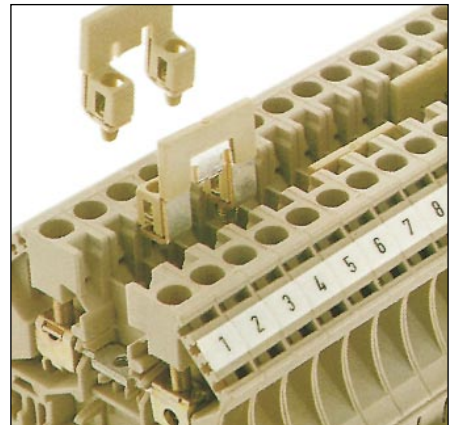
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

**Clear marking** of incoming and outgoing conductors with **dekafix** and **WS 10/ WS 12**

### Cross connection system

- Prefitted units 2, 3, 4 and 10-pole.
- Shock protected without accessories.
- Captive fixing screws; screwdriver guide provided by recessed arrangement (W-series).
- Snap-fitting in terminal insulator; easy overhead installation.
- Connecting links can be broken off; terminal skipping possible.

- Staggered arrangement in terminal insulator; parallel routing of two potentials possible.
- No end plates or partition plates for adjacent cross connections up to 380 V.
- The full rated current of the terminal can be conducted over all pole numbers.

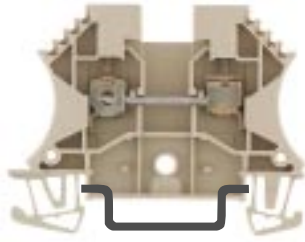


### All approvals

- SEV Switzerland
- CSA Canada
- UL USA
- NEMKO Norway
- DEMKO Denmark
- SEMKO Sweden
- KEMA Netherlands
- SETI Finland approvals
- L.C.I.E. EX approvals
- Naval approvals

Wire-Wrap® = registered trademark of the company Gardner Denver

TERMI-POINT® = registered trademark of the company AMP

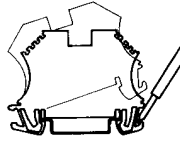
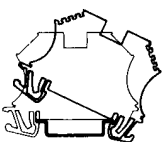


This series has **versions** for conductors up to 150 mm<sup>2</sup>.

- Only two different end plates.
- The larger end plate can be used as a partition for the smaller terminals.
- Both end plates latch tightly onto the terminals.

Because of its clearly reduced external dimensions, the WDU 1.5 is particularly suitable for confined spaces. This small design does, however, make parallel cross-connection impossible and a separate end plate is needed.

#### Assembly and removal



**latch on**

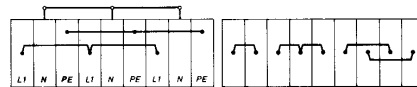
**latch off**

The terminals can be moved along the mounting rail with little effort. This is advantageous because it allows the position of a terminal strip to be easily matched to local conditions.

**End brackets** fitted on the left and right prevent undesired displacement and securely position the terminals. End brackets can also accept marking tags and thus be used for group marking.

The new **cross-connection** system offers particular advantages.

- Pre-assembled units with 2, 3, 4 and 10 poles.
- Shock-hazard protection according to VBG 4 or VDE 0106 Part 100/3.83 without additional components.
- Captive fixing screws. Screwdriver guidance through countersunk arrangement.
- Engageable in terminal moulding – simple overhead assembly.
- No end plates or partitions for neighbouring cross-connection up to 400V.
- The full terminal rated current can be fed across all numbers of poles.
- Snap-off connection tags - skipping of terminals is possible.
- Offset arrangement in terminal moulding – parallel use of 2 potentials possible



**Combination**  
**Feed-through terminals**  
for L1, N disconnect  
and PE terminals

**Simple**      **Parallel**  
**Arrangement of**  
**2 potentials**

This **cross-connection system** cannot only be employed with feed-through terminals, but also in combination with PE terminals and N-disconnect terminals. Extremely economical terminal strips can be assembled in this way.

Although each individual terminal block is shock-hazard protected **with and without** cross-connection, **covers** with high voltage flash DIN 30600 can be snap-fitted for all terminals up to 150 mm<sup>2</sup> rated cross-section; a **group tag carrier** can also be fitted as an alternative.

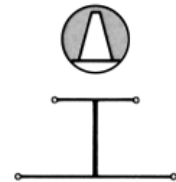
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

Weidmüller **double deck terminals** permit high wiring density despite their narrow width. The number of terminal points can be doubled by exchanging for 5 mm-wide standard terminals, without lengthening the mounting rail.

Weidmüller double deck terminals have the following wiring advantages:

- Cross-connections possible in one or both levels.
- Current bar connection between upper and lower level optional.
- Individual terminals replaceable without moving neighbouring terminals
- Clear identification of individual terminals
- For potential multiplication in confined spaces we recommend, for example, Weidmüller double deck terminals with current bar connection between the upper and lower levels.

These terminals can be recognised by the V-shaped groove in the terminal moulding.



An additional feature is the letter **V** in the type designation, such as

– WDK 2.5 **V**

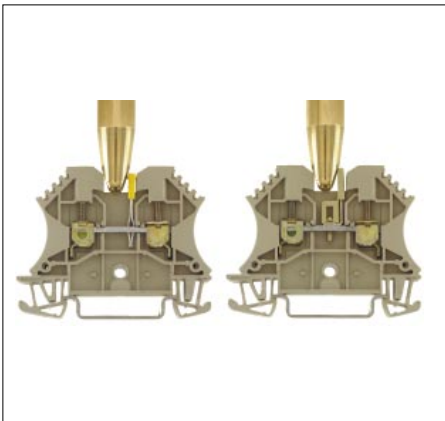
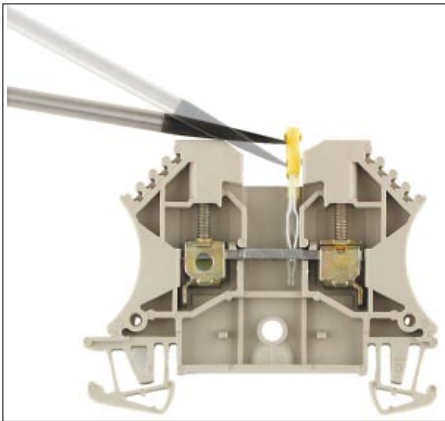
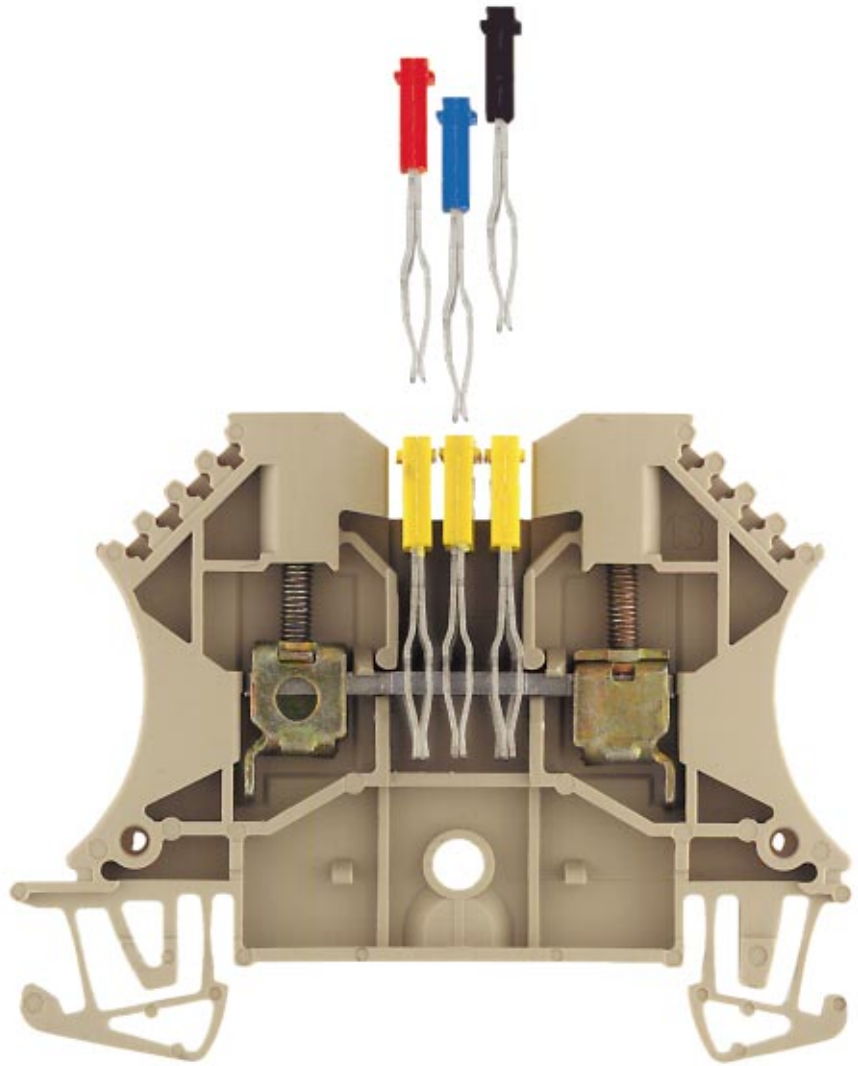
Cat.No. 102230

**Pluggable cross-connection  
system for bestseller WDU 2.5**

Cat. No. 102000

**40 %**

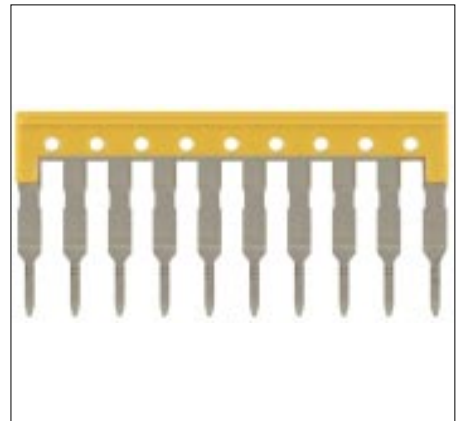
of all terminal blocks are cross-connected.  
Considerable assembly time saving



Touch safe protection according  
to VBG 4 and VDE 0106, Part 100 /3.83  
without additional parts



No end plates or partitions for  
neighbouring cross-connections  
up to 400 V



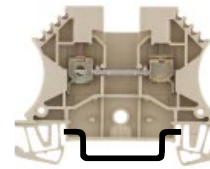
Contact elements can be removed  
by hand, so that several terminals  
can be skipped



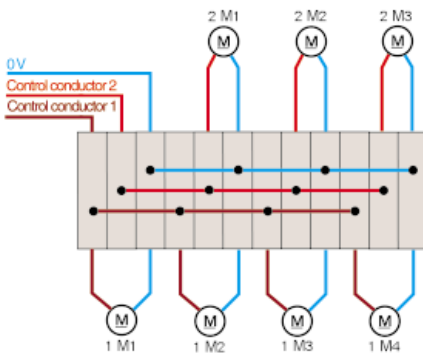
# Feed-through Terminals

## WDU 2.5

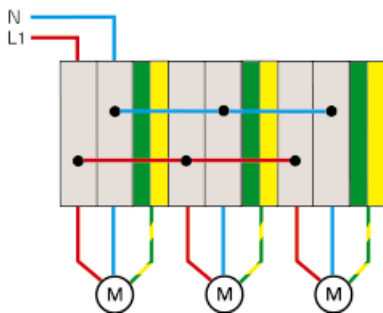
## WDU 2.5/10



32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>	
5/60/47		50/60/47	
10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6	
800 V/24 A/2,5 mm <sup>2</sup>		800 V/24 A/2,5 mm <sup>2</sup>	
8 kV/3		8 kV/3	
0,4...0,8		0,4...0,8	
1		1	
0,5...4		0,5...4	
1,5...4		1,5...4	
0,5...4		0,5...4	
0,5...2,5		0,5...2,5	
0,5...2,5		0,5...2,5	
0,13...4	A 3	0,13...4	A 3
32/24		32/24	
32/24		32/24	
600 V/25 A/22...12 AWG		600 V/25 A/22...12 AWG	
600 V/20 A/26...12 AWG		600 V/20 A/26...12 AWG	
Ordering data	Version	Ordering data	Version
	Wemid		Wemid
	Blue Wemid		Blue Wemid
	Orange PA		Orange PA
	102000 100		102000 100
	102008 100		102008 100
	102006 100		102006 100
	102070 10		102070 10
	102080 10		102080 10



Triple use up to 125 V with ZQV 2.5N



Parallel use up to 400 V with ZQV<sup>1)</sup> 2.5N or WQV 2.5

	Yellow	Red	Blue	Black	Qty.
ZQV 2.5N/2	169380	171790	171799	171808	60
ZQV 2.5N/3	169381	171791	171800	171809	60
ZQV 2.5N/4	169382	171792	171801	171810	60
ZQV 2.5N/5	169383	171793	171802	171811	20
ZQV 2.5N/6	169384	171794	171803	171812	20
ZQV 2.5N/7	169385	171795	171804	171813	20
ZQV 2.5N/8	169386	171796	171805	171814	20
ZQV 2.5N/9	169387	171797	171806	171815	20
ZQV 2.5N/10	169388	171798	171807	171816	20
ZQV 2.5N/50-endless	169389	171817	171818	171819	5

Colored Cross connection ZQV 2.5N

### Max. Technical Data

**Dimensions**  
Width/length/height (mm) With TS 35 x 7.5

Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1**

Rated voltage/rated current/rated cross-section

Rated impulse voltage/pollution severity

### Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

### Clampable conductor

solid H07V-U mm<sup>2</sup>

stranded H07V-R mm<sup>2</sup>

flexible H07V-K mm<sup>2</sup>

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

flexible H07V-K and AEH with plastic insul. collar mm<sup>2</sup>

Max. Clamping Range in mm<sup>2</sup> Gauge pin to 947-1

Contin. curr. rating of cross-connection WQV/ZQV 2poles A

Contin. curr. rating of cross-connection WQV/ZQV multipole A

### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

### Ordering data

### Version

Wemid

Blue Wemid

Orange PA

Terminal block printed 1-9 Wemid

Terminal block unprinted\* Wemid

### End plate/partition

WAP WAP (thickness 1.5 mm) Wemid

Blue Wemid

WTW Wemid

Blue Wemid

### Cross-connection\*\*

ZQV 2-pole

3-pole

4-pole

5-pole

6-pole

7-pole

8-pole

9-pole

10-pole

32-pole

endless 50pole

Screen lug LS 2.8

Notching tool WAW 1 for WQV

### Test adapter

WTA

### Test plug/socket

PS 2.3

StB 8.5

### Cover

WAD with Symbol

WAD white (for self-labeling)

### Group marking

T 5

WGB

Tag carrier for S 10 markers

### Marking tags

DEK

DEK

WS

WS



Consecutive horizontal

Consecutive vertical

For further accessories see section 3, further marking material see section 8

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
WAP 2.5-10	105000	50	WAP 2.5-10	105000	50
WAP 2.5-10	105008	50	WAP 2.5-10	105008	50
WTW 2.5-10	105010	20	WTW 2.5-10	105010	20
WTW 2.5-10	105018	20	WTW 2.5-10	105018	20
ZQV 2.5N Qty. WQV 2.5 Qty.			ZQV 2.5N Qty. WQV 2.5 Qty.		
169380	60	105366	50	169380	60
169381	60	105376	50	169381	60
169382	60	105386	50	169382	60
169383	20	105396	10	169383	20
169384	20	105406	10	169384	20
169385	20	105416	10	169385	20
169386	20	105426	10	169386	20
169387	20	105436	10	169387	20
169388	20	105446	20	169388	20
-	157760	10	-	157760	10
169389	5		169389	5	
WQB B/24	157906	20	WQB B/24	157906	20
LS 2.8	105640	50	LS 2.8	105640	50
WAW 1	900450	-	WAW 1	900450	-
WTA 2	163232	50	WTA 2	163232	50
WTA 2/ZA	163233	50	WTA 2/ZA	163233	50
WTA 2/10	163234	5	WTA 2/10	163234	5
ZE 1 (Strain relief)	163215	50	ZE 1 (Strain relief)	163215	50
PS 2.3 (ø 2,3)	018040	20	PS 2.3 (ø 2,3)	018040	20
PS 2.0 (ø 2,0)	029380	20	PS 2.0 (ø 2,0)	029380	20
StB 8.5 (ø 2,3)	021570	50	StB 8.5 (ø 2,3)	021570	50
StB 8.5 (ø 2,0)	126980	50	StB 8.5 (ø 2,0)	126980	50
WAD 5	105346	50	WAD 5	105346	50
WAD 5 white	105606	50	WAD 5 white	105606	50
WGB 5	105076	50	WGB 5	105076	50
T 5	034850	100	T 5	034850	100
SF 10	033240	1000	SF 10	033240	1000
SG 10	033250	1000	SG 10	033250	1000
DEK 5	047346	-	DEK 5	047346	-
DEK 5	047356	-	DEK 5	047356	-
WS 12/5	160986	-	WS 12/5	160986	-
WS 12/5	144746	-	WS 12/5	144746	-

<sup>1)</sup> When using the outer cross connection holes

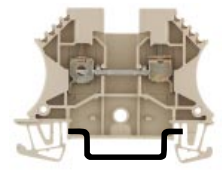
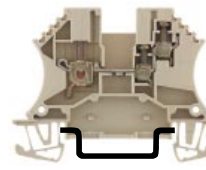
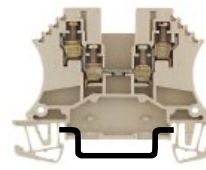
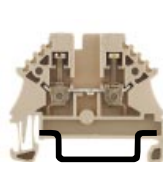
## Feed-through terminal blocks

### WDU 2.5N WDU 2.5N/10/BEZ

### WDU 1.5/ZZ

### WDU 2.5/1.5/ZR

### WDU 2.5 WDU 2.5/10/BEZ



#### Max. Technical Data

Dimension	WDU 2.5N WDU 2.5N/10/BEZ	WDU 1.5/ZZ	WDU 2.5/1.5/ZR	WDU 2.5 WDU 2.5/10/BEZ
Width/length/height (mm)	With TS 35 x 7.5	5/44/37,5	5/60/47	5/60/47
Insulation stripping length/clamping screw/screwdriver blade	10 mm/M 2,5/3,5 x 0,6	7 mm/M 2,5/3,5 x 0,6	10/7 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6
<b>VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1</b>				
Rated voltage/rated current/rated cross-section	500 V/24 A/2,5 mm <sup>2</sup>	690 V/17,5 A/1,5 mm <sup>2</sup>	690 V/24/17,5 A/2,5/1,5 mm <sup>2</sup> **	800 V/24 A/2,5 mm <sup>2</sup>
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kV/3

#### Further technical data

Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,8
Torque setting with DMS2 electric screwdriver		1	1	1	1

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...2,5	0,5...4/2,5**	0,5...4
stranded H07V-R	mm <sup>2</sup>	1,5...4	1,5...2,5	1,5...4/2,5**	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...1,5	0,5...4/1,5**	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5	0,5...1,5	0,5...2,5/1,5**	0,5...2,5
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...2,5 <sup>1)</sup>	0,5...1,5 <sup>1)</sup>	0,5...2,5/1,5** <sup>1)</sup>	0,5...2,5 <sup>1)</sup>
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1	0,13...4	0,08...2,5	0,13...4/0,08...2,5	0,13...4
Continuous current rating	WQV/ZQV 2–5-pole A	24/-	32/24	32/24	32/24
of cross-connection	WQV/ZQV 6–10-pole A	24/-	32/24	32/24	32/24

#### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/20 A/22...12 AWG	300 V/10 A/22...14 AWG	300 V/20/15 A/22...12 AWG	600 V/25 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/20 A/26...12 AWG	300 V/10 A/26...14 AWG	300 V/20/15 A/26...12/14 AWG	600 V/20 A/26...12 AWG

#### Ordering data

Version	Wemid	Blue Wemid	Orange PA	Terminal block printed 1–9 Wemid	Terminal block unprinted* Wemid		
WAP	<b>102370</b>	100	<b>103140</b>	100	<b>102470</b>	100	
WAP-WDU 2.5N	<b>102378</b>	100	<b>103148</b>	100	<b>102478</b>	100	
WTW	<b>102376</b>	100				<b>102008</b>	100
WTW (1,5)	<b>102490</b>	10				<b>102006</b>	100
Frame WDK 2.5	<b>102480</b>	10				<b>102070</b>	10
						<b>102080</b>	10

#### End plate/partition

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
WAP (thickness 1.5 mm) Wemid	WAP-WDU 2.5N	<b>106000</b>	50	WAP 2.5-10	<b>105000</b>	50	WAP 2.5-10	<b>105000</b>	50	WAP 2.5-10	<b>105000</b>	50
Blue Wemid	WAP-WDU 2.5N	<b>106008</b>	50	WAP 2.5-10	<b>105008</b>	50	WAP 2.5-10	<b>105008</b>	50	WAP 2.5-10	<b>105008</b>	50
WTW	WTW (1,5)	<b>019186</b>	20	WTW 2.5-10	<b>105010</b>	20	WTW 2.5-10	<b>105010</b>	20	WTW 2.5-10	<b>105010</b>	20
Blue Wemid				WTW 2.5-10	<b>105018</b>	20	WTW 2.5-10	<b>105018</b>	20	WTW 2.5-10	<b>105018</b>	20
Frame WDK 2.5												

#### Cross-connection

WQV	WQB B/24	Screen lug LS 2.8	2-pole	WQV 2,5/2	<b>105366</b>	50	ZQV 2.5N Qty.	WQV 2.5 Qty.	ZQV 2.5N Qty.	WQV 2.5 Qty.	ZQV 2.5N Qty.	WQV 2.5 Qty.	ZQV 2.5N Qty.	WQV 2.5 Qty.	
			3-pole	WQV 2,5/3	<b>105376</b>	50	<b>169380</b>	60	<b>105366</b>	50	<b>169380</b>	60	<b>105366</b>	50	
			4-pole	WQV 2,5/4	<b>105386</b>	50	<b>169381</b>	60	<b>105376</b>	50	<b>169381</b>	60	<b>105376</b>	50	
			10-pole	WQV 2,5/10	<b>105446</b>	20	<b>169382</b>	60	<b>105386</b>	50	<b>169382</b>	60	<b>105386</b>	50	
	ZQV 2.5N			WQB B/24	<b>157906</b>	20	<b>169388</b>	20	<b>105446</b>	20	<b>169388</b>	20	<b>105446</b>	20	
							WQB B/24	<b>157906</b>	20	WQB B/24	<b>157906</b>	20	WQB B/24	<b>157906</b>	20
							LS 2.8	<b>105640</b>	50	LS 2.8	<b>105640</b>	50	LS 2.8	<b>105640</b>	50
Notching tool WAW 1 for WQV				WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-

#### Test adapter

WTA	TA 1	Strain relief	WTA 1	<b>163229</b>	50	WTA 2	<b>163232</b>	50	WTA 2	<b>163232</b>	50	WTA 2	<b>163232</b>	50
			WTA 1/ZA	<b>163230</b>	50	WTA 2/ZA	<b>163233</b>	50	WTA 2/ZA	<b>163233</b>	50	WTA 2/ZA	<b>163233</b>	50
			WTA 1/10	<b>163231</b>	5	WTA 2/10	<b>163234</b>	5	WTA 2/10	<b>163234</b>	5	WTA 2/10	<b>163234</b>	5
			ZE 1	<b>163215</b>	50	ZE 1	<b>163215</b>	50	ZE 1	<b>163215</b>	50	ZE 1	<b>163215</b>	50

#### Test plug/socket

PS 2.3	StB 8.5	PS 2.3 (ø 2,3)	<b>018040</b>	20	PS 2.3 (ø 2,3)	<b>018040</b>	20	PS 2.3 (ø 2,3)	<b>018040</b>	20	PS 2.3 (ø 2,3)	<b>018040</b>	20
		PS 2.0 (ø 2,0)	<b>029380</b>	20	PS 2.0 (ø 2,0)	<b>029380</b>	20	PS 2.0 (ø 2,0)	<b>029380</b>	20	PS 2.0 (ø 2,0)	<b>029380</b>	20
		StB 8.5 (ø 2,3)	<b>021570</b>	50	StB 8.5 (ø 2,3)	<b>021570</b>	50	StB 8.5 (ø 2,3)	<b>021570</b>	50	StB 8.5 (ø 2,3)	<b>021570</b>	50
		StB 8.5 (ø 2,0)	<b>126980</b>	50	StB 8.5 (ø 2,0)	<b>126980</b>	50	StB 8.5 (ø 2,0)	<b>126980</b>	50	StB 8.5 (ø 2,0)	<b>126980</b>	50

#### Abdeckungen

WAD with symbol	WAD 4	<b>107200</b>	50					WAD 5	<b>105346</b>	50
WAD white	WAD 4 white	<b>107210</b>	50					WAD 5 white	<b>105606</b>	50

#### Group marking

T 5	WGB	T 5	<b>034850</b>	100	T 5	<b>034850</b>	100	T 5	<b>034850</b>	100	T 5	<b>034850</b>	100
Tag carrier		SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000
für S 10 markers		SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000

#### Marking tags

DEK	DEK	WS	WS	Print								
Consecutive horizontal	DEK 5	<b>047346</b>	-	DEK 5	<b>047346</b>	-	DEK 5	<b>047346</b>	-	DEK 5	<b>047346</b>	-
Consecutive vertical	DEK 5	<b>047356</b>	-	DEK 5	<b>047356</b>	-	DEK 5	<b>047356</b>	-	DEK 5	<b>047356</b>	-
Blank	WS 12/5	<b>160986</b>	-	WS 12/5	<b>160986</b>	-	WS 12/5	<b>160986</b>	-	WS 12/5	<b>160986</b>	-
Printed	WS 12/5	<b>144746</b>	-	WS 12/5	<b>144746</b>	-	WS 12/5	<b>144746</b>	-	WS 12/5	<b>144746</b>	-

#### For further accessories see section 3, further marking material see section 8

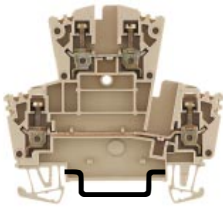
\* With unprinted dekafix marking strips

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

\*\* Twin connection

**WDK 2.5**  
**WDK 2.5/10/BEZ**

400 V



26 A/2,5 mm<sup>2</sup>  
5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/24 A/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

Icon	Cat. No.	Qty.
	102150	100
	102158	100
	102156	100
	102560	10
	102570	10

Type	Cat. No.	Qty.
WAP	105910	20
WAP	105918	20
WTW	105880	20

WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-

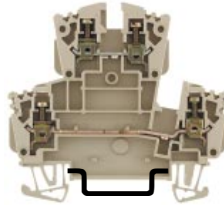
TA 1 053586 20

AD 3 048540 -  
HP 3 048576 20  
WAD 4 107200 50

WT 4 134106 100  
SF 10 033240 1000  
SG 10 033250 1000

DEK 5 047346 -  
DEK 5 047356 -  
WS 8/5 164074 -  
WS 8/5 158008 -

**WDK 2.5**  
800 V



26 A/2,5 mm<sup>2</sup>  
6/69/63  
10 mm/M 2,5/3,5 x 0,6

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

Icon	Cat. No.	Qty.
	102910	100

Type	Cat. No.	Qty.
WAP	105910	20
WAP	105918	20
WTW	105880	20

Q 2	036900	50
Q 3	036910	50
Q 4	036920	50
Q 10	036930	20
LS 2.8	105640	50

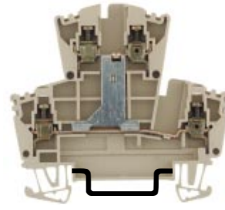
TA 1 053586 20

AD 3 048540 -  
HP 3 048576 20  
WAD 4 107200 50

WT 4 134106 100  
SF 10 033240 1000  
SG 10 033250 1000

DEK 5 047346 -  
DEK 5 047356 -  
WS 8/5 164074 -  
WS 8/5 158008 -

**WDK 2.5 V**



24 A/2,5 mm<sup>2</sup>  
5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/24 A/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

Icon	Cat. No.	Qty.
	102230	100

Type	Cat. No.	Qty.
WAP	105910	20
WTW	105880	20

WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-

TA 1 053586 20

AD 3 048540 -  
HP 3 048576 20  
WAD 4 107200 50

WT 4 134106 100  
SF 10 033240 1000  
SG 10 033250 1000

DEK 5 047346 -  
DEK 5 047356 -  
WS 8/5 164074 -  
WS 8/5 158008 -

**WDK 2.5 DU-PE**



24 A/2,5 mm<sup>2</sup>/-/  
5/69/63  
10 mm/M 2,5/3,5 x 0,6

400 V/-/24 A/-/2,5 mm<sup>2</sup>  
6 kV/3

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
32/-  
32/-

300 V/20 A/22...12 AWG  
300 V/10 A/26...12 AWG

Icon	Cat. No.	Qty.
	103640	100

(Beige Wemid with divided current bar below)

Type	Cat. No.	Qty.
WAP	105910	20
WTW	105880	20

WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
WAW 1	900450	-

TA 1 053586 20

AD 3 048540 -  
HP 3 048576 20  
WAD 4 107200 50

WT 4 134106 100  
SF 10 033240 1000  
SG 10 033250 1000

DEK 5 047346 -  
DEK 5 047356 -  
WS 8/5 164074 -  
WS 8/5 158008 -

**WDK 2.5 E**  
**WDK 2.5 E GET.SCH.**

Terminal blocks for electrical components



Terminal blocks with electrical components see section 3

-/2,5 mm<sup>2</sup>  
5/69/63  
10 mm/M 2,5/3,5 x 0,6

-/-/2,5 mm<sup>2</sup>  
-/-

0,4...0,7  
1

0,5...4  
1,5...4  
0,5...2,5  
0,5...2,5  
0,5...2,5<sup>1)</sup>

0,13...4 A 3  
-  
-

300 V/20 A/22...12 AWG  
-

Icon	Cat. No.	Qty.
	102320	100
	102310	100

(Beige Wemid with divided current bar below)

Type	Cat. No.	Qty.
WAP	105910	20
WAP	105918	20
WTW	105880	20

Frame (5 mm) 107400 20

WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-

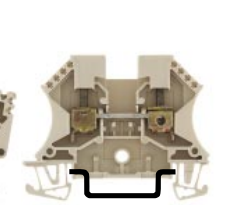
TA 1 053586 20

AD 3 048540 -  
HP 3 048576 20  
WAD 4 107200 50

WT 4 134106 100  
SF 10 033240 1000  
SG 10 033250 1000

DEK 5 047346 -  
DEK 5 047356 -  
WS 8/5 164074 -  
WS 8/5 158008 -

**WDU 4**  
**WDU 4/10/BEZ**



46 A/6 mm<sup>2</sup>  
6/60/47  
10 mm/M 3/3,5 x 0,6

800 V/32 A/4 mm<sup>2</sup>  
8 kV/3

0,5...1,0  
2

0,5...6  
1,5...6  
0,5...6  
0,5...4  
0,5...4

0,13...6 A 4  
46  
46

600 V/35 A/22...10 AWG  
600 V/35 A/26...10 AWG

Icon	Cat. No.	Qty.
	102010	100
	102018	100
	102090	10
	102100	10

Type	Cat. No.	Qty.
WAP 2.5-10	105000	50
WAP 2.5-10	105008	50
WTW 2.5-10	105010	20
WTW 2.5-10	105018	20

WQV 4/2	105196	50
WQV 4/3	105456	50
WQV 4/4	105466	50
WQV 4/10	105206	20

LS 2.8	105640	50
WAW 1	900450	-

WTA 3 163235 50  
WTA 3/ZA 163236 50  
WTA 3/10 163237 5  
ZE 1 163215 50

PS 2.3 (ø 2,3) 018040 20

StB 8.5 (ø 2,3) 028060 50

WAD 5 105346 50  
WAD 5 white 105606 50

WGB 5 105076 50  
T 5 034850 100  
SF 10 033240 1000  
SG 10 033250 1000

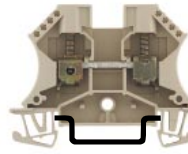
DEK 6 046866 -  
DEK 6 047356 -  
WS 12/6 160990 -  
WS 12/6 144766 -

## Feed-through terminal blocks

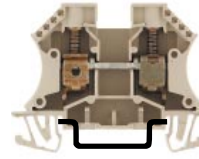
### WMA 4/5 WMA 4/4



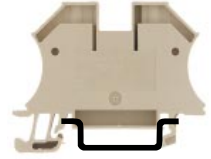
### WDU 6 WDU 6/10/BEZ



### WDU 10



### WDU 16N



Max. Technical Data		46 A/6 mm <sup>2</sup>	63 A/10 mm <sup>2</sup>	85 A/16 mm <sup>2</sup>	82 A/25 mm <sup>2</sup>		
<b>Dimension</b>							
Width/length/height (mm)	With TS 35 x 7.5	60/60/47	8/60/47	10/60/47	12/60/47		
Insulation stripping length/clamping screw/screwdriver blade							
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1		10 mm/M 3/3,5 x 0,6	12 mm/M 3,5/4,0 x 0,8	12 mm/M 4/5,5 x 1,0	12 mm/M 4/5,5 x 1,0		
Rated voltage/rated current/rated cross-section							
Rated impulse voltage/pollution severity		800 V/32 A/4 mm <sup>2</sup> 8 kV/3	800 V/41 A/6 mm <sup>2</sup> 8 kV/3	1000 V/57 A/10 mm <sup>2</sup> 8 kV/3	400 V/76 A/16 mm <sup>2</sup> 6 kV/3		
<b>Further technical data</b>							
Tightening torque range		Nm 0,5...1,0	0,8...1,6	1,2...2,4	1,2...2,4		
Torque setting with DMS2 electric screwdriver		2	3	4	4		
<b>Clampable conductor</b>							
solid H07V-U	mm <sup>2</sup>	0,5...6	0,5...10	1,5...16	1,5...16		
stranded H07V-R	mm <sup>2</sup>	1,5...6	1,5...10	1,5...16	1,5...25		
flexible H07V-K	mm <sup>2</sup>	0,5...6	0,5...10	1,5...16	1,5...16		
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	0,5...6	1,5...16	1,5...16		
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...4	0,5...6	1,5...16	1,5...16		
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1	0,13...6	0,5...10	1,31...16	1,5...25		
Continuous current rating	WQV/ZQV	46	63	85	76		
of cross-connection	WQV/ZQV	46	63	63	57 (3 + 4-pole)		
<b>UL / CSA rated data</b>							
Voltage / current / conductor size		UL 600 V/35 A/22...10 AWG	600 V/45 A/20...8 AWG	600 V/60 A/16...6 AWG	-		
Voltage / current / conductor size		CSA 600 V/35 A/26...10 AWG	600 V/45 A/20...8 AWG	600 V/65 A/16...6 AWG	-		
<b>Ordering data</b>							
Version							
Wemid							
Blue Wemid							
Terminal block printed 1-9 Wemid							
Terminal block unprinted* Wemid							
Motor connection block (L1, L2, L3, PE) Wemid							
Motor connection block (L1, L2, L3, N, PE) Wemid							
		<b>103400</b>					
		<b>103380</b>					
<b>End plate/partition</b>							
Type		Cat. No.	Qty.	Type	Cat. No.	Qty.	
WAP (thickness 1.5 mm) Wemid		WAP 2.5-10	<b>105000</b>	50	WAP 2.5-10	<b>105000</b>	50
Blue Wemid		WAP 2.5-10	<b>105008</b>	50	WAP 2.5-10	<b>105008</b>	50
WTW		WTW 2.5-10	<b>105010</b>	20	WTW 2.5-10	<b>105010</b>	20
Blue Wemid		WTW 2.5-10	<b>105018</b>	20	WTW 2.5-10	<b>105018</b>	20
WTW EX					<b>105880</b>	20	
<b>Cross-connection</b>							
Type		Cat. No.	Qty.	Type	Cat. No.	Qty.	
WQV WQB 8/24		WQV 4/2	<b>105196</b>	50	WQV 10/2	<b>105256</b>	50
		WQV 4/3	<b>105456</b>	50	WQV 10/3	<b>105496</b>	50
		WQV 4/4	<b>105466</b>	50	WQV 10/4	<b>105506</b>	50
		WQV 4/10	<b>105206</b>	20	WQV 10/10	<b>105246</b>	20
Screen lug LS 2.8		LS 2.8	<b>105640</b>	50	LS 2.8	<b>105640</b>	50
Notching tool WAW 1 for WQV		WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-
<b>Test adapter</b>							
Type		Cat. No.	Qty.	Type	Cat. No.	Qty.	
WTA		WTA 3	<b>163235</b>	50			
WTA 3		WTA 3/ZA	<b>163236</b>	50	WTA 5/1	<b>105126</b>	25
Strain relief		WTA 3/10	<b>163237</b>	5			
		ZE 1	<b>163215</b>	50			
<b>Test plug/socket</b>							
Type		Cat. No.	Qty.	Type	Cat. No.	Qty.	
PS 2.3		PS 2.3 (ø 2,3)	<b>018040</b>	20	PS 2.3 (ø 2,3)	<b>018040</b>	20
StB 8.5		StB 8.5 (ø 2,3)	<b>028060</b>	50	PS 4 (ø 4)	<b>029960</b>	20
					StB 8.5 (ø 2,3)	<b>028060</b>	50
					StB 14 (ø 4)	<b>016990</b>	50
					StB 14 (ø 4)	<b>016990</b>	50
					StB 14 (ø 4)	<b>016990</b>	50
<b>Abdeckungen</b>							
WAD with symbol		WAD 5	<b>105346</b>	50	WAD 8	<b>105356</b>	50
WAD white		WAD 5 white	<b>105606</b>	50	WAD 8 white	<b>105616</b>	50
for self-labeling					WAD 12 N	<b>107320</b>	50
					WAD 12 N white	<b>107329</b>	50
<b>Group marking</b>							
Type		Cat. No.	Qty.	Type	Cat. No.	Qty.	
T 5		WGB 5	<b>105076</b>	50	WGB 8	<b>105096</b>	50
Tag carrier		T 5	<b>034850</b>	100	T 5	<b>034850</b>	100
für S 10 markers		SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000
		SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000
<b>Marking tags</b>							
Print		Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.
DEK		FW 6	<b>046866</b>	-	FW 8	<b>127696</b>	-
DEK		FS 6	<b>047356</b>	-	FS 8	<b>128966</b>	-
WS		WS 12/6	<b>160990</b>	-	WS 12/6,5	<b>160992</b>	-
WS DEK		WS 12/6	<b>144766</b>	-	WS 12/6,5	<b>156895</b>	-
Blank							
Printed							
<b>For further accessories see section 3, further marking material see section 8</b>							

\* With unprinted dekafix marking strips

**WDU 16**

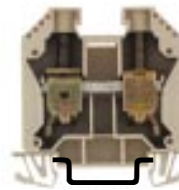
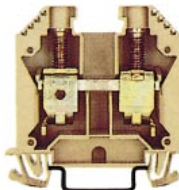
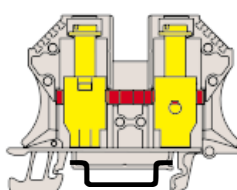
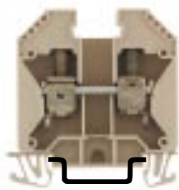
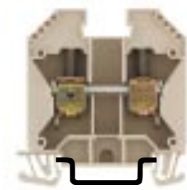
**WDU 16/ZA\***

**WDU 35N**

**WDU 35**

**WDU 35/ZA\***

**WDU 70N**



WDU 16	WDU 16/ZA*	WDU 35N	WDU 35	WDU 35/ZA*	WDU 70N
100 A/25 mm <sup>2</sup>	100 A/25 mm <sup>2</sup>	- / -	168 A/50 mm <sup>2</sup>	168 A/50 mm <sup>2</sup>	207 A/95 mm <sup>2</sup>
12/60/63	12/60/63	16/66/51	16/60/63	16/60/63	20,5/75/86
16 mm/M 5/5,5 x 1,0	16 mm/M 5/5,5 x 1,0	18 mm/M 6/5,5 x 1,0	18 mm/M 6/5,5 x 1,0	18 mm/M 6/5,5 x 1,0	22 mm/M 8/S 6 DIN 6911
1000 V/76 A/16 mm <sup>2</sup>	1000 V/76 A/16 mm <sup>2</sup>	400 V/125 A/35 mm <sup>2</sup>	1000 V/125 A/35 mm <sup>2</sup>	1000 V/125 A/35 mm <sup>2</sup>	1000 V/192 A/70 mm <sup>2</sup>
8 kV/3	8 kV/3	6 kV/3	8 kV/3	8 kV/3	8 kV/3
2,0...4,0	2,0...4,0	2,5...5,0	5,0 / 5,0...6,0**	5,0 / 5,0...6,0**	6,0...12
1,5...16	1,5...16	2,5...16	2,5...16	2,5...16	10...16
1,5...25	1,5...25	2,5...50	2,5...50	2,5...50	10...95
1,5...25	1,5...25	2,5...35	2,5...35	2,5...35	10...70
1,5...16	1,5...16	2,5...35	2,5...35	2,5...35	10...70
1,5...16	1,5...16	2,5...35	2,5...35	2,5...35	10...70
1,5...25	1,5...25	2,5...50	2,5...50	2,5...50	10...95
85	85	115	138	138	192
63	63	100	112	112	192 (3-pole)
600 V/70 A/14...6 AWG	600 V/70 A/14...6 AWG	-	600 V/115 A/12...2 AWG	600 V/115 A/12...2 AWG	600 V/175 A/6...2/0 AWG
600 V/65 A/14...6 AWG	600 V/65 A/14...6 AWG	-	600 V/120 A/12...2 AWG	600 V/120 A/12...2 AWG	600 V/205 A/8...2/0AWG
Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.
<b>102040</b> 50	<b>102890</b> 50	<b>104040</b> 25	<b>102050</b> 25	<b>102880</b> 25	<b>951219</b> 10
<b>102048</b> 50	<b>102898</b> 50	<b>104048</b> 25	<b>102058</b> 25	<b>102888</b> 25	<b>951242</b> 10
			(hexagon socket) <b>102060**</b> 25	(hexagon socket) <b>102900**</b> 25	(WDU 70N only with hexagon socket)
			(hexagon socket) <b>102068**</b> 25	(hexagon socket) <b>102908**</b> 25	
Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
WAP 16-35 <b>105010</b> 20	WAP 16-35 <b>105010</b> 20		WAP 16-35 <b>105010</b> 20	WAP 16-35 <b>105010</b> 20	
WAP 16-35 <b>105018</b> 20	WAP 16-35 <b>105018</b> 20		WAP 16-35 <b>105018</b> 20	WAP 16-35 <b>105018</b> 20	
WQV 16/2 <b>105326</b> 50	WQV 16/2 <b>105326</b> 50	WQV 35N/2 <b>107920</b> 50	WQV 35/2 <b>105306</b> 50	WQV 35/2 <b>105306</b> 50	WQV 70N/2 <b>951224</b> 5
WQV 16/3 <b>105516</b> 50	WQV 16/3 <b>105516</b> 50	WQV 35N/3 <b>107930</b> 50	WQV 35/3 <b>105536</b> 50	WQV 35/3 <b>105536</b> 50	WQV 70N/3 <b>951225</b> 5
WQV 16/4 <b>105526</b> 50	WQV 16/4 <b>105526</b> 50	WQV 35N/4 <b>107940</b> 50	WQV 35/4 <b>105546</b> 50	WQV 35/4 <b>105546</b> 50	WQV 70N/4 <b>953129</b> 5
WQV 16/10 <b>105336</b> 10	WQV 16/10 <b>105336</b> 10		WQV 35/10 <b>105316</b> 10	WQV 35/10 <b>105316</b> 10	
WQV 16/2 blue <b>105328</b> 50	WQV 16/2 blue <b>105328</b> 50		WQV 35/2 blue <b>105308</b> 50	WQV 35/2 blue <b>105308</b> 50	
WAW 1 <b>900450</b> -	WAW 1 <b>900450</b> -		WAW 1 <b>900450</b> -	WAW 1 <b>900450</b> -	Auxil./control conduc. term.
					WZAD 70N <b>951228</b> 10
PS 4 (ø 4) <b>029960</b> 20	PS 4 (ø 4) <b>029960</b> 20	PS 4 (ø 4) <b>029960</b> 20	PS 4 (ø 4) <b>029960</b> 20	PS 4 (ø 4) <b>029960</b> 20	PS 4 (ø 4) <b>029960</b> 20
StB 16 (ø 4) <b>014020</b> 50	StB 16 (ø 4) <b>014020</b> 50	StB 16 (ø 4) <b>014020</b> 50	StB 16 (ø 4) <b>014020</b> 50	StB 16 (ø 4) <b>014020</b> 50	Insertable in screw head of connection system
WAD 12 <b>105596</b> 50	WAD 12 <b>105596</b> 50		WAD 12 <b>105596</b> 50	WAD 12 <b>105596</b> 50	WAD 20 <b>951226</b> 20
WAD 12 white <b>105626</b> 50	WAD 12 white <b>105626</b> 50		WAD 12 white <b>105626</b> 50	WAD 12 white <b>105626</b> 50	WAD 20 white <b>951227</b> 20
T 5 <b>034850</b> 100	T 5 <b>034850</b> 100	T 5 <b>034850</b> 100	T 5 <b>034850</b> 100	T 5 <b>034850</b> 100	T 5 <b>034850</b> 100
SF 10 <b>033240</b> 1000	SF 10 <b>033240</b> 1000	SF 10 <b>033240</b> 1000	SF 10 <b>033240</b> 1000	SF 10 <b>033240</b> 1000	SF 10 <b>033240</b> 1000
SG 10 <b>033250</b> 1000	SG 10 <b>033250</b> 1000	SG 10 <b>033250</b> 1000	SG 10 <b>033250</b> 1000	SG 10 <b>033250</b> 1000	SG 10 <b>033250</b> 1000
DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -

\* with spigots

\*\* Tightening torque range 5,0...6,0 for Cat. No. **102060, 102068, 102900 and 102908** only



Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

For each terminal type, terminal block variants consisting of three, four and five-pole terminal blocks are available in addition to the individual terminals. All blocks are permanently screwed together for additional torsional rigidity.

Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

Further advantages are:

- Constant force transmission by self-adjusting connection system
- Random wiring direction
- Safe from finger-touch (VBG 4), even with cross-connection fitted
- Extreme distortion resistance



Open terminal cover, remove screw terminal unit



Place conductor in terminal, replace screw terminal unit



Close terminal cover, tighten screw with hex key

Max. Technical Data

Dimensions	
Width/length/height (mm)	With TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	

VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage/pollution severity	

Further technical data	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	

Clampable conductor	
solid H07V-U	mm <sup>2</sup>
stranded H07V-R	mm <sup>2</sup>
flexible H07V-K	mm <sup>2</sup>
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>

Strips	mm	3 x 9 x 0,8	6 x 9 x 0,8
Strips	mm	4 x 16 x 0,8	6 x 16 x 0,8
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1	16...120	B 12
Continuous current rating of cross-connection 2-pole		A	232
Continuous current rating of cross-connection multipole		A	(3) 232

UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

Ordering data		Version	
Hexagon socket 6 mm	Wemid		
Hexagon socket 6 mm	Blue Wemid		
Hexagon socket 6 mm	Green Wemid		
Hexagon socket 6 mm	Terminal block* 3-pole Wemid		
Hexagon socket 6 mm	Terminal block* 4-pole Wemid		
Hexagon socket 6 mm	Terminal block* 5-pole Wemid		
Mains terminal block 3x beige, 1x blue, 1x green Wemid			



Auxiliary / control conductor terminal WFL	pressure clamp*** WFL

Cover	Color
	Yellow
	White

Test plug

Fixing screw	For direct assembly
	M 6x16

Hexagon key
Hex. key 6 mm to DIN 6911

Screwdriver for direct assembly 1 x 5.5 x 125

Marking tags	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS DEK	Printed

For further accessories see section 3, further marking material see section 8

\* Terminal block for direct assembly only

\*\* Using 95 and 120 mm<sup>2</sup> with 10 Nm tightening torque

250 A/95 mm<sup>2</sup>

27/132/108
30 mm/M 8/S 6

1000 V/232 A/95 mm <sup>2</sup>
8 kV/3

6...12
-

16	
16...120**	
16...95**	
35...95**	
35...50	
3 x 9 x 0,8	6 x 9 x 0,8
4 x 16 x 0,8	6 x 16 x 0,8

16...120	B 12
232	
(3) 232	

600 V/175 A/6...2/0 AWG
600 V/205 A/6...2/0 AWG

	Cat. No.	Qty.
	<b>102460</b>	10
	<b>102468</b>	10
	<b>102465</b>	10

Type	Cat. No.	Qty.
WQV 70/2	<b>106350</b>	5
WQV 70/3	<b>106360</b>	5

WZAD 70	<b>106600</b>	10
WFL 70/95	<b>161633</b>	10

WAD 27		
with warning tag	<b>106286</b>	10

WAD 27		
without warning tag	<b>106296</b>	10

PS 4	<b>029960</b>	20
fits into screw head of the connection system		

M 6x16	<b>106370</b>	20
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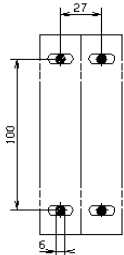
Hex. key 6 mm to DIN 6911	<b>040790</b>	-
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SD	<b>902450</b>	-
----	---------------	---

DEK 5	<b>047346</b>	-
DEK 5	<b>047356</b>	-
WS 12/6,5	<b>160992</b>	-
WS 12/6,5	<b>156895</b>	-

\*\*\* The WFL pressure clamp is needed when the flat strip cannot be inserted centrally.

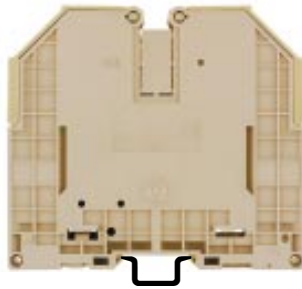
**WDU 70/95/...**



Drilling plan for direct mounting  
250 A/95 mm<sup>2</sup>

81/132/108 (triple block)*		
30 mm/M 8/S 6		
1000 V/232 A/95 mm <sup>2</sup>		
8 kV/3		
6...12		
-		
16		
16...120**		
16...95**		
35...95**		
35...50		
3 x 9 x 0,8	6 x 9 x 0,8	
4 x 16 x 0,8	6 x 16 x 0,8	
16...120		B 12
232		
(3) 232		
600 V/175 A/6...2/0 AWG		
600 V/205 A/6...2/0 AWG		
	Best-Nr.	Qty.
	<b>102670*</b>	4
	<b>102680*</b>	3
	<b>102690*</b>	2
	<b>103230*</b>	2
Type	Cat. No.	Qty.
WQV 70/2	<b>106350</b>	5
WQV 70/3	<b>106360</b>	5
WZAD 70		
	<b>106600</b>	10
WFL 70/95		
	<b>161633</b>	10
WAD 27		
with warning tag	<b>106286</b>	10
WAD 27		
without warning tag	<b>106296</b>	10
PS 4		
	<b>029960</b>	20
Insertable in screw head connection system		
M 6x16		
	<b>106370</b>	20
Hexagon key		
6 mm to DIN 6911	<b>040790</b>	-
SD		
	<b>902450</b>	-
DEK 5		
	<b>047346</b>	-
DEK 5		
	<b>047356</b>	-
WS 12/6,5		
	<b>160992</b>	-
WS 12/6,5		
	<b>156895</b>	-

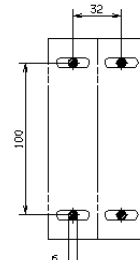
**WDU 120/150**



335 A/150 mm<sup>2</sup>

32/132/118		
35 mm/M 10/S 6		
1000 V/269 A/120 mm <sup>2</sup>		
8 kV/3		
10...20		
-		
-		
35...150		
35...150		
-		
-		
3 x 9 x 0,8	6 x 9 x 0,8	
4 x 16 x 0,8	6 x 16 x 0,8	
35...150		B 13
292		
(3) 292		
600 V/225 A/2...MCM 250 AWG		
600 V/285 A/2...MCM 250 AWG		
	Cat. No.	Qty.
	<b>102450</b>	10
	<b>102458</b>	10
	<b>102455</b>	10
Type	Cat. No.	Qty.
WQV 120/2	<b>106330</b>	5
WQV 120/3	<b>106340</b>	5
WZAD 120		
	<b>106610</b>	10
WFL 120/150		
	<b>161634</b>	10
WAD 27		
with warning tag	<b>106286</b>	10
WAD 27		
without warning tag	<b>106296</b>	10
PS 4		
	<b>029960</b>	20
Insertable in screw head connection system		
M 6x16		
	<b>106370</b>	20
Hexagon key		
6 mm to DIN 6911	<b>040790</b>	-
SD		
	<b>902450</b>	-
DEK 5		
	<b>047346</b>	-
DEK 5		
	<b>047356</b>	-
WS 12/6,5		
	<b>160992</b>	-
WS 12/6,5		
	<b>156895</b>	-

**WDU 120/150/...**



Drilling plan for direct mounting  
335 A/150 mm<sup>2</sup>

96/132/118 (triple block)*		
35 mm/M 10/S 6		
1000 V/269 A/120 mm <sup>2</sup>		
8 kV/3		
10...20		
-		
-		
35...150		
35...150		
-		
-		
3 x 9 x 0,8	6 x 9 x 0,8	
4 x 16 x 0,8	6 x 16 x 0,8	
35...150		B 13
292		
(3) 292		
600 V/225 A/2...MCM 250 AWG		
600 V/285 A/2...MCM 250 AWG		
	Cat. No.	Qty.
	<b>102640*</b>	3
	<b>102650*</b>	2
	<b>102660*</b>	2
	<b>103240*</b>	2
Type	Cat. No.	Qty.
WQV 120/2	<b>106330</b>	5
WQV 120/3	<b>106340</b>	5
WZAD 120		
	<b>106610</b>	10
WFL 120/150		
	<b>161634</b>	10
WAD 27		
with warning tag	<b>106286</b>	10
WAD 27		
without warning tag	<b>106296</b>	10
PS 4		
	<b>029960</b>	20
Insertable in screw head connection system		
M 6x16		
	<b>106370</b>	20
Hexagon key		
6 mm to DIN 6911	<b>040790</b>	-
SD		
	<b>902450</b>	-
DEK 5		
	<b>047346</b>	-
DEK 5		
	<b>047356</b>	-
WS 12/6,5		
	<b>160992</b>	-
WS 12/6,5		
	<b>156895</b>	-

## Tab connection terminals



## WFF 35



## WFF 70



### Max. Technical Data

Dimensions	
Width/length/height (mm)	without WAH
Width/length/height (mm)	with WAH
Bolt size	M

### VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1

Rated voltage/rated current/rated cross-section	
Rated impulse voltage/pollution severity	

### Further technical data

Tightening torque range	Nm
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### Clampable conductor

Cable lug DIN 46235	mm <sup>2</sup>
Cable lug DIN 46234	mm <sup>2</sup>
2 x cable lug DIN 46235	mm <sup>2</sup>
2 x cable lug DIN 46234	mm <sup>2</sup>
Strips	mm
Strips	mm
Strips	mm

### Max. Connection Area in mm<sup>2</sup>

Gauge for flat connections to EN 50043 Size	
Continuous current rating of cross-connection 2-pole	A
Continuous current rating of cross-connection 3-pole	A

### UL / CSA rated data

Voltage/current/conductor size	UL
Voltage/current/conductor size	CSA

### Ordering data

### Version

Version	Cat. No.	Qty.
Wemid	<b>102830</b>	10
Blue Wemid	<b>102838</b>	10
Wemid	<b>102930</b>	10

With covers

### Partition (thickness 2 mm)



Type	Cat. No.	Qty.
WTW WFF 35	<b>106710</b>	10

Type	Cat. No.	Qty.
WTW WFF 70	<b>106720</b>	10

### Cross-connection



WQL 2/35	<b>106490</b>	5
WQL 3/35	<b>106540</b>	5

WQL 2/70	<b>106500</b>	5
WQL 3/70	<b>106550</b>	5

### Auxiliary / control conductor terminal



WZAF 35	<b>107050</b>	10
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WZAF 70	<b>106620</b>	10
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### Cover



Beige PA 66	
Blue PA 66	
Light-green PA 66	

WAH 35	<b>106446</b>	20
WAH 35 BL	<b>106448</b>	20
WAH 35 HG	<b>106445</b>	20
WAP*	<b>106970</b>	20

WAH 70	<b>106456</b>	20
WAH 70 BL	<b>106458</b>	20
WAH 70 HG	<b>106455</b>	20
WAP*	<b>106980</b>	20

### Warning sign



Yellow, Self-adhesive	
With lightning flash	
Can be stuck to WAH only	

WD 1	<b>156390</b>	5
Qty. = 5 cards with 6 labels on each		

WD 1	<b>156390</b>	5
Qty. = 5 cards with 6 labels on each		

### Screwdriver / Fixing screw



For direct assembly	
Screwdriver	

M 6 x 16	<b>106370</b>	20
SD	<b>902450</b>	-

M 6x16	<b>106370</b>	20
SD	<b>902450</b>	-

### Cupal washers



For aluminium conductors

CPSB M 6	<b>015620</b>	50
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CPSB M 8	<b>015630</b>	50
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### Marking tags

### Print

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed

DEK 5	<b>047346</b>	-
DEK 5	<b>047356</b>	-
WS 12/6,5	<b>160992</b>	-
WS 12/6,5	<b>156895</b>	-

DEK 5	<b>047346</b>	-
DEK 5	<b>047356</b>	-
WS 12/6,5	<b>160992</b>	-
WS 12/6,5	<b>156895</b>	-

For further accessories see section 3, further marking material see section 8


\* The WAP can be used only in conjunction with the WAH.  
In the event that no conductor is connected, it guarantees shock protection in the connection area.



**WFF 120**



335 A/150 mm <sup>2</sup>
42/132/72
42/230/81
10
1000 V/269 A/120 mm <sup>2</sup>
8 kV/3
10...20
16...150
6...150
16...120
6...120
2 x 20 x 1
6 x 20 x 1
5 x 24 x 1
5,26...150
292
292

600 V/310 A/10...MCM 250 AWG
600 V/310 A/10...MCM 250 AWG
 Cat. No. Qty.
<b>102850</b> 5
<b>102858</b> 5
<b>102950</b> 5
Type Cat. No. Qty.
WTW WFF 120 <b>106730</b> 10

WQL 2/120 <b>106510</b> 5
WQL 3/120 <b>106560</b> 5

WZAF 120 <b>106630</b> 10
---------------------------

WAH 120 <b>106466</b> 20
WAH 120 BL <b>106468</b> 20
WAH 120 HG <b>106465</b> 20
WAP* <b>107300</b> 20

WD 1 <b>156390</b> 5
Qty. = 5 cards with 6 lables on each


M 6x16 <b>106370</b> 20
SD <b>902450</b> -
CPSB M 10 <b>015640</b> 50

DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

**WFF 185 / WFF 185 M 12 + M 16**



453 A/240 mm <sup>2</sup>
55/163/78
55/287/91
12
1000 V/353 A/185 mm <sup>2</sup>
8 kV/3
14...31
25...240
10...240
25...185
10...185
2 x 24 x 1 10 x 24 x 1
2 x 32 x 1 6 x 32 x 1
3 x 35 x 1
8,37...240
382
382

600 V/380 A/8...MCM 500 AWG
600 V/360 A/8...MCM 500 AWG
 Cat. No. Qty.
<b>102860</b> 4
<b>102868</b> 4
<b>102960</b> 4
<b>102865</b> 4
(M12+M16) Type Cat. No. Qty.
WTW WFF 185 <b>106740</b> 10

WQL 2 <b>106520</b> 50
WQL 3 <b>106570</b> 50

WZAF 185 <b>106640</b> 10
---------------------------

WAH 185/300 <b>106476</b> 10
WAH 185/300 BL <b>106478</b> 10
WAH 185/300 HG <b>106475</b> 10

WD 1 <b>156390</b> 5
Qty. = 5 cards with 6 lables on each


M 6x16 <b>106370</b> 20
SD <b>902450</b> -
CPSB M 12 <b>015650</b> 20

DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

**WFF 300**



630 A
55/163/86
55/287/90
16
1000 V/520 A/300 mm <sup>2</sup>
8 kV/3
25...60
50...300
25...240
50...240
25...240
2 x 40 x 1 3 x 35 x 1
6 x 40 x 1 8 x 32 x 1
8 x 40 x 1
13,3...300
520
520

600 V/500 A/6...MCM 600 AWG
600 V/510 A/6...MCM 600 AWG
 Cat. No. Qty.
<b>102870</b> 4
<b>102878</b> 4
<b>102970</b> 4
Type Cat. No. Qty.
WTW WFF 300 <b>106740</b> 10

WQL 2 <b>106530</b> 50
WQL 3 <b>106580</b> 50

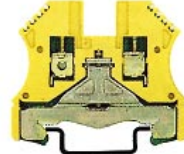
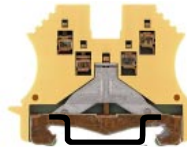
WZAF 300 <b>106650</b> 10
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WAH 185/300 <b>106476</b> 10
WAH 185/300 BL <b>106478</b> 10
WAH 185/300 HG <b>106475</b> 10

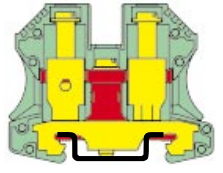
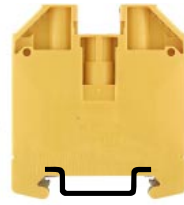
WD 1 <b>156390</b> 5
Qty. = 5 Karten mit je 6 Einzelschildern

M 6x16 <b>106370</b> 20
SD <b>902450</b> -
CPSB M 16 <b>015650</b> 20

DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

**Protective conductor terminal blocks**
**WPE 2.5N**
**WPE 1.5/ZZ**
**WPE 2.5**
**WPE 2.5/1.5/ZR**


Dimensions		WPE 2.5N	WPE 1.5/ZZ	WPE 2.5	WPE 2.5/1.5/ZR
Width/length/height (mm)	With TS 35 x 7.5	5/54/37,5	5/60/47	5/60/47	5/60/47
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	7 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	10/7 mm/M 2,5/3,5 x 0,6
<b>VDE rated data, 0611, Part 3/11.89</b> Rated voltage / current for PEN / cross-section		- V/- A/2,5 mm <sup>2</sup>	- V/- A/1,5 mm <sup>2</sup>	- V/- A/2,5 mm <sup>2</sup>	- V/- A/2,5/1,5 mm <sup>2</sup>
Rated voltage/impulse voltage/pollution severity adjacent terminal		500 V/6 kV/3	690 V/8 kV/3	800 V/8 kV/3	690 V/8 kV/3
Further technical data					
Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7
Torque setting with DMS2 electric screwdriver		1/1	1/1	1/1	1/1
Clampable conductor					
solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...2,5	0,5...4	0,5...4/2,5
stranded H07V-R	mm <sup>2</sup>	1,5...4	1,5...2,5	1,5...4	1,5...4/2,5
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...1,5	0,5...4	0,5...4/1,5
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	0,5...1,5	0,5...2,5	0,5...2,5/1,5
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...2,5 <sup>5)</sup>	0,5...1,5 <sup>5)</sup>	0,5...2,5 <sup>5)</sup>	0,5...2,5/1,5 <sup>5)</sup>
AWG conductor	No.	26...12	26...14	26...12	26...12/14
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	0,13...4 A 3	0,08...2,5 A 1	0,13...4 A 3	0,13...4/0,08...2,5 A 3/A 1
Ordering data					
	Green/yellow Wemid				
		Cat. No. Qty. <b>101620</b> 100	Cat. No. Qty. <b>101650</b> 100	Cat. No. Qty. <b>101000</b> 100	Cat. No. Qty. <b>101640</b> 100
Support block <sup>1)</sup>					
		Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10
Marking tags					
DEK	Consecutive horizontal	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -	DEK 5 <b>047346</b> -
DEK	Consecutive vertical	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -	DEK 5 <b>047356</b> -
WS	Blank	WS 12/5 <b>160986</b> -	WS 12/5 <b>160986</b> -	WS 12/5 <b>160986</b> -	WS 12/5 <b>160986</b> -
WS	Printed	WS 12/5 <b>144746</b> -	WS 12/5 <b>144746</b> -	WS 12/5 <b>144746</b> -	WS 12/5 <b>144746</b> -


**WPE 10**
**WPE 16N**
**WPE 16**
**WPE 35N**


Dimensions		WPE 10	WPE 16N	WPE 16	WPE 35N
Width/length/height (mm)	With TS 35 x 7.5	10/60/47	12/60/47	12/60/63	16/66/51
Insulation stripping length/clamping screw/screwdriver blade		12 mm/M 4/5,5 x 1,0	12 mm/M 4/5,5 x 1,0	16 mm/M 5/5,5 x 1,0	18 mm/M 6/5,5 x 1,0
<b>VDE rated data, 0611, Part 3/11.89</b> Rated voltage / current for PEN / cross-section		- V/57 A/10 mm <sup>2</sup>	- V/76 A/16 mm <sup>2</sup>	- V/76 A/16 mm <sup>2</sup>	- V/125 A/35 mm <sup>2</sup>
Rated voltage/impulse voltage/pollution severity adjacent terminal		800 V/8 kV/3	400 V/6 kV/3	800 V/8 kV/3	400 V/6 kV/3
Further technical data					
Tightening torque range	Nm	1,2...2,4/0,5...1,0*	1,2...2,4/0,5...1,0*	2,0...4,0/1,2...2,4*	2,5...5,0/1,2...2,4*
Torque setting with DMS2 electric screwdriver		3/2	-/4	-/4	-/4
Clampable conductor					
solid H07V-U	mm <sup>2</sup>	1,5...16	1,5...16	1,5...16	2,5...16
stranded H07V-R	mm <sup>2</sup>	1,5...16	1,5...25	1,5...16	2,5...50
flexible H07V-K	mm <sup>2</sup>	1,5...16	1,5...16	1,5...16	2,5...35
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	1,5...16	1,5...16	1,5...16	2,5...35
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	1,5...16	1,5...16	1,5...16	2,5...35
AWG conductor	No.	16...8	14...6	14...6	
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	1,31...16 B 6	1,5...25 B 7	1,5...25 B 7	2,5...50 B 9
Ordering data					
	Green/yellow Wemid with hexagon socket	Cat. No. Qty. <b>101030</b> 50	Cat. No. Qty. <b>101910<sup>5)</sup></b> 50	Cat. No. Qty. <b>101040</b> 50	Cat. No. Qty. <b>171774</b> 25
Support block <sup>1)</sup>					
		Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10	Type Cat. No. Qty. SH 2 <b>049492</b> 10
Marking tags					
DEK	Consecutive horizontal	WQB-PEN 10 <b>106030</b> 10	WQV 16N-PEN <b>107136<sup>6)</sup></b> 10	WQB-PEN 16 <b>106020</b> 10	WQB-PEN 35N <b>107950</b> 10
DEK	Consecutive vertical				
WS	Blank	DEK 8 <b>127696</b> -	DEK 8 <b>127696</b> -	DEK 8 <b>127696</b> -	DEK 8 <b>127696</b> -
WS	Printed	DEK 8 <b>128966</b> -	DEK 8 <b>128966</b> -	DEK 8 <b>128966</b> -	DEK 8 <b>128966</b> -
		WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -	WS 12/6,5 <b>160992</b> -
		WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -	WS 12/6,5 <b>156895</b> -



For further accessories see section 3, further marking material see section 8

<sup>1)</sup> For insulated arrangement of mounting rails in totally insulated systems  
<sup>2)</sup> Insertable link in a TN C distribution network between N terminal (WDU blue) and PE terminal (WPE)

<sup>3)</sup> Yellow side open, see fitting note, page 6/11  
<sup>4)</sup> For PEN link in conjunction with WQV 16 N, connect neutral conductor between PE and phase.

<sup>5)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310  
<sup>6)</sup> Using 35 mm<sup>2</sup> with 5 Nm tightening torque

**WDK 2.5 PE**

**WDK 2.5 DU-PE\*\***

**WPE 4**

**WPE 6**



5/69/63
10 mm/M 2,5/3,5 x 0,6
- V/- A/2,5 mm <sup>2</sup>
400 V/6 kV/3
0,4...0,7
1/1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 <sup>5)</sup>
22...12
0,13...4
A 3
Cat. No. Qty.
<b>103630</b> 100
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 8/5 <b>164074</b> -
WS 8/5 <b>158008</b> -

5/69/63
10 mm/M 2,5/3,5 x 0,6
- V/- A/2,5 mm <sup>2</sup>
400 V/6 kV/3
0,4...0,7
1/1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 <sup>5)</sup>
22...12
0,13...4
A 3
Cat. No. Qty.
<b>103640</b> 100
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 8/5 <b>164074</b> -
WS 8/5 <b>158008</b> -

6/60/47
10 mm/M 3/3,5 x 0,6
- V/- A/4 mm <sup>2</sup>
800 V/8 kV/3
0,5...1,0/0,5...1,0*
1/1
0,5...6
1,5...6
0,5...6
0,5...4
0,5...4
26...10
0,13...4
A 4
Cat. No. Qty.
<b>101010</b> 100
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
DEK 6 <b>046866</b> -
DEK 6 <b>046876</b> -
WS 12/6 <b>160990</b> -
WS 12/6 <b>144766</b> -

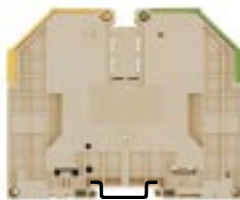
8/60/47
12 mm/M 3,5/4,0 x 0,8
- V/- A/6 mm <sup>2</sup>
800 V/8 kV/3
0,8...1,6/0,5...1,0*
3/2
0,5...6
1,5...6
0,5...10
0,5...6
0,5...6
26...8
0,5...10
A 5
Cat. No. Qty.
<b>101020</b> 100
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
DEK 8 <b>127696</b> -
DEK 8 <b>128966</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

**WPE 35**

**WPE 70N**

**WPE 70/95**

**WPE 120**



16/60/63
18 mm/M 6/5,5 x 1,0
- V/125 A/35 mm <sup>2</sup>
800 V/8 kV/3
2,5...5,0/1,2...2,4*
-/4
2,5...16
2,5...35 <sup>6)</sup>
2,5...35 <sup>6)</sup>
2,5...35 <sup>6)</sup>
2,5...35 <sup>6)</sup>
12...2
2,5...35
B 9
Cat. No. Qty.
<b>101050</b> 25
<b>101260</b> 25
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
<b>External</b>
WQB-PEN 35 <b>106010</b> 10
DEK 8 <b>127696</b> -
DEK 8 <b>128966</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

20,5/75/86
22 mm/M 8/S 6 DIN 6911
- V/192 A/70 mm <sup>2</sup>
1000 V/8 kV/3
6,0...12/2,0...4,0*
10...16
10...95
10...70
10...70
10...70
8...2/0
10...95
B 11
Cat.No. Qty.
<b>951220</b> 10
<b>in Cu only</b>
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
<b>Internal</b>
WQV 70N-PEN <b>952584</b> 5
DEK 8 <b>127696</b> -
DEK 8 <b>128966</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

27/132/108
30 mm/M 8/S 6 DIN 6911
- V/232 A/95 mm <sup>2</sup>
1000 V/8 kV/3
6,0...12/3,0...6,0*
16
16...120***
16...95***
35...95***
35...50
6...2/0
16...120
B 12
Cat.No. Qty.
<b>103730</b> 10
<b>in Cu only</b>
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
<b>Internal</b>
WQV 70/95-PEN <b>107230</b> 5
DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

32/132/118
35 mm/M 10/S 6 DIN 6911
- V/269 A/120 mm <sup>2</sup>
1000 V/8 kV/3
10...20/3,0...6,0*
-
35...150
35...150
-
-
2...MCM 250
35...150
B 13
Cat.No. Qty.
<b>101970</b> 10
<b>in Cu only</b>
Type Cat. No. Qty.
SH 2 <b>049492</b> 10
<b>Internal</b>
WQV 120-PEN <b>107240</b> 5
DEK 5 <b>047346</b> -
DEK 5 <b>047356</b> -
WS 12/6,5 <b>160992</b> -
WS 12/6,5 <b>156895</b> -

\* applies to centre screw

\*\* see also page 2/7

\*\*\* using 95 mm<sup>2</sup> and 120 mm<sup>2</sup> with 10 Nm tightening torque

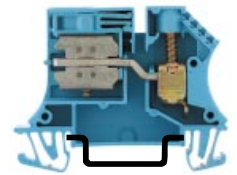
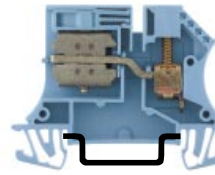
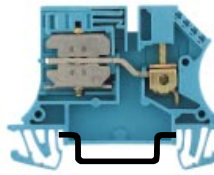
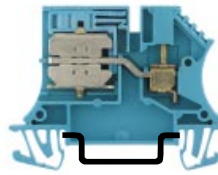
**Isolating neutral terminal blocks**

**WNT 2.5**

**WNT 4**

**WNT 6**

**WNT 10**



Max. Technical Data

Dimensions		32 A/4 mm <sup>2</sup>	41 A/6 mm <sup>2</sup>	57 A/10 mm <sup>2</sup>	76A/16 mm <sup>2</sup>
Width/length/height (mm)	With TS 35 x 7.5	5/60/47	6/60/47	8/60/47	10/60/47
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	10 mm/M 3/3,5 x 0,6	12 mm/M 3,5/4,0 x 0,8	12 mm/M 4/5,5 x 1,0
VDE rated data, 0611 Part 5 / 5.84					
Rated voltage/rated current/rated cross-section		400 V/24 A/2,5 mm <sup>2</sup>	400 V/32 A/4 mm <sup>2</sup>	400 V/41 A/6 mm <sup>2</sup>	400 V/57 A/10 mm <sup>2</sup>
Rated voltage/impulse voltage/pollution severity		400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3
Further technical data					
Tightening torque range	Nm	0,4...0,8	0,5...1,0	0,8...1,6	1,2...2,4
Torque setting with DMS2 electric screwdriver		1	2	3	4
Clampable conductor					
solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...6	0,5...10	1,5...16
stranded H07V-R	mm <sup>2</sup>	1,5...4	1,5...6	1,5...10	1,5...16
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...6	0,5...10	1,5...16
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5	0,5...4	0,5...6	1,5...16
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...2,5 <sup>1)</sup>	0,5...4	0,5...6	1,5...16
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	0,13...4	0,13...6	0,5...10	1,31...16
Continuous current rating of cross-connection 2-pole	A				
Continuous current rating of cross-connection multipole	A				

UL / CSA rated data		32 A/4 mm <sup>2</sup>	41 A/6 mm <sup>2</sup>	57 A/10 mm <sup>2</sup>	76A/16 mm <sup>2</sup>
Voltage / current / conductor size	UL	600 V/25 A/22...12 AWG	600 V/35 A/22...10 AWG	600 V/45 A/20...8 AWG	600 V/60 A/16...8 AWG
Voltage / current / conductor size	CSA	600 V/20 A/26...12 AWG	600 V/35 A/26...10 AWG	600 V/45 A/20...8 AWG	600 V/65 A/16...6 AWG

Ordering data		Version	Type	Cat. No.	Qty.
For 10x3 busbars	Blue Wemid			<b>101068</b>	100
For 10x3 busbars as equipotential bonding disconnector	beige Wemid (VDE 0107)			<b>101060</b>	100

End plate		Type	Cat. No.	Qty.
	Thickness 1.5 mm	Blue Wemid	WAP 2.5-10	<b>105008</b> 50
		Beige Wemid	WAP 2.5-10	<b>105000</b> 50

Support plate		Type	Cat. No.	Qty.
	für SSch 10 x 3	Blue Wemid	WHP 2.5-10	<b>105028</b> 20
		beige Wemid	WHP 2.5-10	<b>105020</b> 20
	Thickness 1.5 mm			
	Distance WHP-WHP max. 200 mm			

Busbar 10 x 3		Type	Cat. No.	Qty.
	Topface busbar till topface TS 35 = 25.5 mm	Cu 140 A	SSch 10 x 3 Cu	<b>034890</b> 1 m
		Ms 100 A	SSch 10 x 3 Ms	<b>025980</b> 1 m

Clamping yoke		Type	Cat. No.	Qty.
	Applied input for SSch 10 x 3	ZB 35 K	<b>050268</b>	20
	16...50 mm <sup>2</sup> stranded 16...35 mm <sup>2</sup> flexible Gauge pin to B9	ZB 35	<b>026650</b>	20

Test plug		Type	Cat. No.	Qty.
		PS 2.3	<b>018040</b>	20

End bracket		Type	Cat. No.	Qty.
		WEW 35 / 2	<b>106120</b>	50

**Using external link**  
Clampable cond. section one degree lower

Marking tags		Print	Type	Cat. No.	Qty.
DEK		Consecutive horizontal	DEK 5	<b>047346</b>	-
DEK		Consecutive vertical	DEK 5	<b>047356</b>	-
WS		Blank	WS 12/5	<b>160986</b>	-
WS		Printed	WS 12/5	<b>144746</b>	-

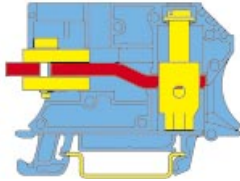
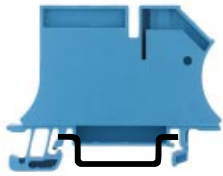
**For further accessories see section 3, further marking material see section 8**

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

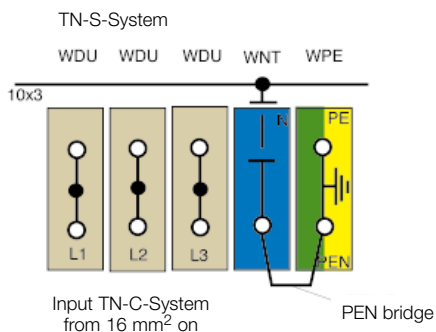
**WNT 16 N**

**WNT 35 N**

**WNT 70 N**



WNT 16 N		WNT 35 N		WNT 70 N					
- / -		- / -		207 A/95 mm <sup>2</sup>					
12/60/47		16/66/51		20,5/75/86					
12 mm/M 4/5,5 x 1,0		18mm/M 6/5,5 x 1,0		22 mm/M 8/S 6 DIN 6911					
400 V/76 A/16 mm <sup>2</sup>		400 V/125 A/35 mm <sup>2</sup>		400 V/192 A/70 mm <sup>2</sup>					
400 V/6 kV/3		400 V/6 kV/3		400 V/6 kV/3					
1,2...2,4		2,5...5		6,0...12					
4		-		-					
1,5...16		2,5...16		10...16					
1,5...25		2,5...50		10...95					
1,5...16		2,5...35		10...70					
1,5...16		2,5...35		10...70					
1,5...16		2,5...35		10...70					
1,5...25		2,5...35		10...95					
	Cat. No. Qty.		Cat. No. Qty.		Cat. No. Qty.				
	<b>101900</b> 50		<b>171855</b> 10		<b>951221</b> 10				
Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.				
WHP 2.5-10	<b>105028</b> 20	WHP 2.5-10	<b>105028</b> 20	WHP 2.5-10	<b>105028</b> 20				
SSch 10 x 3 Cu	<b>034890</b> 1 m	SSch 10 x 3 Cu	<b>034890</b> 1 m	SSch 10 x 3 Cu	<b>034890</b> 1 m				
SSch 10 x 3 Ms	<b>025980</b> 1 m	SSch 10 x 3 Ms	<b>025980</b> 1 m	SSch 10 x 3 Ms	<b>025980</b> 1 m				
ZB 35 K	<b>050268</b> 20	ZB 35 K	<b>050268</b> 20	ZB 35 K	<b>050268</b> 20				
ZB 35	<b>026650</b> 20	ZB 35	<b>026650</b> 20	ZB 35	<b>026650</b> 20				
PS 2.3	<b>018040</b> 20	PS 2.3	<b>018040</b> 20	PS 4	<b>029960</b> 20				
WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50				
WQB-PEN 16N	<b>107960</b> 10	WQB-PEN 35N	<b>107950</b> 10	WQB-PEN 70N	<b>107970</b> 10				
DEK 5	<b>047346</b> -	DEK 5	<b>047346</b> -	DEK 5	<b>047346</b> -				
DEK 5	<b>047356</b> -	DEK 5	<b>047356</b> -	DEK 5	<b>047356</b> -				
WS 12/6,5	<b>160992</b> -	WS 12/6,5	<b>160992</b> -	WS 12/6,5	<b>160992</b> -				
WS 12/6,5	<b>156895</b> -	WS 12/6,5	<b>156895</b> -	WS 12/6,5	<b>156895</b> -				



### Three-way terminal blocks for N-busbar 10 x 3

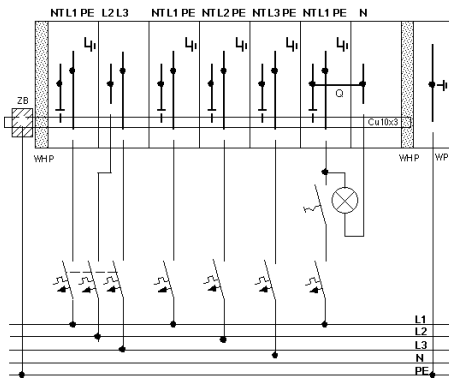
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner. Two independent terminal strips with disconnect elements and a cross-connection system of the N conductor are available:

#### WDL 2.5/S...

N cross-connection with the proven 10 x 3 mm busbar system up to 140 A. The busbar is fed by a separate clamping yoke (ZB 4-ZB 16) or an N disconnect terminal of the WNT series.

#### WDL 2.5/S/L/L

Three-phase circuits can be implemented by combining three-way terminals (L 1, N, PE) and WDL 2.5/(S/)L/L two-way terminals (L 2, L 3).



### Terminals/accessories

Max. Technical Data	
<b>Dimensions</b>	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
<b>Rated data</b>	
Rated voltage/rated current/rated cross-section	
Rated voltage/impulse voltage/pollution severity	
<b>Further technical data</b>	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	
<b>Clampable conductor</b>	
solid H07V-U	mm <sup>2</sup>
stranded H07V-R	mm <sup>2</sup>
flexible H07V-K	mm <sup>2</sup>
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size
Continuous current rating of cross-connection Q multipole	A

<b>UL / CSA rated data</b>	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
<b>Ordering data</b>	
<b>Version</b>	
for TS 35 / Wemid	

#### End plate



#### Support plate



#### Small partition for Q

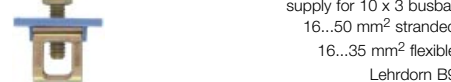
#### Cross-connection (L/N/NT)



#### Busbar 10 x 3

Topface busbar till topface TS 35 = 25,5 mm	
Cu 140 A	SSch 10 x 3 Cu <b>034890</b> 1 m
Ms 100 A	SSch 10 x 3 Ms <b>025980</b> 1 m

#### Clamping yoke



#### Neutral (N) disconnect terminals

as supply terminals

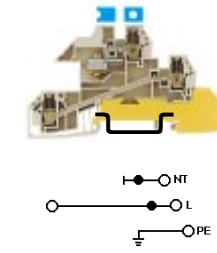
#### End bracket

#### Marking tags

DEK	Consecutive horizontal	DEK 6	<b>046866</b>	500
DEK	Consecutive vertical	DEK 6	<b>046876</b>	500

For further accessories see section 3, further marking material see section 8

### WDL 2.5/S/NT/L/PE



32 A/4 mm <sup>2</sup>
6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

<b>VDE 0611 Part 4</b>
250V/400V/24 A/2,5 mm <sup>2</sup>
250V/400 V/4 kV/3

0,4...0,7
1

0,5...4
1,5...4
0,5...4
0,25...4
0,25...4
0,13...4
24

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
<b>103060</b> 50
(NT-Connection coded blue)

#### Type Cat. No. Qty.

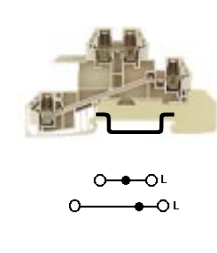
WAP WDL 2.5/S	<b>106770</b>	20
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WHP WDL 2.5/S	<b>106798</b>	20
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TSch 1	<b>031916</b>	100
--------	---------------	-----

Q 2	<b>107150</b>	50
Q 3	<b>107160</b>	50
Q 4	<b>107170</b>	50
Q 10	<b>107180</b>	20
Q 20	<b>107420</b>	20

### WDL 2.5/S/L/L



32 A/4 mm <sup>2</sup>
6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

<b>IEC 947-7-1</b>
400 V/24 A/2,5 mm <sup>2</sup>
400 V/6 kV/3

0,4...0,7
1

0,5...4
1,5...4
0,5...4
0,25...4
0,25...4
0,13...4
24

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
<b>103120</b> 50

#### Type Cat. No. Qty.

WAP WDL 2.5/S	<b>106770</b>	20
---------------	---------------	----

WHP WDL 2.5/S	<b>106798</b>	20
---------------	---------------	----

TSch 1	<b>031916</b>	100
--------	---------------	-----

Q 2	<b>107150</b>	50
Q 3	<b>107160</b>	50
Q 4	<b>107170</b>	50
Q 10	<b>107180</b>	20
Q 20	<b>107420</b>	20

**WDL 2.5/S-Blöcke**  
for one three-phase circuit  
for three AC circuits



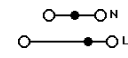
**WDL 2.5/S/N**



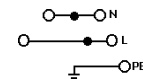
**WDL 2.5/S/L**



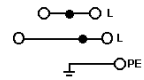
**WDL 2.5/S/  
N/L**









**WDL 2.5/S/  
N/L/PE**



**WDL 2.5/S/  
L/L/PE**



32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>		32 A/4 mm <sup>2</sup>	
12/18/84,5/48,7		6/84,5/48,7		6/84,5/48,7		6/84,5/48,7		6/84,5/48,7		6/84,5/48,7	
8 mm/M 2,5/3,5 x 0,6		8 mm/M 2,5/3,5 x 0,6		8 mm/M 2,5/3,5 x 0,6		8 mm/M 2,5/3,5 x 0,6		8 mm/M 2,5/3,5 x 0,6		8 mm/M 2,5/3,5 x 0,6	
250V/400V/24 A/2,5 mm <sup>2</sup>		<b>IEC 947-1</b> 400 V/24 A/2,5 mm <sup>2</sup>		<b>IEC 947-1</b> 400 V/24 A/2,5 mm <sup>2</sup>		<b>IEC 947-1</b> 400 V/24 A/2,5 mm <sup>2</sup>		250V/400V/24 A/2,5 mm <sup>2</sup>		250V/400V/24 A/2,5 mm <sup>2</sup>	
250V/400V/4 kV/3		400 V/6 kV/3		400 V/6 kV/3		400 V/6 kV/3		250V/400 V/4 kV/3		250V/400 V/4 kV/3	
0,4...0,7		0,4...0,7		0,4...0,7		0,4...0,7		0,4...0,7		0,4...0,7	
1		1		1		1		1		1	
0,5...4		0,5...4		0,5...4		0,5...4		0,5...4		0,5...4	
1,5...4		1,5...4		1,5...4		1,5...4		1,5...4		1,5...4	
0,5...4		0,5...4		0,5...4		0,5...4		0,5...4		0,5...4	
0,25...4		0,25...4		0,25...4		0,25...4		0,25...4		0,25...4	
0,25...4		0,25...4		0,25...4		0,25...4		0,25...4		0,25...4	
0,13...4		0,13...4		0,13...4		0,13...4		0,13...4		0,13...4	
A 3		A 3		A 3		A 3		A 3		A 3	
24		24		24		24		24		24	
300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG	
300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG	
 Cat. No. Qty. <b>103410</b> 25		 Cat. No. Qty. <b>103090</b> 50		 Cat. No. Qty. <b>103130</b> 50		 Cat. No. Qty. <b>103080</b> 50		 Cat. No. Qty. <b>103070</b> 50		 Cat. No. Qty. <b>103110</b> 50	
Block of each <b>103060 + 103120</b>		(NT-Connection coded blue)				(NT-Connection coded blue)		(NT-Connection coded blue)		(NT-Connection coded blue)	
Block of three <b>103060</b>											
Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.
WAP WDL 2.5/S	<b>106770</b> 20	WAP WDL 2.5/S	<b>106770</b> 20	WAP WDL 2.5/S	<b>106770</b> 20	WAP WDL 2.5/S	<b>106770</b> 20	WAP WDL 2.5/S	<b>106770</b> 20	WAP WDL 2.5/S	<b>106770</b> 20
WHP WDL 2.5/S	<b>106798</b> 20										
TSch 1	<b>031916</b> 100	TSch 1	<b>031916</b> 100	TSch 1	<b>031916</b> 100	TSch 1	<b>031916</b> 100	TSch 1	<b>031916</b> 100	TSch 1	<b>031916</b> 100
Q 2	<b>107150</b> 50	Q 2	<b>107150</b> 50	Q 2	<b>107150</b> 50	Q 2	<b>107150</b> 50	Q 2	<b>107150</b> 50	Q 2	<b>107150</b> 50
Q 3	<b>107160</b> 50	Q 3	<b>107160</b> 50	Q 3	<b>107160</b> 50	Q 3	<b>107160</b> 50	Q 3	<b>107160</b> 50	Q 3	<b>107160</b> 50
Q 4	<b>107170</b> 50	Q 4	<b>107170</b> 50	Q 4	<b>107170</b> 50	Q 4	<b>107170</b> 50	Q 4	<b>107170</b> 50	Q 4	<b>107170</b> 50
Q 10	<b>107180</b> 20	Q 10	<b>107180</b> 20	Q 10	<b>107180</b> 20	Q 10	<b>107180</b> 20	Q 10	<b>107180</b> 20	Q 10	<b>107180</b> 20
Q 20	<b>107420</b> 20	Q 20	<b>107420</b> 20	Q 20	<b>107420</b> 20	Q 20	<b>107420</b> 20	Q 20	<b>107420</b> 20	Q 20	<b>107420</b> 20
SSch 10 x 3 Cu	<b>034890</b> 1 m										
SSch 10 x 3 Ms	<b>025980</b> 1 m										
ZB 35 K	<b>050268</b> 50										
WNT 10	<b>101098</b> 50										
WNT 16 N	<b>101900</b> 50										
WNT 70 N	<b>951221</b> 10										
WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50	WEW 35 / 2	<b>106120</b> 50
DEK 6	<b>046866</b> 500	DEK 6	<b>046866</b> 500	DEK 6	<b>046866</b> 500	DEK 6	<b>046866</b> 500	DEK 6	<b>046866</b> 500	DEK 6	<b>046866</b> 500
DEK 6	<b>046876</b> 500	DEK 6	<b>046876</b> 500	DEK 6	<b>046876</b> 500	DEK 6	<b>046876</b> 500	DEK 6	<b>046876</b> 500	DEK 6	<b>046876</b> 500

### Three-way terminal blocks with N-cross-connection WQV

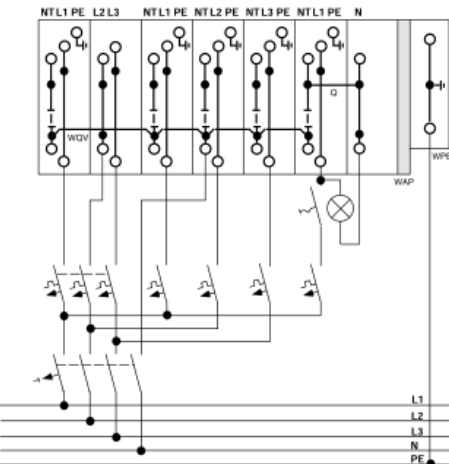
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. The WDL three-way terminal block meets these requirements. Circuits can be connected on three levels across a width of only 6 mm in a clear and space-saving manner. Two independent terminal strips with disconnect elements and a cross-connection system of the N conductor are available:

#### WDL 2.5...

N cross-connection via the WQV 4 cross-connection system from the W series. The supply power is fed directly via a clamping yoke in the terminal.

#### WDL 2.5/L/L

Three-phase circuits can be implemented by combining three-way terminals (L 1, N, PE) and WDL 2.5/L/L two-way terminals (L 2, L 3).



### Terminals/accessories

Max. Technical Data	
<b>Dimensions</b>	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
<b>Rated data</b>	
Rated voltage/rated current/rated cross-section	
Rated voltage/impulse voltage/pollution severity	
<b>Further technical data</b>	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	
<b>Clampable conductor</b>	
solid H07V-U	mm <sup>2</sup>
stranded H07V-R	mm <sup>2</sup>
flexible H07V-K	mm <sup>2</sup>
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size
Continuous current rating of cross-connection Q multipole	A
Continuous current rating of cross-connection WQV 4 multipole	A
<b>UL / CSA rated data</b>	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
<b>Ordering data</b>	<b>Version</b>
	for TS 35 / Wemid

#### End plate



#### Small partition for Q...



#### Cross-connection (L, NT, N)



#### Cross-connection\* Input (L, NT, N)



#### Notching tool for WQV



#### End bracket

#### Marking tags

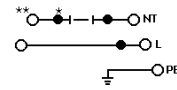


	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS DEK	Printed

For further accessories see section 3, further marking material see section 8

\* Cross-connection WQV 4  
\*\* Connection 4/6 mm<sup>2</sup> / A4

### WDL 2.5/NT/L/PE



29 A/4 mm<sup>2</sup>

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

#### VDE 0611 Part 4

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>

250V/400 V/4 kV/3

0,4...0,7

1

0,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,13...4

24

29 (Center supply 40A)

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

Cat. No. Qty.

**102980** 50

(NT-Connection coded blue)

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

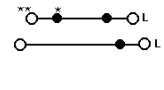
DEK 6 **046866** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **158008** -

### WDL 2.5/L/L



31 A/4 mm<sup>2</sup>

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

#### IEC 947-7-1

400 V/24 A/2,5/4\*\* mm<sup>2</sup>

400 V/6 kV/3

0,4...0,7

1

0,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

A 3/A 4\*\*

24

31

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

Cat. No. Qty.

**103030** 50

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **158008** -



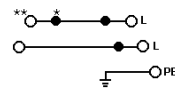
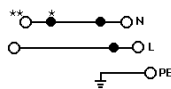
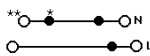
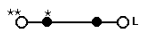
**WDL 2.5/N**

**WDL 2.5/L**

**WDL 2.5/N/L**

**WDL 2.5/N/L/PE**

**WDL 2.5/L/L/PE**



32 A/4 mm<sup>2</sup>

32 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

31 A/4 mm<sup>2</sup>

6/90/48,7

6/90/48,7

6/90/48,7

6/90/48,7

6/90/48,7

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

8 mm/M 2,5/3\*\*/3,5 x 0,6

**IEC 947-7-1**

**IEC 947-7-1**

**IEC 947-7-1**

**IEC 947-7-1**

**IEC 947-7-1**

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

400 V/24 A/2,5/4\*\* mm<sup>2</sup>  
400 V/6 kV/3

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>  
250V/400 V/4 kV/3

250V/400V/24 A/2,5/4\*\* mm<sup>2</sup>  
250V/400 V/4 kV/3

0,4...0,7

0,4...0,7

0,4...0,7

0,4...0,7

0,4...0,7

1

1

1

1

1

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

1,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/6\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

0,5...4/4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

A 3/A 4\*\*

24

24

24

24

24

32

32

31

31 (Center supply 40A)

31

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/15 A/22...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG


300 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG

 Cat. No. Qty.  
**103010** 50

 Cat. No. Qty.  
**103040** 50

 Cat. No. Qty.  
**103000** 50

 Cat. No. Qty.  
**102990** 50

 Cat. No. Qty.  
**103020** 50

(NT-Connection coded blue)

(NT-Connection coded blue)

(NT-Connection coded blue)

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 2 **107150** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 3 **107160** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 4 **107170** 50

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 10 **107180** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

Q 20 **107420** 20

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/2 **105196** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/3 **105456** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/4 **105466** 50

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WQV 4/10 **105206** 20

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046866** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

DEK 6 **046876** 500

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **164074** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

WS 8/5 **158008** -

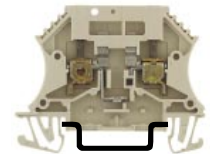
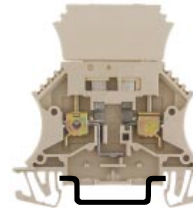
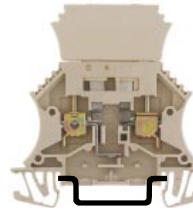
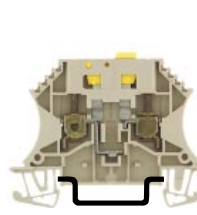
## Disconnect test terminal blocks

## WTR 2.5

## WTR 2.5 D with diode plug

## WTR 2.5 D with StB with diode plug and 2.3 socket

## WTR 2.5 without disconnecter



### Max. Technical Data

Dimensions	
Width/length/height (mm)	mit TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage VDE 0110/1.89 / pollution severity	

### Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	

### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...4
stranded H07V-R	mm <sup>2</sup>	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...2,5 <sup>1)</sup>
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1	Size
Continuous current rating of cross-connection 2-pole	A	
Continuous current rating of cross-connection multipole	A	

### UL / CSA rated data

Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

### Ordering data

Version			
Wemid	no StB	<b>101110</b>	100
Wemid	2 StB 2.3**	<b>101120</b>	100
Blue Wemid	no StB	<b>101118</b>	100
Blue Wemid	2 StB 2.3**	<b>101128</b>	100
Wemid	2 StB 2.0**	<b>101300</b>	100
Orange PA		<b>101116</b>	100

16 A/1,5 mm <sup>2</sup>	
5/60/49	
10 mm/M 2,5/3**/3,5 x 0,6	
800 V/16* A/2,5 mm <sup>2</sup>	
8 kV/3	
0,4...0,8/0,5...1,0**	
1/2**	
0,5...4	
1,5...4	
0,5...2,5	
0,5...2,5	
0,5...2,5 <sup>1)</sup>	
0,13...4	A 3
26	
300 V/10 A/22...12 AWG	
300 V/10 A/26...12 AWG	

16 A/1,5 mm <sup>2</sup>	
5/60/49 + 18 für WSD	
10 mm/M 2,5/3,5 x 0,6	
500 V/16* A/2,5 mm <sup>2</sup>	
6 kV/3	
0,4...0,8	
1	
0,5...4	
1,5...4	
0,5...2,5	
0,5...2,5	
0,5...2,5 <sup>1)</sup>	
0,13...4	A 3
26	
300 V/10 A/22...12 AWG	
300 V/10 A/26...12 AWG	

16 A/1,5 mm <sup>2</sup>	
5/60/49 + 18 für WSD	
10 mm/M 3/3,5 x 0,6	
500 V/16* A/2,5 mm <sup>2</sup>	
6 kV/3	
0,5...1,0	
2	
0,5...4	
1,5...4	
0,5...2,5	
0,5...2,5	
0,5...2,5 <sup>1)</sup>	
0,13...4	A 3
26	
300 V/10 A/22...12 AWG	
300 V/10 A/26...12 AWG	

16 A/1,5 mm <sup>2</sup>	
5/60/49	
10 mm/M 2,5/3**/3,5 x 0,6	
800 V/16* A/2,5 mm <sup>2</sup>	
8 kV/3	
0,4...0,8/0,5...1,0**	
1/2**	
0,5...4	
1,5...4	
0,5...2,5	
0,5...2,5	
0,5...2,5 <sup>1)</sup>	
0,13...4	A 3
26	
300 V/10 A/22...12 AWG	
300 V/10 A/26...12 AWG	

### End plate / partition

WAP (Thickness 1,5 mm)	Wemid		
Wemid			
Blue Wemid			
WAP	Wemid		

### Cross-connection

QL 2-10			
VQB			
PS			
Cross-connection plug (2-pole, ø 2,3)			

### Notching tool

To notch the punch-out in the terminal moulding for cross-connections

### Screwdriver

SDIK			
SDIK für StB			

### Diode plug (spare)

With wire link			
Without special components			

### Marking tags

DEK	Consecutive horizontal		
DEK	Consecutive vertical		
WS	Blank		
WS DEK	Printed		

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

### Type

WAP 2.5-10	<b>105000</b>	50
WAP 2.5-10 BL	<b>105008</b>	50
WTW 2.5-10	<b>105010</b>	20

QL 2	<b>021580</b>	100
QL 3	<b>021590</b>	100
QL 4	<b>021600</b>	50
QL 10	<b>033800</b>	20
BS-M 2,5x4,5	<b>106270</b>	100
PS 2.3 (ø 2,3)	<b>018040</b>	20
PS 2.0 (ø 2,0)	<b>029380</b>	20
WDS 2	<b>106990</b>	20

### WQB B/24

<b>157906</b>	20
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### WAW 2

<b>900451</b>	-
---------------	---

### SDIK für StB

<b>902493</b>	
---------------	--

WSD 2.5	<b>105846</b>	25
WSD 2.5	<b>105856</b>	25
WSD 2.5	<b>105866</b>	25
WSD 2.5	<b>105876</b>	25

### Type

WAP 2.5-10	<b>105000</b>	50
WAP 2.5-10 BL	<b>105008</b>	50
WTW 2.5-10	<b>105010</b>	20

QL 2	<b>021580</b>	100
QL 3	<b>021590</b>	100
QL 4	<b>021600</b>	50
QL 10	<b>033800</b>	20
BS-M 2,5x4,5	<b>106270</b>	100
PS 2.3 (ø 2,3)	<b>018040</b>	20
PS 2.0 (ø 2,0)	<b>029380</b>	20

### WQB B/24

<b>157906</b>	20
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### WAW 2

<b>900451</b>	-
---------------	---

### SDIK für StB

<b>902493</b>	
---------------	--

WSD 2.5	<b>105846</b>	25
WSD 2.5	<b>105856</b>	25
WSD 2.5	<b>105866</b>	25
WSD 2.5	<b>105876</b>	25

### Type

WAP 2.5-10	<b>105000</b>	50
WAP 2.5-10 BL	<b>105008</b>	50
WTW 2.5-10	<b>105010</b>	20

QL 2	<b>021580</b>	100
QL 3	<b>021590</b>	100
QL 4	<b>021600</b>	50
QL 10	<b>033800</b>	20
BS-M 2,5x4,5	<b>106270</b>	100
PS 2.3 (ø 2,3)	<b>018040</b>	20
PS 2.0 (ø 2,0)	<b>029380</b>	20

### WQB B/24

<b>157906</b>	20
---------------	----

### WAW 2

<b>900451</b>	-
---------------	---

### SDIK für StB

<b>902493</b>	
---------------	--

WSD 2.5	<b>105846</b>	25
WSD 2.5	<b>105856</b>	25
WSD 2.5	<b>105866</b>	25
WSD 2.5	<b>105876</b>	25

### Type

WAP 2.5-10	<b>105000</b>	50
WAP 2.5-10 BL	<b>105008</b>	50
WTW 2.5-10	<b>105010</b>	20

QL 2	<b>021580</b>	100
QL 3	<b>021590</b>	100
QL 4	<b>021600</b>	50
QL 10	<b>033800</b>	20
BS-M 2,5x4,5	<b>106270</b>	100
PS 2.3 (ø 2,3)	<b>018040</b>	20
PS 2.0 (ø 2,0)	<b>029380</b>	20

### WQB B/24

<b>157906</b>	20
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### WAW 2

<b>900451</b>	-
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### SDIK für StB

<b>902493</b>	
---------------	--

WSD 2.5	<b>105846</b>	25
WSD 2.5	<b>105856</b>	25
WSD 2.5	<b>105866</b>	25
WSD 2.5	<b>105876</b>	25

**WTR 2.5/ZZ**

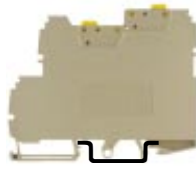
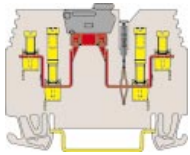
**WDTR 2.5**

**WDTR 2.5/WE**

**WDL 2.5TR-DU-PE**

**WDL 2.5TR-DU**

**SAKC 4/35**



WTR 2.5/ZZ		WDTR 2.5		WDTR 2.5/WE		WDL 2.5TR-DU-PE		WDL 2.5TR-DU		SAKC 4/35	
14 A/1,5 mm <sup>2</sup>		10 A/1,5 mm <sup>2</sup>		10 A/1,5 mm <sup>2</sup>		29 A/4 mm <sup>2</sup>		31 A/4 mm <sup>2</sup>			
5/60/49		6,2/94/69		6,2/81/69		6/90/48,7		6/90/48,7		6,5/49,5/42,5/59,5	
7 mm/M 3/3,5 x 0,6		8 mm/M 3/3,5 x 0,6		8 mm/M 3/3,5 x 0,6		8 mm/M 2,5/3**/3,5 x 0,6		8 mm/M 2,5/3**/3,5 x 0,6		12 mm/M 3/3,5 x 0,6	
400 V/14* A/2,5 mm <sup>2</sup>		400 V/13* A/2,5 mm <sup>2</sup>		400 V/10* A/2,5 mm <sup>2</sup>		250V/400V/24 A/2,5/4** mm <sup>2</sup>		400 V/24 A/2,5/4** mm <sup>2</sup>		400 V/25 A/4 mm <sup>2</sup>	
6 kV/3		4 kV/3		4 kV/3		250V/400 V/4 kV/3		400 V/6 kV/3		6 kV/3	
0,5...0,6		0,5...0,6		0,5...0,6		0,4...0,7		0,4...0,7		0,5...1,0/0,5 StB	
2		2		2		1		1		2/1	
0,5...4		0,5...4		0,5...4		0,5...4		0,5...4		0,5...6	
1,5...4		1,5...4		1,5...4		1,5...4		1,5...4		1,5...4	
0,5...2,5		0,5...2,5		0,5...2,5		0,5...4		0,5...4		0,5...4	
0,5...2,5		0,5...2,5		0,5...2,5		0,5...4		0,5...4		0,5...4	
0,5...2,5 <sup>1)</sup>		0,5...2,5		0,5...2,5		0,5...4		0,5...4		0,5...4	
0,13...4	A 3	0,13...4	A 3	0,13...4	A 3	0,13...4	A 3	0,13...4	A 3		A 4
24		24		24		20		20		10	
300 V/10 A/22...12 AWG***		300 V/10 A/22...12 AWG***		300 V/10 A/22...12 AWG***		300 V/15 A/22...12 AWG		300 V/15 A/22...12 AWG		300 V/-/22...12 AWG	
300 V/10 A/26...12 AWG***		300 V/10 A/26...12 AWG***		300 V/10 A/26...12 AWG***		300 V/10 A/26...12 AWG		300 V/10 A/26...12 AWG		300 V/25 A/22...10 AWG	
Cat. No. Qty.		Cat. No. Qty.		Cat. No. Qty.		Cat. No. Qty.		Cat. No. Qty.		Cat. No. Qty.	
2 StB 2,3**	103990 100	952807	25	952809	25	102981	50	102982	50	KrG	035756 50
2 StB 2,3**	103998 100	952808	25	952810	25					KrG 2StB 2,3	035766 50
Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.
WAP WTR2.5/ZZ	107460 20					WAP WDL 2.5	106780 20	WAP WDL 2.5	106780 20	AP	017760 20
WAP WTR2.5/ZZ	107468 20									TW(1.5)	013016 20
										TW(1.0)	029710 20
ZQV 2.5/2	160886 60	QVB 1.5/50 BL	163328 5	QVB 1.5/50 BL	163328 5	Q 2	107150 50	Q 2	107150 50	QB 2	048270 100
ZQV 2.5/3	160887 60	QVB 1.5/50 RT	163329 5	QVB 1.5/50 RT	163329 5	Q 3	107160 50	Q 3	107160 50	QB 3	048280 50
ZQV 2.5/4	160888 60	QVB 1.5/50 SW	163512 5	QVB 1.5/50 SW	163512 5	Q 4	107170 50	Q 4	107170 50	QB 4	048290 50
ZQV 2.5/5	160889 20					Q 10	107180 20	Q 10	107180 20	Q 25 Blank	013400 20
ZQV 2.5/6	160890 20					Q 20	107420 20	Q 20	107420 20		
ZQV 2.5/7	160891 20					WQV 4/2	105196 50	WQV 4/2	105196 50		
ZQV 2.5/8	160892 20					WQV 4/3	105456 50	WQV 4/3	105456 50		
ZQV 2.5/9	160893 20					WQV 4/4	105466 50	WQV 4/4	105466 50		
ZQV 2.5/10	160894 20					WQV 4/10	105206 20	WQV 4/10	105206 20	PS 2.3 (ø 2,3)	018040 20
PS 2.3 (ø 2,3)	018040 20	PS 2.3 (ø 2,3)	018040 20	PS 2.3 (ø 2,3)	018040 20	WAW 1	900450 1	WAW 1	900450 1		
SDIK für StB	902493	SDIK für StB	902493	SDIK für StB	902493						
WSD 2.5	105846 25	WSD 2.5	105846 25	WSD 2.5	105846 25						
WSD 2.5	105856 25	WSD 2.5	105856 25	WSD 2.5	105856 25						
WSD 2.5	105866 25	WSD 2.5	105866 25	WSD 2.5	105866 25						
WSD 2.5	105876 25	WSD 2.5	105876 25	WSD 2.5	105876 25						
DEK 5	047346 -	DEK 6.5	046816 -	DEK 6.5	046816 -	DEK 6	046866 500	DEK 6	046866 500	DEK 6,5	046816 -
DEK 5	047356 -	DEK 6.5	046826 -	DEK 6.5	046826 -	DEK 6	046876 500	DEK 6	046876 500	DEK 6,5	046826 -
WS 8/5	164074 -	WS 12/6	160990 -	WS 12/6	160990 -	WS 8/5	164074 -	WS 8/5	164074 -		
WS 8/5	158008 -	WS 12/6	144766 -	WS 12/6	144766 -	WS 8/5	158008 -	WS 8/5	158008 -		

\*\*\* applied for

**Disconnect test terminal blocks**

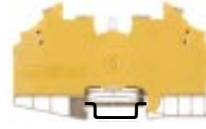
**WDT 1.5/1**  
with space saving TOP-con-  
nection

**WDT 1.5/2**  
with space saving TOP-con-  
nection

**WDT 1.5/3**  
with space saving TOP-con-  
nection



for further technical  
Informationen see Page 2/25



for further technical  
Informationen see Page 2/25



for further technical  
Informationen see Page 2/25

Max. Technical Data

Dimensions					
Width/length/height (mm)	mit TS 35 x 7,5	6,5/112/67	6,5/112/67	6,5/112/67	
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	
Rated data					
Rated voltage/rated current/rated cross-section		250 V/10 A/1,5 mm <sup>2</sup>	250 V/10 A/1,5 mm <sup>2</sup>	250 V/10 A/1,5 mm <sup>2</sup>	
Rated impulse voltage VDE 0110/1.89 / pollution severity		4 kV/3	4 kV/3	4 kV/3	
Further technical data					
Tightening torque range	Nm	0,4...0,8	0,4...0,8	0,4...0,8	
Torque setting with DMS2 electric screwdriver		1	1	1	
Clampable conductor					
solid H07V-U	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...2,5	
stranded H07V-R	mm <sup>2</sup>	1,5...2,5	1,5...2,5	1,5...2,5	
flexible H07V-K	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	0,13...2,5 A 2	0,13...2,5 A 2	0,13...2,5 A 2	
Continuous current rating of cross-connection 2-pole	A				
Continuous current rating of cross-connection multipole	A				
UL / CSA rated data					
Voltage / current / conductor size	UL	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	
Voltage / current / conductor size	CSA	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	
Ordering data		Version	Cat. No.	Qty.	
		Wemid			
		Wemid			
		Blue Wemid			
		Blue Wemid			
		Wemid			
		Dark beige/yellow Wemid	<b>101580</b>	25	
		Beige/yellow PA	<b>101586</b>	25	
		Blue/hellblau PA			
		Orange PA			

Test plug		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	PS	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20

Marking tags		Print			
DEK	Consecutive horizontal	DEK 6.5	<b>046816</b>	-	DEK 6.5 <b>046816</b> -
DEK	Consecutive vertical	DEK 6.5	<b>046826</b>	-	DEK 6.5 <b>046826</b> -
WS	Blank	WS 8/5	<b>164074</b>	-	WS 8/5 <b>164074</b> -
WS DEK	Printed	WS 8/5	<b>158008</b>	-	WS 8/5 <b>158008</b> -

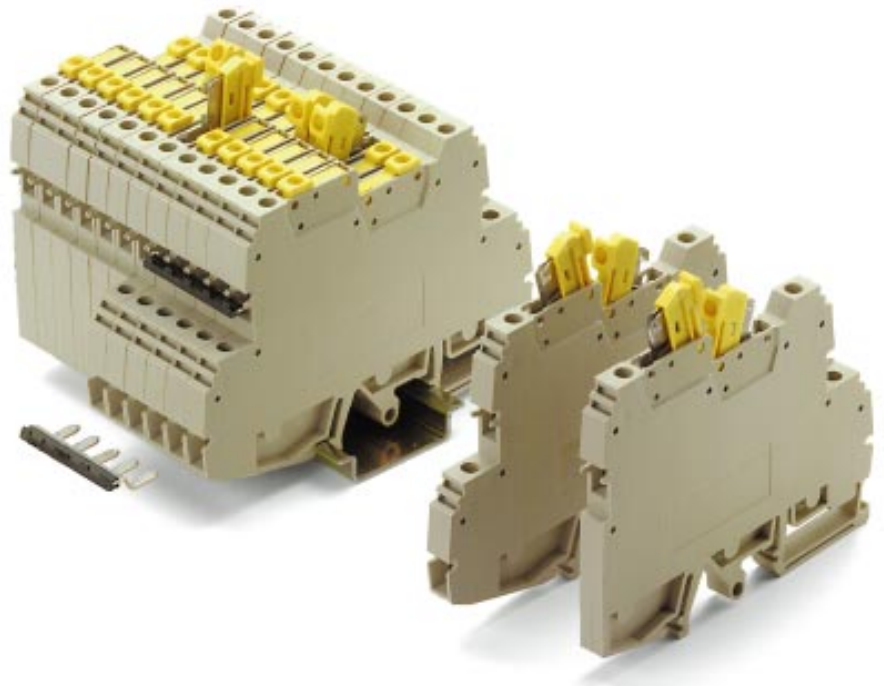
For further accessories see section 3, further marking material see section 8

1) Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

**WDTR 2.5**  
**WDTR 2.5/WE**  
**Dual disconnect test terminal blocks**  
**W series**

The compact WDTR 2.5 enables the disconnection of one and two pole signal wires.

- 1 space-saving construction, only 6.2 mm wide
- 1 quick and easy cross-connection thanks to clip-on external cross-connections
- 1 reduction in accessories due to dual shell construction
- 1 test point via plug socket
- 1 Top SD operable disconnecter
- 1 identification of disconnection level using raised portion
- 1 continuous temperature of Wemid insulating material 120 °C
- 1 flammability V0 according to UL 94



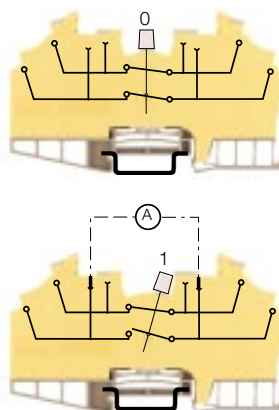
WDTR 2.5 and WDTR 2.5/WE dual disconnect test terminal blocks can be found on page 2/23.

**Switching examples**  
**WDT 1.5/...**  
**Disconnect test terminals**  
**W series**

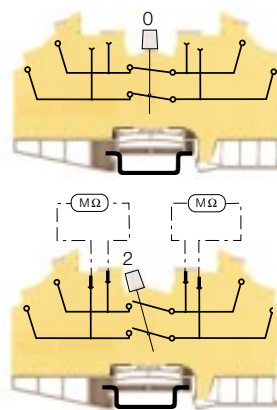
The WDT 1.5 enables the disconnection of one and two pole signal wires. By simply operating the selection switch, insulation and current measurements can be performed.

- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks to dual shell enclosed terminal carrier

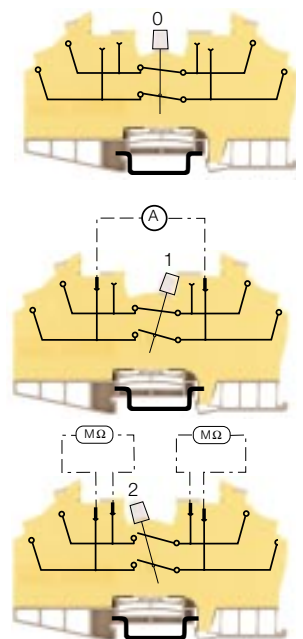
**WDT 1.5/1**  
with space-saving TOP connection



**WDT 1.5/2**  
with space-saving TOP connection

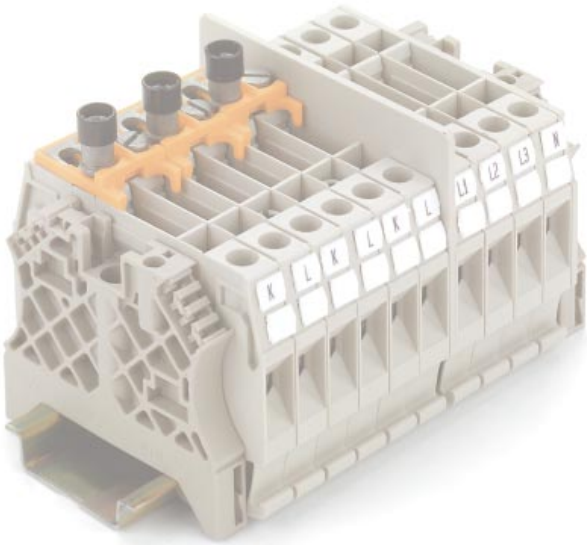


**WDT 1.5/3**  
with space-saving TOP connection



WDT 1.5/... disconnect test terminal blocks can be found on page 2/23.

Testing - Made easy  
 WTL 6/1/STB  
 WTQ 6/1  
 WTD 6/1

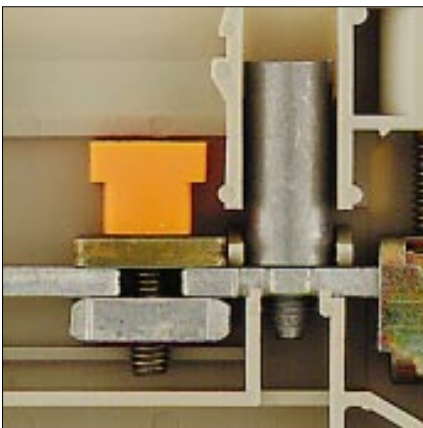


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

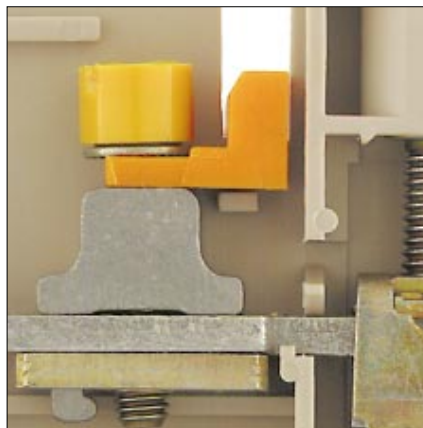
Various easy and cost-effective wiring solutions

can be solved with the lateral disconnect terminals WTL 6/1, the feed-through terminals WTD 6/1 and the cross-disconnect terminals WTQ 6/1, and with the help of the functionally designed accessories.

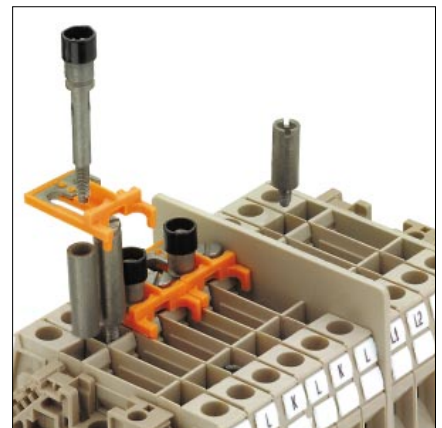
Examples: simple current transformer circuits, transformer test sets, etc.



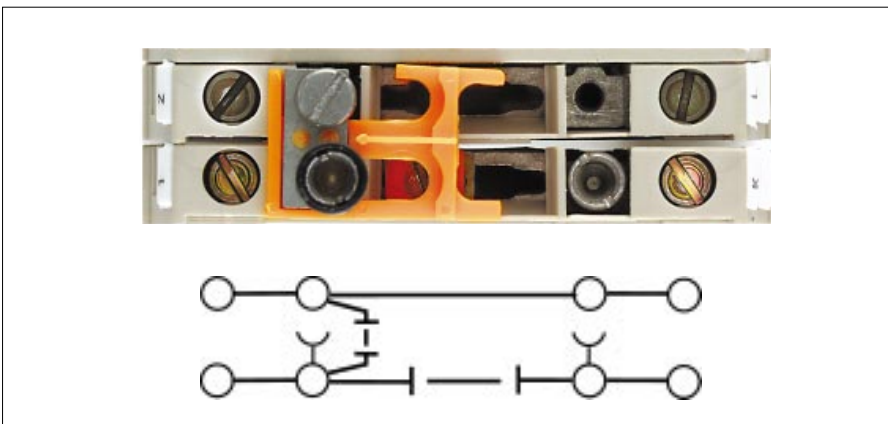
Slide linck that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

# The New Generation of Current Transformer Terminals

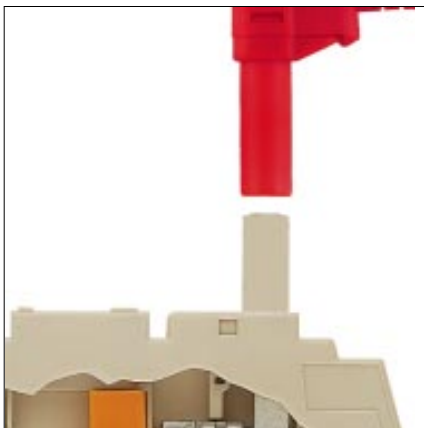
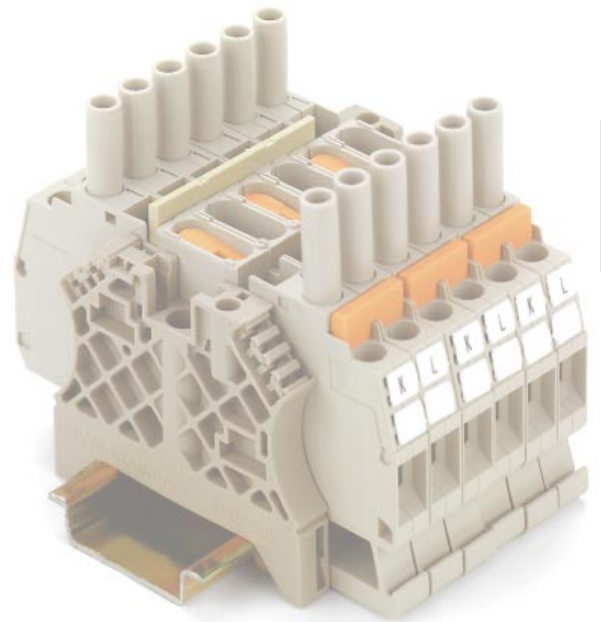
WTL 6/2

WTL 6/3/STB

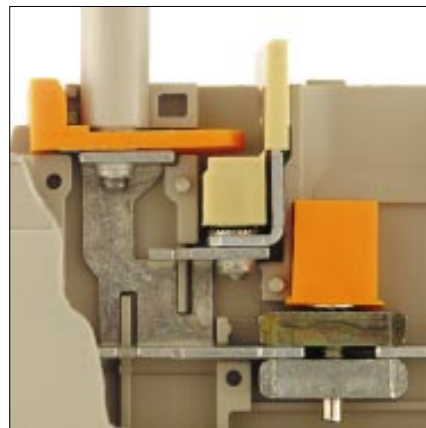
All circuits found in practice can be realised with WTL6/2 terminals (only one basic version) and only a few accessory parts.

The cross-connection sliders are designed to be safe from finger-contact. The installation of two additional cross-connections for the K-point distribution is possible. These are standard cross-connections, WQV 6/..., of the W-series that enable individual terminals to be skipped.

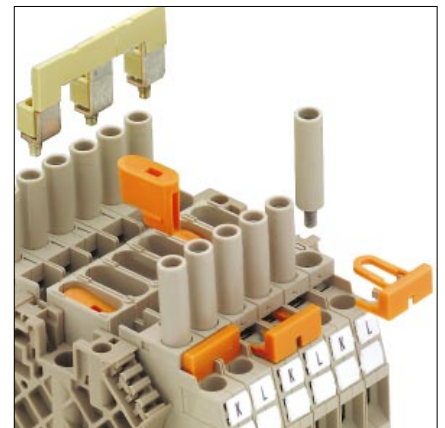
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.



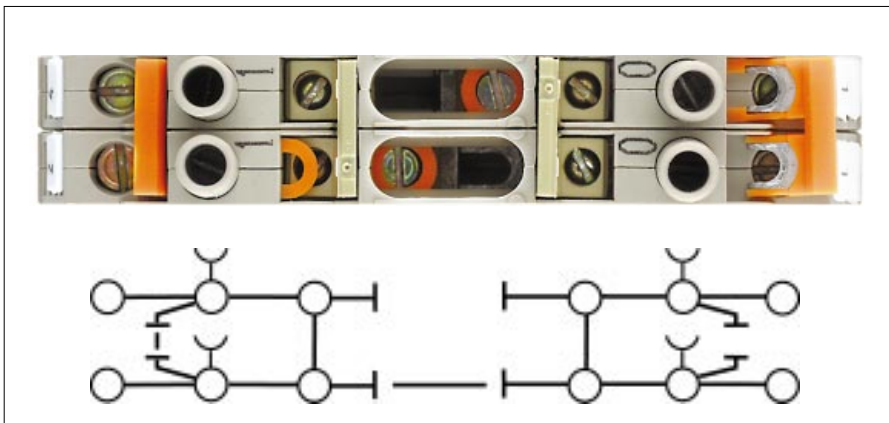
Testing points that are protected against finger-touch to VBG 4



Compact construction: Slide link, cross-connection, cross-connection slider



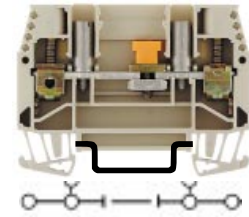
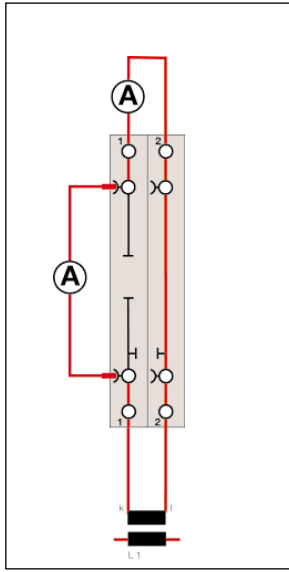
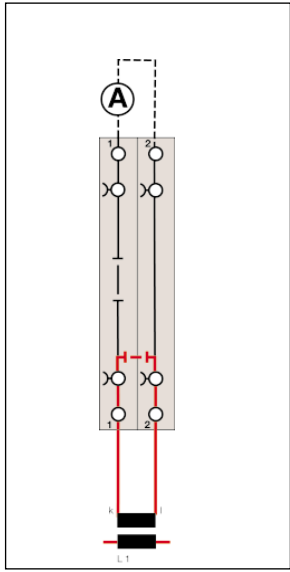
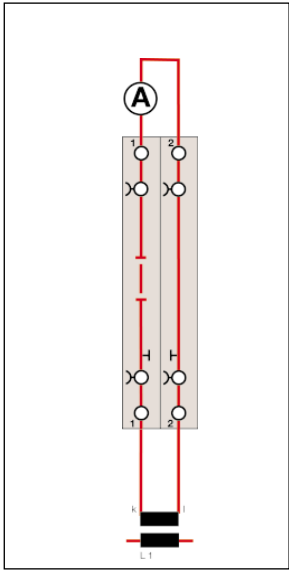
Optimised accessories for all circuit variants



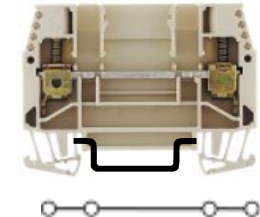
2 cross-connections sliders and 2 cross-connections per terminal



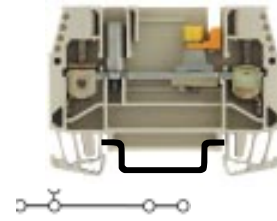
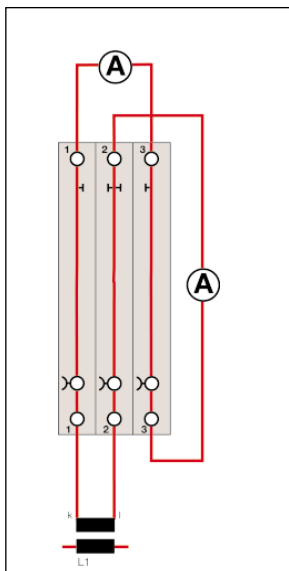
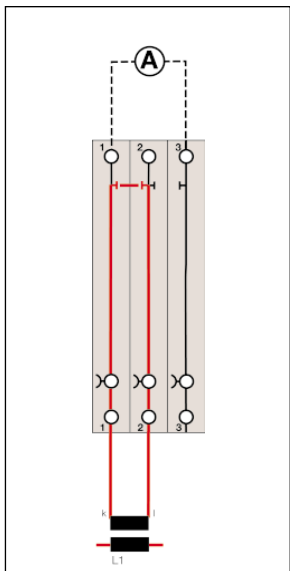
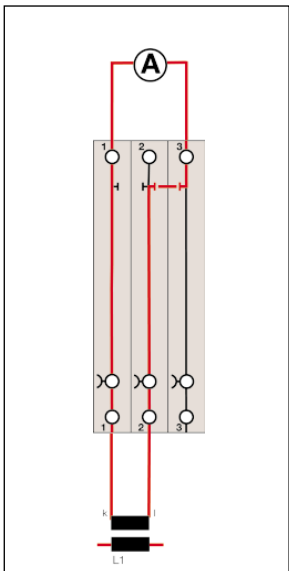
2 DEK-labels per connection point



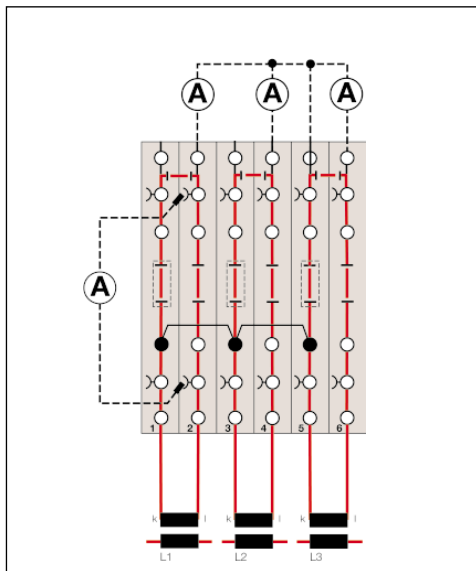
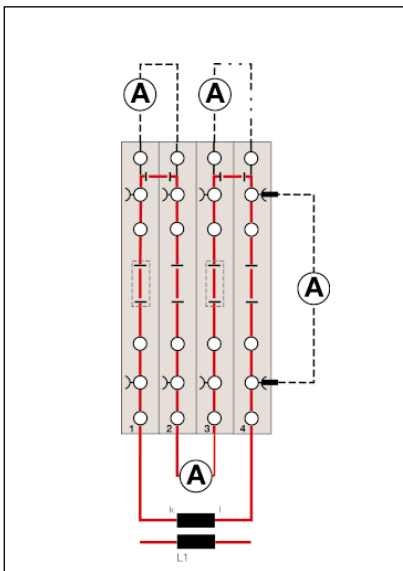
WTL 6/1/STB



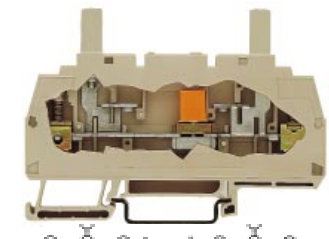
WTD 6/1



WTQ 6/1



WTL 6/2



WTL 6/3/STB



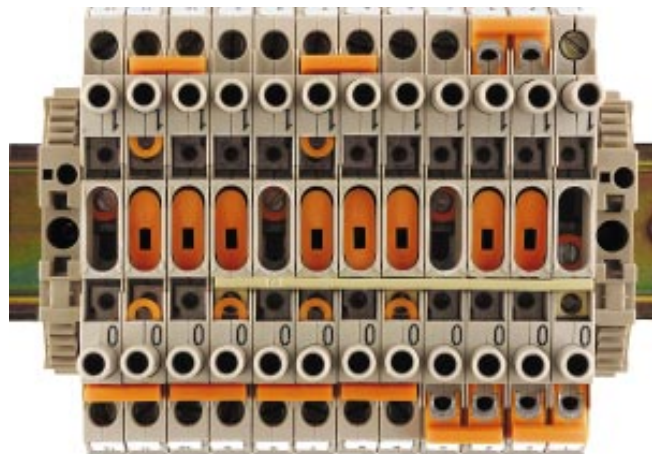
**Three-phase  
Current Transformer Circuit  
with WTL 6/3/STB**



**Three-phase Current Transformer  
Circuit with 12 WTL 6/3/STB**

**Requirement**

1. The K-point must be routed together from the transformers to the measurement terminal set, so that only 4 wires are required.
2. 3 ammeters or relays (network protection) must be switchable in series for each phase
3. The current flowing via the K-point must be able to be measured with control measurement devices during operation.
4. It must be possible to disconnect the ammeters individually, without operating the transformer open-circuit. All remaining measurement devices must remain in operation without any change.
5. It must be possible to »daisychain« control measurement devices and transducing sensors for each phase; these devices may be connected with the help of test plugs.



**Solution**

With 12 WTL 6/3/STB disconnect test terminal blocks, a three-phase current transformer circuit can be realised with 3 ammeters that are connected in series.

**L1 Residual Current Measurement**

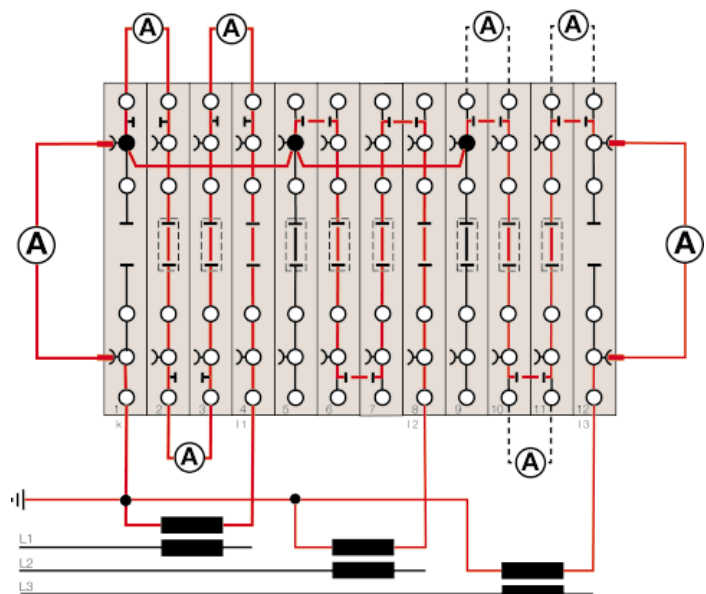
Ammeter hard-wired =>  
Cross-connection slider opened  
Control ammeter connected =>  
Slide link opened

**L2 Transformer Short-Circuit**

Cross-connection slider closed =>  
Ammeter disconnected

**L-3 Control Measurement by External  
Ammeter**

Control ammeter connected =>  
Slide link opened  
3 cross-connection sliders closed =>  
3 ammeter disconnected



## Disconnect test terminal blocks

Current transformers must always have a closed, secondary circuit, even when exchanging measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

Various easy and clear wiring solutions can be found using lateral disconnect terminals WTL 6/1, feed-through terminals WTD 6/1 and cross-disconnect terminals WTQ 6/1.

Examples:

Simple current transformer circuits

Measurement transformer test sets.

With one basic version, the WTL 6/2 can fulfill all circuit tasks occurring in practice as a lateral disconnect terminal. The short-circuit slides are of shock-proof design. Two short-circuit slides can be installed.

The WTL 6/3 is identical in function with the WTL 6/2 and is suitable for safety plug use due to its test socket StB 19.1 which is safe from finger-touch. Coloured sockets can be obtained for WTL 6/3.

### Meter test set with WTL 6/1

Combination of lateral disconnect terminal and feed-through terminal (example)

## WTL 6/1/STB

## WTD 6/1



Max. Technical Data

#### Dimensions

Width/length/height (mm) mit TS 35 x 7,5

Insulation stripping length/clamping screw/screwdriver blade

#### Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89 / pollution severity

#### Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

#### Clampable conductor

solid H07V-U mm<sup>2</sup>

stranded H07V-R mm<sup>2</sup>

flexible H07V-K mm<sup>2</sup>

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

flexible H07V-K and AEH with plastic insul. collar mm<sup>2</sup>

Max. Clamping Range in mm<sup>2</sup> Gauge pin to 947-1 Size

Continuous current rating of cross-connection 2...5 -pole A

Continuous current rating of cross-connection 6...10 -pole A

#### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

#### Ordering data

With Socket Wemid

Without Socket Wemid

#### End plate / partition

Thickness 1,5 mm

#### Small partition

#### Cross-connections

QL 2 2-pole

QL 3 3-pole

QL 4 4-pole

QL 10 10-pole

BS M 3x20 Cu

VH 12

QVS 2

QVSK 2

QVS 3

QVS 4

BS 25 blank

VH 19

#### Socket

Socket Type StB 25 accepts test plug PS 4 in Type WTL 6/1 disconnect terminals or Type QS cross-connection plugs. The Type StB 35 is used for simultaneous testing with inserted cross-connection slides (QVS).

#### Disconnect lock

Prevents undesired opening of the disconnect

#### Test plug



#### Marking tags

DEK Consecutive horizontal

DEK Consecutive vertical

WS Blank

WS DEK Printed

57 A/10 mm<sup>2</sup>

8/65/48,2

12 mm/M 3,5/3/4,0 x 0,8

500 V\*\*/41 A/6 mm<sup>2</sup>

6 kV/3

0,8...1,6/0,4...0,8\*

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

(QL 2...5) 47

(QL 6...10) 36

600 V/45 A/20...8 AWG

300 V/45 A/20...8 AWG

Cat. No. Qty.

101690 50

101670 50

Type Cat. No. Qty.

WAP WTL 106830 20

WTW WTL 106840 20

TSch 2 035366 100

QL 2 019430 50

QL 3 019440 50

QL 4 019450 50

QL 10 033830 20

BS M 3x20 Cu 037710 100

VH 12 024900 100

QVS 2 030730 20

QVSK 2 167036 20

QVS 3 032930 20

QVS 4 030740 20

BS 25 blank 033470 100

VH 19 031800 100

StB 25 GE 026720 50

StB 25 GN 027120 50

StB 25 VI 027130 50

StB 35 GE 038900 50

StB 35 GN 038890 50

StB 35 VI 038910 50

StB 14 016990 50

SSP 3 053176 100

PS 4 029960 20

DEK 8 127696 -

DEK 8 128966 -

WS 12/6,5 160992 -

WS 12/6,5 156895 -

57 A/10 mm<sup>2</sup>

8/65/48,2

12 mm/M 3,5/3/4,0 x 0,8

400 V/41 A/6 mm<sup>2</sup>

6 kV/3

0,8...1,6/0,4...0,8\*

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

(QL 2...5) 47

(QL 6...10) 36

600 V/45 A/20...8 AWG

300 V/45 A/20...8 AWG

Cat. No. Qty.

101710 50

Type Cat. No. Qty.

WAP WTL 106830 20

WTW WTL 106840 20

TSch 2 035366 100

QL 2 019430 50

QL 3 019440 50

QL 4 019450 50

QL 10 033830 20

BS M 3x20 Cu 037710 100

VH 12 024900 100

QVS 2 030730 20

QVSK 2 167036 20

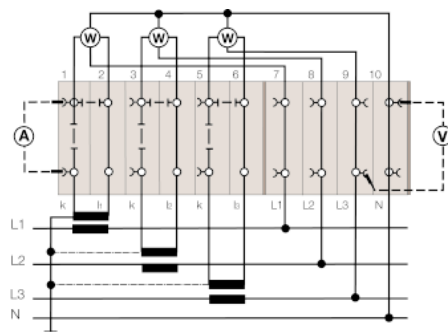
QVS 3 032930 20

QVS 4 030740 20

BS 25 blank 033470 100

VH 19 031800 100

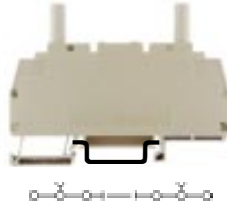
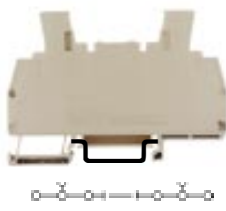
\* Disconnect element \*\* 400 V as disconnect terminal block



**WTQ 6/1**

**WTL 6/2**

**WTL 6/3/STB**



57 A/10 mm<sup>2</sup>  
8/65/48,2  
12 mm/M 3,5/3\*/4,0 x 0,8

57 A/10 mm<sup>2</sup>  
8/87/61,8  
-M 3,5/3\*/4,0 x 0,8

57 A/10 mm<sup>2</sup>  
8/87/61,8  
-M 3,5/3\*/4,0 x 0,8

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

400 V/41 A/6 mm<sup>2</sup>  
6 kV/3

0,8...1,6/0,4...0,8\*  
3

0,8...1,6/0,4...0,8\*  
3

0,8...1,6/0,4...0,8\*  
3

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
(QL 2...5) 47  
(QL 6...10) 36

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
63  
63

0,5...10  
1,5...10  
0,5...10  
0,5...6  
0,5...6  
0,5...10 A 5  
63  
63

600 V/45 A/20...8 AWG  
300 V/45 A/20...8 AWG

600 V/45 A/20...8 AWG  
300 V/45 A/20...8 AWG

600 V/45 A/20...8 AWG  
-

Type	Cat. No.	Qty.
	<b>101810</b>	50
	<b>101790</b>	50
Type	Cat. No.	Qty.
WAP WTL	<b>106830</b>	20
WTW WTL	<b>106840</b>	20

Type	Cat. No.	Qty.
	<b>101770</b>	50
Type	Cat. No.	Qty.

Type	Cat. No.	Qty.
	<b>101860</b>	50
	<b>101880</b>	50
Type	Cat. No.	Qty.

TSch 2 **035366** 100

QL 2	<b>019430</b>	50
QL 3	<b>019440</b>	50
QL 4	<b>019450</b>	50
QL 10	<b>033830</b>	20
BS M 3x20 Cu	<b>037710</b>	100
VH 12	<b>024900</b>	100
WKB 1/2	<b>160428</b>	50
WKB 1/3	<b>160430</b>	50
WKB 1/4	<b>160432</b>	50
WKB 1/10	<b>160433</b>	20

WKS 1/2	<b>160427</b>	50
WKS 1/3	<b>160429</b>	50
WKS 1/4	<b>160431</b>	50
WQV 6/2	<b>105236</b>	50
WQV 6/3	<b>105476</b>	50
WQV 6/4	<b>105486</b>	50
WQV 6/10	<b>105226</b>	20

WKS 1/2	<b>160427</b>	50
WKS 1/3	<b>160429</b>	50
WKS 1/4	<b>160431</b>	50
WQV 6/2	<b>105236</b>	50
WQV 6/3	<b>105476</b>	50
WQV 6/4	<b>105486</b>	50
WQV 6/10	<b>105226</b>	20

StB 14 **016990** 50

StB 21.6/IH/VI **107103** 50  
StB 21.6/IH/GN **107102** 50  
StB 21.6/IH/GE **107101** 50  
StB 21.6/IH/BE **107100** 50

Safety plug supplier:  
Multi-Contact Deutschland GmbH,  
Postf. 1606, 79551 Weil a. Rhein

SSP 3 **053176** 100

SSP WTL 6/2 **160420** 100

SSP WTL 6/2 **160420** 100

PS 4 **029960** 20

PS 4 **029960** 20

PS 4 **029960** 20

DEK 8 **127696** -  
DEK 8 **128966** -  
WS 12/6,5 **160992** -  
WS 12/6,5 **156895** -

DEK 8 **127696** -  
DEK 8 **128966** -  
WS 12/6,5 **160992** -  
WS 12/6,5 **156895** -

DEK 8 **127696** -  
DEK 8 **128966** -  
WS 12/6,5 **160992** -  
WS 12/6,5 **156895** -

\* Disconnect element

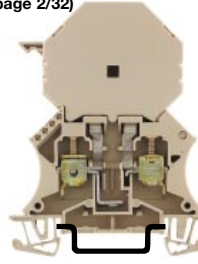


**WSI 6/2<sup>1)</sup>** with LED  
for V AC/V DC inch fuses  
(see note in first column of  
page 2/32)



10 A/-
12/60/79
12 mm/M 3,5/4,0 x 0,8
500 V/6,3 A <sup>2)</sup> /6 mm <sup>2</sup>
6 kV/3
0,8...1,6
3
0,5...10
1,5...10
0,5...10
0,5...6
0,5...6
0,5...10
A 5
26
600 V/16 A/20...8 AWG
10-220 V/16 A/20...8 AWG
┌ Cat. No. Qty.
14 V-/-10-28 V- <b>101410</b> 25
15-30 V-/-30-60 V- <b>101420</b> 25
40-60 V-/-80-120 V- <b>101430</b> 25
110 V-/-220 V- <b>101440</b> 25
Type Cat. No. Qty.
WAP <b>105000</b> 50
WTW 2.5-10 <b>105010</b> 20
Install partition after last WSI 6
QL 2 <b>047070</b> 50
QL 3 <b>047080</b> 50
QL 4 <b>047090</b> 50
QL 10 <b>047100</b> 20
BS-M 3x5 <b>105210</b> 100
PS 2.3 <b>018040</b> 20
WAW 2 <b>900451</b> -
Fuse cartridges
1/4"x 1 1/4"(6.3 x 32)
Rated voltage 440 V
E 2 A <b>029450</b> 10
E 3 A <b>029570</b> 10
E 5 A <b>029460</b> 10
E 7 A <b>029580</b> 10
E 10 A <b>029390</b> 10

**WSI 6/2<sup>1)</sup>** with 2 LEDs  
for V DC inch fuses only  
(see note in first column of  
page 2/32)



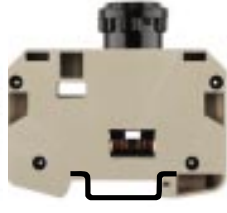
10 A/-
12/60/79
12 mm/M 3,5/4,0 x 0,8
500 V/6,3 A <sup>2)</sup> /6 mm <sup>2</sup>
6 kV/3
0,8...1,6
3
0,5...10
1,5...10
0,5...10
0,5...6
0,5...6
0,5...10
A 5
26
600 V/16 A/20...8 AWG
24 V/16 A/20...8 AWG
┌ Cat. No. Qty.
24 V- <b>101450</b> 25
Type Cat. No. Qty.
WAP <b>105000</b> 50
WTW 2.5-10 <b>105010</b> 20
Install partition after last WSI 6
QL 2 <b>047070</b> 50
QL 3 <b>047080</b> 50
QL 4 <b>047090</b> 50
QL 10 <b>047100</b> 20
BS-M 3x5 <b>105210</b> 100
PS 2.3 <b>018040</b> 20
WAW 2 <b>900451</b>
Fuse cartridges
1/4"x 1 1/4"(6.3 x 32)
Rated voltage 440 V
E 2 A <b>029450</b> 10
E 3 A <b>029570</b> 10
E 5 A <b>029460</b> 10
E 7 A <b>029580</b> 10
E 10 A <b>029390</b> 10

**SAKS 4/35**  
for D 01-fuse **E 14**



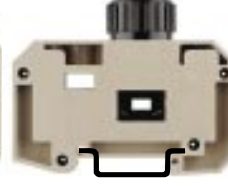
24/75/66
14 mm/M 4/5,5 x 1
400 V- <sup>4)</sup> /16 A/10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10
0,33...16
B 6
(QL 2...5) 47
(QL 6...10) 36
600 V/30 A/22...8 AWG
┌ Cat. No. Qty.
Wemid beige KrG <b>050180</b> 20
Neozed D 01
Type Cat. No. Qty.
QL 2 <b>032800</b> 20
QL 3 <b>032810</b> 20
QL 4 <b>032820</b> 20
QL 10 <b>033900</b> 20
BS M 4x9 <b>010330</b> 100
SS M 4 <b>013640</b> 100
Fuse cartridges D 01
Rated voltage 380 V
E 14/2 <b>013740</b> 10
E 14/4 <b>013750</b> 10
E 14/6 <b>032830</b> 10
E 14/10 <b>032840</b> 10
E 14/16 <b>032850</b> 10
Gauge rings
P 14/2 <b>013800</b> 50
P 14/4 <b>013810</b> 50
P 14/6 <b>032860</b> 50
P 14/10 <b>032870</b> 50
Screw cap (spare)
SK <b>033941</b> 20

**SAKS 2/35**  
for D-fuse **E 16**



28/80/75
12 mm/M 4/5,5 x 1
500 V-/-10 (25) A <sup>5)</sup> /10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
0,5...10
0,5...10
0,5...10
0,33...16
B 6
(QL 2...5) 47
(QL 6...10) 36
600 V/25 A/22...8 AWG
┌ Cat. No. Qty.
Wemid beige KrG <b>136870</b> 20
Diazed E 16
Type Cat. No. Qty.
QL 2 <b>020780</b> 20
QL 3 <b>020790</b> 20
QL 4 <b>020800</b> 20
QL 10 <b>033890</b> 20
BS M 4x9 <b>010330</b> 100
SS M 4 <b>013640</b> 100
Fuse cartridges D
Rated voltage 380 V
E 10 A <b>020850</b> 25
E 16 A <b>020860</b> 25
E 20 A <b>020870</b> 25
E 25 A <b>020880</b> 25
Gauge rings
P 16/10 <b>020890</b> 100
P 16/16 <b>020900</b> 100
P 16/20 <b>020910</b> 100
Screw cap (spare)
SK <b>028411</b> 20

**SAKS 5/35**  
for D 02-fuse **E 18**

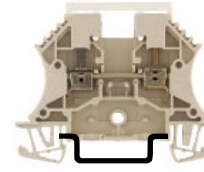


28/80/66
13 mm/M 4/5,5 x 1
400 V- <sup>4)</sup> /63 A/16 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
1,5...16
1,5...16
1,5...16
1,5...16
1,5...16
B 7
(QL 2...5) 47
(QL 6...10) 36
600 V/63 A/14...6 AWG
┌ Cat. No. Qty.
Wemid beige KrG <b>050210</b> 20
Neozed D 02
Type Cat. No. Qty.
QL 2 <b>020780</b> 20
QL 3 <b>020790</b> 20
QL 4 <b>020800</b> 20
QL 10 <b>033890</b> 20
BS M 4x9 <b>010330</b> 100
SS M 4 <b>013640</b> 100
Fuse cartridges D 02
Rated voltage 500 V
E 18/20 <b>036130</b> 10
E 18/25 <b>036140</b> 10
E 18/35 <b>036150</b> 10
E 18/50 <b>036160</b> 10
E 18/63 <b>036170</b> 10
Gauge rings
P 18/20 <b>036180</b> 50
P 18/25 <b>036190</b> 50
P 18/35 <b>036200</b> 50
P 18/50 <b>036210</b> 50
Screw cap (spare)
SK <b>035931</b> 20

<sup>4)</sup> Also for 440 V- with Neozed-marine fuse  
<sup>5)</sup> Current for overload up to 10 A, for short-current up to 25 A

## Terminal blocks for temperature measuring circuits

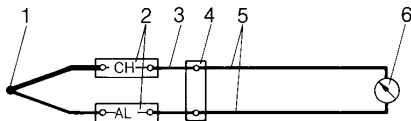
## WDU 2.5/TC



Weidmüller thermocouple terminals are specially designed to transmit very small voltages in temperature measuring circuits. Special busbars ensure that no false signals are transmitted in the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine performance test rigs, complicated chemical processes, controllers, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Stacking width: 10 mm

### Configuration of a temperature measuring circuit



- 1 Thermocouple (sensor)
- 2 Thermocouple terminals
- 3 Compensating conductor
- 4 Reference junction
- 5 Supply conductors (to and from)
- 6 Measuring instrument

The thermocouple terminals shown in this measuring circuit thermoelectrically transmit thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature circuit.

### Technical data

Thermocouples to IEC 584 (DIN 43710)

Busbar	
	Cromel-Alumel
	Copper-Constantan
	Iron-Constantan
	E-Copper/A-Copper
	S-Copper/E-Copper
	Cromel-Constantan

### Max. Technical Data

Dimensions	
Width/length/height (mm)	mit TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	10 mm/M 2,5/3,5 x 0,6
Rated data	
Rated voltage/rated current/rated cross-section	-/-/2,5 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89 / pollution severity	
Further technical data	
Tightening torque range	Nm 0,4...0,8
Torque setting with DMS2 electric screwdriver	1
Clampable conductor	
solid H07V-U	mm <sup>2</sup> 0,5...2,5
stranded H07V-R	mm <sup>2</sup> 1,5...2,5
flexible H07V-K	mm <sup>2</sup> 0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup> 0,5...2,5
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup> 0,5...2,5
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size 0,13...4
Continuous current rating of cross-connection 2-pole	A
Continuous current rating of cross-connection multipole	A

### UL / CSA rated data

Voltage / current / conductor size	UL 300 V/20 A/22...12 AWG
Voltage / current / conductor size	CSA -

### Ordering data

	Version
for Thermocouples	Type K NiCr - Ni
to IEC 584	Type T Cu - CuNi
(DIN 43710)	Type J Fe - CuNi
	Type S u. R Pt 10% - Pt Rh/PT 13% - Pt Rh
	Type B Pt 30% Rh - Pt 6% Rh
	Type E NiCr - CuNi

### End plate / partition

Type	Cat. No.	Qty.
WAP (Thickness 1,5 mm)	Wemid	WAP 2.5-10 105000 50
WTW (Thickness 1,5 mm)	Wemid	WTW 2.5-10 105010 20

### Marking tags

DEK	Print
	Consecutive horizontal DEK 5 047346 -
	Consecutive vertical DEK 5 047356 -
WS	Blank WS 12/5 160986 -
WS DEK	Printed WS 12/5 144746 -

For further accessories see section 3, further marking material see section 8

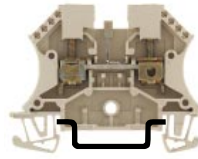
## Feed-through terminals with WSA plug adaptor

## WDU 4 SA

## Feed-through terminals

for retrofitting electronic components

## WPO 4



Max. Technical Data

Dimensions		6/60/47	
Width/length/height (mm)	With TS 35 x 7,5		
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 3/3,5 x 0,6	
Rated data			
Rated voltage/rated current/rated cross-section		400 V/34 A/4 mm <sup>2</sup>	
Rated impulse voltage VDE 0110/1.89 / pollution severity		6 kV/3	
Further technical data			
Tightening torque range	Nm	0,5...1,0	
Torque setting with DMS2 electric screwdriver		2	
Clampable conductor			
solid H07V-U	mm <sup>2</sup>	0,5...6	
stranded H07V-R	mm <sup>2</sup>	1,5...6	
flexible H07V-K	mm <sup>2</sup>	0,5...4	
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...4	
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	0,13...6 A 4	
Continuous current rating of cross-connection 2-pole	A		
Continuous current rating of cross-connection multipole	A		
UL / CSA rated data			
Voltage / current / conductor size	UL	300 V/25 A/22...12 AWG	
Voltage / current / conductor size	CSA	300 V/-/22...12 AWG	
Ordering data		Type	Cat. No. Qty.
			<b>102110</b> 100
		blue	<b>102118</b> 100

Max. Technical Data

Dimensions		6/60/47	
Width/length/height (mm)	With TS 35 x 7,5		
Insulation stripping length/clamping screw/screwdriver blade		9 mm/M 3/3,5 x 0,6	
Rated data IEC 947-7-1			
Rated voltage/rated current/rated cross-section		250 V/32 A/4 mm <sup>2</sup>	
Rated impulse voltage VDE 0110/1.89 / pollution severity		4 kV/3	
Further technical data			
Tightening torque range	Nm	0,5...1,0	
Torque setting with DMS2 electric screwdriver		2	
Clampable conductor			
solid H07V-U	mm <sup>2</sup>	0,5...4	
stranded H07V-R	mm <sup>2</sup>	1,5...4	
flexible H07V-K	mm <sup>2</sup>	0,5...4	
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	0,5...4	
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1 Size	0,13...4 A 3	
Wire diameter electrical component	mm	0,8...1,0 mm	
UL / CSA rated data			
Voltage / current / conductor size	UL	300 V/10 A/26...12 AWG	
Voltage / current / conductor size	CSA		
Ordering data		Type	Cat. No. Qty.
		Wemid	<b>103600</b> 50

### End plate

Type	Cat. No.	Qty.
WAP (Thickness 1,5 mm)	<b>105000</b>	50
WAP 2.5-10	<b>105008</b>	50

### Partition

Type	Cat. No.	Qty.
WTW (Thickness 1,5 mm)	<b>105010</b>	20
WTW 2.5-10	<b>105018</b>	20

### Cross-connection

Type	Cat. No.	Qty.
WQV Screen lug LS 2.8		
LS 2.8	<b>105640</b>	50

### Plug adaptor WSA 2

Version	Color	Cat. No.	Qty.
380 V-/10 A/1,5 mm <sup>2</sup> Version with crimp connection	Green	WSA 2 <sup>1)</sup>	<b>050236</b> <sup>3)</sup> 20
		WSA 2 <sup>2)</sup>	<b>052976</b> <sup>3)</sup> 20
		WSA 2 <sup>2)</sup>	<b>052965</b> <sup>3)</sup> 20
		WSA 2 <sup>2)</sup>	<b>052956</b> <sup>4)</sup> 20
Version with screw connection TOP-system	Green	WSA 2 TOP <sup>1)</sup>	<b>133396</b> <sup>3)</sup> 20
		WSA 2 TOP <sup>2)</sup>	<b>133386</b> <sup>3)</sup> 20
		WSA 2 TOP <sup>2)</sup>	<b>133405</b> <sup>3)</sup> 20
		WSA 2 TOP <sup>2)</sup>	<b>133376</b> <sup>4)</sup> 20

### Covers

Quantity	Cat. No.	Qty.
3	AH 2/3	<b>053166</b> 20
4	AH 2/4	<b>040536</b> 20
5	AH 2/5	<b>040556</b> 20
8	AH 2/8	<b>040576</b> 20
10	AH 2/10	<b>040596</b> 20
12	AH 2/12	<b>040616</b> 20

### Crimp contact 0.5-1.5 mm<sup>2</sup>

Type	Cat. No.	Qty.
Individual	C 1 E/L*	<b>019850</b> 200
Continuous strip on reel	C 1 R/L	<b>019900</b> -

### Marking tags

Marking tags	Print	Cat. No.	Qty.
DEK	Consecutive horizontal	DEK 6	<b>046866</b> -
DEK	Consecutive vertical	DEK 6	<b>046876</b> -
WS	Blank	WS 12/6	<b>160990</b> -
WS DEK	Printed	WS 12/6	<b>144766</b> -

See Section 5 for mounting rails, end brackets, additional marking materia 5

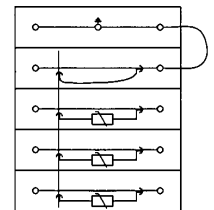
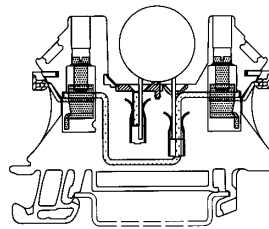
\* Crimping tool  
 1) With hook 2) Without hook 3) With dovetail 4) Without dovetail 5) Without pin 6) With pin 7) With spring 8) Without spring

### Barrier

Type	Cat. No.	Qty.
Thickness 2,5 mm	ZR	<b>107110</b> 20

### Busbar

Type	Cat. No.	Qty.
SSch 7.3x1.2	<b>107120</b>	1 m



WPO 4 with fitted varistor

Weidmüller varistor terminals have been designed for retrofitting electronic components, e.g. varistors, diodes, gas discharge tubes, etc. These electronic terminals no longer have to be configured prior installation to subsequently be delivered with soldered components which can no longer be distinguished. The significant advantages of this new design are

#### Cost saving

- Components can be changed quickly on site.
- Service is limited to visual inspection

#### Clarity:

- Components are easy to distinguish.

#### Flexibility:

- Components can immediately be adapted to changed conditions

#### Note:

- Never change electronic components in energised systems

### Marking tags

Marking tags	Print	Cat. No.	Qty.
DEK	Consecutive horizontal	DEK 6	<b>046866</b> -
DEK	Consecutive vertical	DEK 6	<b>047356</b> -
WS	Blank	WS 12/6	<b>160990</b> -
WS DEK	Printed	WS 12/6	<b>144766</b> -

Overvoltages in a three-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

## Feed-through terminal blocks for BLA/BLZ connectors

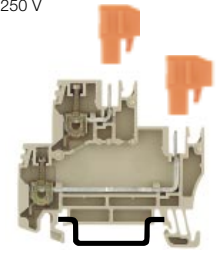


### WDU 1.5/BLA

### WDU 1.5/LD/BLA with red LED

### WDU 1.5/R/BLA Negative return conductor in blue

### WDK 2.5/BLA R 5.08 250 V



#### Max. Technical Data

Dimensions		5,08/45,4/57,5*/45,0/55,5*		5,08/45,4/57,5*/45,0/55,5*		5,08/45,4/57,5*/45,0/55,5*		5,08/58/53/63,5*				
Width/length/height (mm)	With TS 35 x 7,5	10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		12 mm/M 2,5/3,5 x 0,6				
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		12 mm/M 2,5/3,5 x 0,6				
Rated data		250 V/10 (2x8) A/1,5 mm <sup>2</sup>		- V/10 (2x8) A/1,5 mm <sup>2</sup>		- V/- A/1,5 mm <sup>2</sup>		250 V/17,5 <sup>2)</sup> A/2,5 mm <sup>2</sup>				
Rated impulse voltage VDE 0110/1.89 / pollution severity		4 kV/3		4 kV/3		4 kV/3		4 kV/3				
Further technical data		0,4...0,8		0,4...0,8		0,4...0,8		0,4...0,8				
Tightening torque range	Nm	1		1		1		1				
Torque setting with DMS2 electric screwdriver		1		1		1		1				
Clampable conductor		0,5...4/2,5		0,5...4/2,5		0,5...4/2,5		0,5...4/2,5				
solid H07V-U	mm <sup>2</sup>	1,5...2,5/1,5		1,5...2,5/1,5		1,5...2,5/1,5		1,5...2,5/1,5				
stranded H07V-R	mm <sup>2</sup>	0,5...2,5/1,5		0,5...2,5/1,5		0,5...2,5/1,5		0,5...2,5/1,5				
flexible H07V-K	mm <sup>2</sup>	0,5...2,5/1,5 <sup>1)</sup>		0,5...2,5/1,5 <sup>1)</sup>		0,5...2,5/1,5 <sup>1)</sup>		0,5...2,5/1,5 <sup>1)</sup>				
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,13...4		0,13...4		0,13...4		0,13...4				
flexible H07V-K and AEH with plastic insul. collar	mm <sup>2</sup>	A 3/A 1		A 3/A 1		A 3/A 1		A 3/A 1				
Max. Clamping Range in mm <sup>2</sup>	Gauge pin to 947-1	35		35		35		-				
Continuous current rating of cross-connection 2-pole	A	35		35		35		-				
Continuous current rating of cross-connection multipole	A	-		-		-		-				
UL / CSA rated data		300 V/20 (2x10) A/26...16 AWG		300 V/20 (2x10) A/26...16 AWG		300 V/20 (2x10) A/26...16 AWG		-				
Voltage / current / conductor size	UL	300 V/20 (2x10) A/26...16 AWG		300 V/20 (2x10) A/26...16 AWG		300 V/20 (2x10) A/26...16 AWG		-				
Voltage / current / conductor size	CSA	300 V/10 A/26...12 AWG		12...110 V/10 A/26...12 AWG		--/26...12 AWG		-				
Ordering data		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.		
Standard			<b>157726</b>	100					<b>103810</b>	100		
blue						<b>157731</b>	100					
with red LED					12 V-	<b>157727</b>	100					
with red LED					24 V-	<b>157728</b>	100					
with red LED					48 V-	<b>157729</b>	100					
with red LED					110 V-	<b>157730</b>	100					
Fixed-pole blocks on request												
End plate / fixing bracket**		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.		
WAP (Thickness 2,5 mm)		With pin	<b>157732</b>	50	With pin	<b>157732</b>	50	With pin	<b>107010</b>	20		
		Without pin	<b>157733</b>	50	Without pin	<b>157733</b>	50	Without pin	<b>107000</b>	20		
VBB orange (Thickness 5 mm)		With pin	<b>106826</b>	10	With pin	<b>106826</b>	10	With pin	<b>107276</b>	10		
		Without pin	<b>106816</b>	10	Without pin	<b>106816</b>	10	Without pin	<b>107266</b>	10		
		Cross-connection comb, insul.										
WQV		WQV 2.5/2	<b>105366</b>	50	WQV 2.5/2	<b>105366</b>	50	WQV 2.5/2	<b>105366</b>	50		
		WQV 2.5/3	<b>106376</b>	50	WQV 2.5/3	<b>105376</b>	50	WQV 2.5/3	<b>105376</b>	50		
		WQV 2.5/4	<b>105386</b>	50	WQV 2.5/4	<b>105386</b>	50	WQV 2.5/4	<b>105386</b>	50		
		WQV 2.5/10	<b>105446</b>	20	WQV 2.5/10	<b>105446</b>	20	WQV 2.5/10	<b>105446</b>	20		
		WQB A/2			WQB A/2	<b>157895</b>	50	WQB A/2	<b>157895</b>	50		
		WQB A/3			WQB A/3	<b>157896</b>	50	WQB A/3	<b>157896</b>	50		
		WQB A/4			WQB A/4	<b>157897</b>	50	WQB A/4	<b>157897</b>	50		
		WQB A/10			WQB A/10	<b>157899</b>	20	WQB A/10	<b>157899</b>	20		
Notching tool WAW 1 für WQV		WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-	WAW 1	<b>900450</b>	-		
Negative conductor-busbar 0,5 x 4 x 120 mm					ML-SSch	<b>106320</b>	3	ML-SSch	<b>106320</b>	3		
Cover for unassigned pins		WAD 5/2	<b>157740</b>	20	WAD 5/2	<b>157740</b>	20	WAD 5/2	<b>157740</b>	20		
Coding element		SLA-KO	<b>132356</b>	100	SLA-KO	<b>132356</b>	100	SLA-KO	<b>132356</b>	100		
Socket strips		No. poles		BLA 4	<b>128196</b>	100	BLA 4	<b>128196</b>	100	BLA 4	<b>128196</b>	100
BLA 2...24		BLA 2...24 B	4	BLA 6	<b>128216</b>	50	BLA 6	<b>128216</b>	50	BLA 6	<b>128216</b>	50
		BLZ 2...24 B	6	BLA 8	<b>128236</b>	50	BLA 8	<b>128236</b>	50	BLA 8	<b>128236</b>	50
BLZ 2...24		with lateral dovetail	4	BLA 4 B	<b>135626</b>	100	BLA 4 B	<b>135626</b>	100	BLA 4 B	<b>135626</b>	100
		guide	6	BLA 6 B	<b>135646</b>	50	BLA 6 B	<b>135646</b>	50	BLA 6 B	<b>135646</b>	50
			8	BLA 8 B	<b>135666</b>	50	BLA 8 B	<b>135666</b>	50	BLA 8 B	<b>135666</b>	50
For further Informations see Section Connectors, Page 5/92		Print		DEK 5	<b>047346</b>	-	DEK 5	<b>047346</b>	-	DEK 5	<b>047346</b>	-
Marking tags		Consecutive horizontal		DEK 5	<b>047356</b>	-	DEK 5	<b>047356</b>	-	DEK 5	<b>047356</b>	-
		Consecutive vertical		WS 12/5	<b>160986</b>	-	WS 12/5	<b>160986</b>	-	WS 12/5	<b>160986</b>	-
		Blank		WS 12/5	<b>144746</b>	-	WS 12/5	<b>144746</b>	-	WS 12/5	<b>144746</b>	-
		Printed										
For further accessories see section 3, further marking material see section 8												

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

\* With BLA

\*\* Set for screwing the connector to the terminal strip

\*\*\* 20 °C ambient temperature



**WDU 1.5/BLZ 5.08**

**WDU 1.5/BLZ/LD/5.08**

with LED Red

**WDU 1.5/BLZ/R 5.08**

Negative return conductor in blue

**WDK 2.5/BLZ R 5.08**

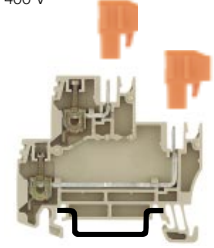
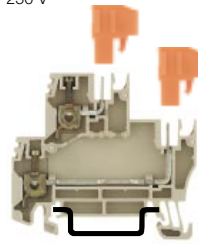
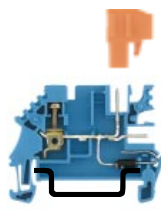
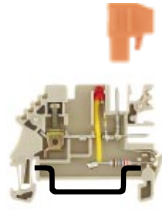
250 V

**WDU 2.5/BLZ R 7.62**

400 V

**WDK 2.5/BLZ R 7.62**

400 V



WDU 1.5/BLZ 5.08		WDU 1.5/BLZ/LD/5.08		WDU 1.5/BLZ/R 5.08		WDK 2.5/BLZ R 5.08		WDU 2.5/BLZ R 7.62		WDK 2.5/BLZ R 7.62																																																	
5.08/45,4/57,5*/45,0/55,5		5.08/45,4/57,5*/45,0/55,5*		5.08/45,4/57,5*/45,0/55,5*		5.08/58/53/63,5*		7.62/45,4/57,5*/45,0/55,5		7.62/58/53/63,5*																																																	
10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		12 mm/M 2,5/3,5 x 0,6		10 mm/M 2,5/3,5 x 0,6		12 mm/M 2,5/3,5 x 0,6																																																	
250 V/10 (2x8) A/1,5 mm <sup>2</sup>		- V/10 (2x8) A/1,5 mm <sup>2</sup>		- V/- A/1,5 mm <sup>2</sup>		250 V/18 <sup>2)</sup> A/2,5 mm <sup>2</sup>		400 V/24(2x12 <sup>2)</sup> (2x8) A/1,5 mm <sup>2</sup>		400 V/20 <sup>2)</sup> A/2,5 mm <sup>2</sup>																																																	
4 kV/3						4 kV/3		6 kV/3		6 kV/3																																																	
0,4...0,8		0,4...0,8		0,4...0,8		0,4...0,8		0,4...0,8		0,4...0,8																																																	
1		1		1		1		1		1																																																	
0,5...4/4		0,5...4/4		0,5...4/4		0,5...4/4		0,5...4/4		0,5...4/4																																																	
1,5...2,5/2,5		1,5...2,5/2,5		1,5...2,5/2,5		1,5...2,5/2,5		1,5...2,5/2,5		1,5...2,5/2,5																																																	
0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5																																																	
0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5		0,5...2,5/2,5																																																	
0,5...2,5/2,5 <sup>1)</sup>		0,5...2,5/2,5 <sup>1)</sup>		0,5...2,5/2,5 <sup>1)</sup>		0,5...2,5/2,5 <sup>1)</sup>		0,5...2,5/2,5		0,5...2,5/2,5																																																	
0,13...4 A 3/A 3		0,13...4 A 3/A 3		0,13...4 A 3/A 3		0,13...4 A 3/A 3		0,13...4 A 3/A 3		0,13...4 A 3/A 3																																																	
35		35		35		-		35		-																																																	
35		35		35		-		35		-																																																	
300 V/20 (2 x 10) A/26...16 AWG		300 V/20 (2 x 10) A/26...16 AWG		300 V/20 (2 x 10) A/26...16 AWG		300 V/10 A/26...12 AWG		-		-																																																	
300 V/10 A/26...12 AWG		12...110 V/10 A/26...12 AWG		-/-26...12 AWG		-		-		-																																																	
<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>With pin</td><td><b>157734</b></td><td>100</td></tr> <tr><td>Without pin</td><td><b>159690</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	With pin	<b>157734</b>	100	Without pin	<b>159690</b>	100	<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>12 V-</td><td><b>157735</b></td><td>100</td></tr> <tr><td>24 V-</td><td><b>157736</b></td><td>100</td></tr> <tr><td>48 V-</td><td><b>157737</b></td><td>100</td></tr> <tr><td>110 V-</td><td><b>157738</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	12 V-	<b>157735</b>	100	24 V-	<b>157736</b>	100	48 V-	<b>157737</b>	100	110 V-	<b>157738</b>	100	<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>With pin</td><td><b>157739</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	With pin	<b>157739</b>	100	<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>With pin</td><td><b>103440</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	With pin	<b>103440</b>	100	<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>With pin</td><td><b>103890</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	With pin	<b>103890</b>	100	<table border="1"> <tr><th>Type</th><th>Cat. No.</th><th>Qty.</th></tr> <tr><td>With pin</td><td><b>103850</b></td><td>100</td></tr> </table>		Type	Cat. No.	Qty.	With pin	<b>103850</b>	100
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24 V-	<b>157736</b>	100																																																									
48 V-	<b>157737</b>	100																																																									
110 V-	<b>157738</b>	100																																																									
Type	Cat. No.	Qty.																																																									
With pin	<b>157739</b>	100																																																									
Type	Cat. No.	Qty.																																																									
With pin	<b>103440</b>	100																																																									
Type	Cat. No.	Qty.																																																									
With pin	<b>103890</b>	100																																																									
Type	Cat. No.	Qty.																																																									
With pin	<b>103850</b>	100																																																									
Type		Type		Type		Type		Type		Type																																																	
With pin		With pin		With pin		With pin		With pin		With pin																																																	
Without pin		Without pin		Without pin		Without pin		Without pin		Without pin																																																	
With pin		With pin		With pin		With pin		With pin		With pin																																																	
Without pin		Without pin		Without pin		Without pin		Without pin		Without pin																																																	
WQV 2.5/2		WQV 2.5/2		WQV 2.5/2		WQB A/2		WQB A/2		-																																																	
WQV 2.5/3		WQV 2.5/3		WQV 2.5/3		WQB A/3		WQB A/3		-																																																	
WQV 2.5/4		WQV 2.5/4		WQV 2.5/4		WQB A/4		WQB A/4		-																																																	
WQV 2.5/10		WQV 2.5/10		WQV 2.5/10		WQB A/10		WQB A/10		-																																																	
WAW 1		WAW 1		WAW 1		-		-		-																																																	
ML-SSch		ML-SSch		ML-SSch		-		-		-																																																	
WAD 5/2		WAD 5/2		WAD 5/2		WAD 5/2		WAD 5/2		WAD 5/2																																																	
BLZ-KO		BLZ-KO		BLZ-KO		BLZ-KO		BLZ-KO		BLZ-KO																																																	
BLZ 4		BLZ 4		BLZ 4		BLZ 4		BLZ 4		BLZ 4																																																	
BLZ 6		BLZ 6		BLZ 6		BLZ 6		BLZ 6		BLZ 6																																																	
BLZ 8		BLZ 8		BLZ 8		BLZ 8		BLZ 8		BLZ 8																																																	
BLZ 4 B		BLZ 4 B		BLZ 4 B		BLZ 4 B		BLZ 4 B		BLZ 4 B																																																	
BLZ 6 B		BLZ 6 B		BLZ 6 B		BLZ 6 B		BLZ 6 B		BLZ 6 B																																																	
BLZ 8 B		BLZ 8 B		BLZ 8 B		BLZ 8 B		BLZ 8 B		BLZ 8 B																																																	
DEK 5		DEK 5		DEK 5		DEK 5		DEK 5		DEK 5																																																	
DEK 5		DEK 5		DEK 5		DEK 5		DEK 5		DEK 5																																																	
WS 12/5		WS 12/5		WS 12/5		WS 12/5		WS 12/6,5		WS 12/6,5																																																	
WS 12/5		WS 12/5		WS 12/5		WS 12/5		WS 12/6,5		WS 12/6,5																																																	

\* With BLZ

<sup>2)</sup> 20 °C ambient temperature

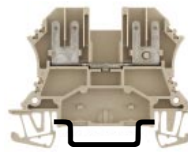
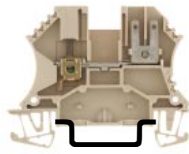
Feed-through terminal blocks

WDU 2.5 F

WDU 2.5 FF

WDK 2.5 F

WDK 2.5 FV



Max. Technical Data

Dimensions

Width/length/height (mm) mit TS 35 x 7,5

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89 / pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

Clampable conductor

solid H07V-U mm<sup>2</sup>

stranded H07V-R mm<sup>2</sup>

flexible H07V-K mm<sup>2</sup>

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

flexible H07V-K and AEH with plastic insul. collar mm<sup>2</sup>

Max. Clamping Range in mm<sup>2</sup> Gauge pin to 947-1 Size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

WTW	WAP	Version	Wemid
			Wemid
			Wemid
			Wemid
			Blue Wemid

End plate / partition

Type	WAP (Thickness 3 mm)	Wemid
	WAP 2.5 (Thickne. 1,5 mm) blue	Wemid
	WTW (Thickness 1,5 mm)	Wemid

Cross-connection

WQV	Screen lug LS 2.8	WAW 1

Notching tool for WQV

Test adapter

WTA	TA 1	Strain relief

Test plug / sockets / insulating sleeves

PS 2.3	StB 8.5	Insulating sleeves

Cover

ADP 2	ADP 3	HP 2	HP 3

Group marking

WT 4	WGB

Marking tags

DEK	DEK	WS	WS	Print
				Consecutive horizontal
				Consecutive vertical
				Blank
				Printed

For further accessories see section 3, further marking material see section 8

12 A/-
5/60/47
10 mm/M 2,5/3,5 x 0,6
500 V m. IH/12 (2x6) A / 2,5/1 mm <sup>2</sup>
6 kV/3
0,4...0,8
1
0,5...4
0,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5 <sup>1)</sup>
0,13...4 A 3
35
35

12 A/-
5/60/47
10 mm/-
500 V m. IH/12 (2x6) A/1 mm <sup>2</sup>
6 kV/3
-
-
0,5...1
-
-
-
-
12
12

12 A/-
5/69/63
10 mm/M 2,5/3,5 x 0,6
400 V m. IH/12 (2x6) A/2,5/1 mm <sup>2</sup>
6 kV/3
0,4...0,8
1
0,5...4/1
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5 <sup>1)</sup>
0,13...4 A 3
32
32

12 A/-
5/69/63
10 mm/M 2,5/3,5 x 0,6
400 V m. IH/12 (2x6) A/2,5/1 mm <sup>2</sup>
6 kV/3
0,4...0,8
1
0,5...4/1
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5 <sup>1)</sup>
0,13...4 A 3
32
32

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

300 V/10 A/22...12 AWG

300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
WAP 2.5-10	105000	50
WAP 2.5-10	105008	50
WTW 2.5-10	105010	20
WTW 2.5-10	105018	20
WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB B/24	157906	20
LS 2.8	105640	50
WAW 1	900450	-
TA 1	053586	20

Type	Cat. No.	Qty.
WAP 2.5-10	105000	50
WAP 2.5-10	105008	50
WTW 2.5-10	105010	20
WTW 2.5-10	105018	20
WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-
TA 1	053586	20

Type	Cat. No.	Qty.
WAP	105910	20
WAP	105918	20
WTW (Ex) e	105880	20
WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-
TA 1	053586	20

Type	Cat. No.	Qty.
WAP	105910	20
WAP	105918	20
WTW (Ex) e	105880	20
WQV 2.5/2	105366	50
WQV 2.5/3	105376	50
WQV 2.5/4	105386	50
WQV 2.5/10	105446	20
WQB A/24	157900	20
LS 2.8	105640	50
WAW 1	900450	-
TA 1	053586	20

<sup>1)</sup> Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310



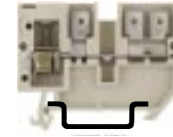
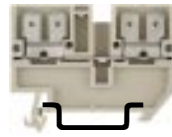
## Feed-through terminals with tab connection

### AST 1

### AST 4

### AST 5

### SAK 4 S/35 SAK 4 SS/35



#### Dimensions

Width/length/height (mm)	With TS 35 x 7,5	6,5/58/46	6,5/40/40	6,5/58/46	6,5/40/49,5
Insulation stripping length/clamping screw/screwdriver blade			9 mm/M 2,5/3,5 x 0,6	12 mm/M 3/3,5 x 0,6	12 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage/rated current/rated cross-section		500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup>	500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup>	500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup>	500 V/16 A/2,5/1,0 mm <sup>2</sup>
Rated impulse voltage / pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3

#### Further technical data

Tightening torque range	Nm		0,4...0,7	0,5...1,0	0,5...1,0
Torque setting with DMS2 electric screwdriver			1	2	2

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>		0,5...4	0,5...6	0,5...6
stranded H07V-R	mm <sup>2</sup>		1,5...2,5	1,5...2,5	1,5...2,5
flexible H07V-K	mm <sup>2</sup>		0,5...2,5	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>		0,5...2,5	0,5...4	0,5...4
Gauge pin to IEC 947-1/1988	Size		A 2	A 4	A 4

Continuous current of terminal block for conductor size					
Continuous current of cross-connection	2-pole	A	(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36
Continuous current of cross-connection	multipole	A			

#### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/13 A/-	300 V/13 A/22...12 AWG	300 V/13 A/22...12 AWG	300 V/13 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/16 A/-	300 V/16 A/24...12 AWG	300 V/16 A/24...12 AWG	300 V/16 A/24...12 AWG

#### Ordering data

Version	Type	Cat. No.	Qty.
Slotted Wemid		<b>069960</b>	50
Unslotted Wemid		<b>066480</b>	50

#### End plate / Partition/Small partition (Thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Wemid AP (1,5)	<b>026640</b>	20	Wemid AP (1,5)	<b>046049</b>	20	Wemid AP (1,5)	<b>026640</b>	20	Wemid AP (1,5)	<b>010510</b>	20
PA TSch 1	<b>031916</b>	100	PA TSch 1	<b>031916</b>	100	PA TSch 1	<b>031916</b>	100	PA TSch 1	<b>031916</b>	100

AP TSch

#### Cross-connection

2-pole	Q 2	<b>033670</b>	50	Q 2	<b>033670</b>	50	Q 2	<b>033670</b>	50	QL 2	<b>013060</b>	100
3-pole	Q 3	<b>033680</b>	50	Q 3	<b>033680</b>	50	Q 3	<b>033680</b>	50	QL 3	<b>013070</b>	100
4-pole	Q 4	<b>033690</b>	50	Q 4	<b>033690</b>	50	Q 4	<b>033690</b>	50	QL 4	<b>013080</b>	50
10-pole	Q 10	<b>036880</b>	20	Q 10	<b>036880</b>	20	Q 10	<b>036880</b>	20	QL 10	<b>033820</b>	20
25-pole												

Q 3 QL

BS

#### Plug adaptor

2-pole			STA 2.5/2	<b>016586</b>	100			
3-pole			STA 2.5/3	<b>016596</b>	50			
4-pole			STA 2.5/4	<b>019036</b>	50			
5-pole			STA 2.5/5	<b>016606</b>	50			
8-pole			STA 2.5/8	<b>016616</b>	50			

#### Test plug/Socket

Plug test socket without using QL for TS 32	StB 14	<b>016860</b>	50	StB 14	<b>016860</b>	50	StB 14	<b>016860</b>	50
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PS StB

PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
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#### Insulation sleeve

IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100

#### Marking tags

#### Print

	1	2	3	4	5	6	Consecutive horizontal	FW 6.5	<b>046816</b>	-	FW 6	<b>046866</b>	-	FW 6.5	<b>046816</b>	-	FW 6.5	<b>046816</b>	-
							Consecutive vertical												

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> With insulation sleeve

<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/21)

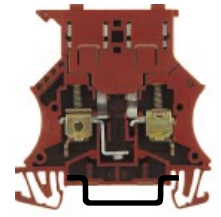
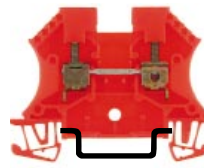
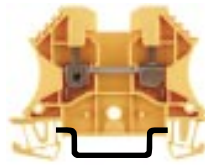
## Terminal blocks coloured

## WDU 2.5

## WDU 4

## WTR 2.5

## WSI 6



Max. Technical Data

Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data VDE 0611 Part 1/8.92/IEC 947-7-1	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage / pollution severity	

Further technical data	
UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

Ordering data	Version
	Wemid
	Blue Wemid
	Yellow Wemid
	Green Wemid
	Brown Wemid
	Grey Wemid
	White Wemid
	Orange PA
	Red PA
	Violet PA
	Black PA

End plate / partition	
WAP (Thickness 1,5 mm)	Wemid
	Blue Wemid
	Yellow Wemid
	Green Wemid
	Brown Wemid
	Grey Wemid
	White Wemid
	Orange PA
	Red PA
	Violet PA
	Black PA
	Wemid
	Blue Wemid

Cross-connection	
WQV	WQB 8/24
	Screen lug LS 2.8
	2 pol.
	3 pol.
	4 pol.
	10 pol.

Notching tools:  
WAW 1 for WQV  
WAW 2 to notch the punch-out in the terminal moulding

Test adapter	
WTA	TA 1
	Strain relief

Test plug/Socket	
PS 2.3	StB 8.5
	Screwdriver SDIK for StB Cat.No.: 902493

Cover	
WAD with symbol	
WAD white, for self-labeling	
Group marking	
T 5	WGB

Tag carrier for S 10 markers	
Marking tags	
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank

Print	
DEK 5	047346
DEK 5	047356
WS 12/5	160986

For further accessories see section 3, further marking material see section 8

\* with StB 2.3 \*\* Rated current limited to 1 A when used with diode-plug

\*\*\* Max. power loss 1,6 W

32 A/4 mm <sup>2</sup>		
5/60/47		
10 mm/M 2,5/3,5 x 0,6		
800 V/24 A/2,5 mm <sup>2</sup>		
8 kV/3		
see Page 2/5		
600 V/25 A/22...12 AWG		
600 V/20 A/26...12 AWG		
	Best.Nr.	Qty.
	102000	100
	102008	100
	102002	100
	102009	100
	103771	100
	103772	100
	103680	100
	102006	100
	102004	100
	103770	100
	102001	100

Type	Cat. No.	Qty.
WAP 2.5-10	105000	50
WAP 2.5-10	105008	50
WAP 2.5-10	105002	50
WAP 2.5-10	107220	50
WAP 2.5-10	105007	50
WAP 2.5-10	105005	50
WAP 2.5-10	105009	50
WAP 2.5-10	105006	50
WAP 2.5-10	105004	50
WAP 2.5-10	107221	50
WAP 2.5-10	105001	50
WTW 2.5-10	105010	20
WTW 2.5-10	105018	20
ZQV 2.5N Qty.	WQV 2.5 Qty.	
169380	60 105366	50
169381	60 105376	50
169382	60 105386	50
169388	20 105446	20
WQB B/24	157906	20
LS 2.8	105640	50
WAW 1	900450	-

WQV 4/2	105196	50
WQV 4/3	105456	50
WQV 4/4	105466	50
WQV 4/10	105206	20
LS 2.8	105640	50
WAW 1	900450	-
WTA 2	163232	50
WTA 2/ZA	163233	50
WTA 2/10	163234	5
ZE 1	163215	50

PS 2.3 (ø 2,3)	018040	20
PS 2.0 (ø 2,0)	029380	20
StB 8.5 (ø 2,3)	021570	50
StB 8.5 (ø 2,0)	126980	50
PS 2.3 (ø 2,3)	018040	20
StB 8.5 (ø 2,3)	028060	50
WAD 5	105346	50
WAD 5 white	105606	50
WGB 5	105076	50
T 5	034850	100
SF 10	033240	1000
SG 10	033250	1000

DEK 5	047346	-
DEK 5	047356	-
WS 12/5	160986	-
DEK 6	046866	-
DEK 6	047356	-
WS 12/6	160990	-

16 A/1,5 mm <sup>2</sup>		
5/60/49		
10 mm/M 2,5/3* /3,5 x 0,6		
800 V/16 A**/1,5 mm <sup>2</sup>		
6 kV/3		
see Page 2/20		
300 V/10 A/22...12 AWG		
300 V/10 A/26...12 AWG		
	without StB	with 2 StB Qty.
	101110	101120
	101118	101128
	101112	101122
	101113	101123
	101117	101127
	101115	101125
	101119	101129
	101116	101126
	101114	101124
	101940	101950
	101111	101121

Type	Cat. No.	Qty.
WAP 2.5-10	105000	50
WAP 2.5-10	105008	50
WAP 2.5-10	105002	50
WAP 2.5-10	107220	50
WAP 2.5-10	105007	50
WAP 2.5-10	105005	50
WAP 2.5-10	105009	50
WAP 2.5-10	105006	50
WAP 2.5-10	105004	50
WAP 2.5-10	107221	50
WAP 2.5-10	105001	50
WTW 2.5-10	105010	20
WTW 2.5-10	105018	20

QL 2	021580	100
QL 3	021590	100
QL 4	021600	50
QL 10	033800	20
BS-M 2,5 x 4,5	106270	100
WAW 2	900451	-

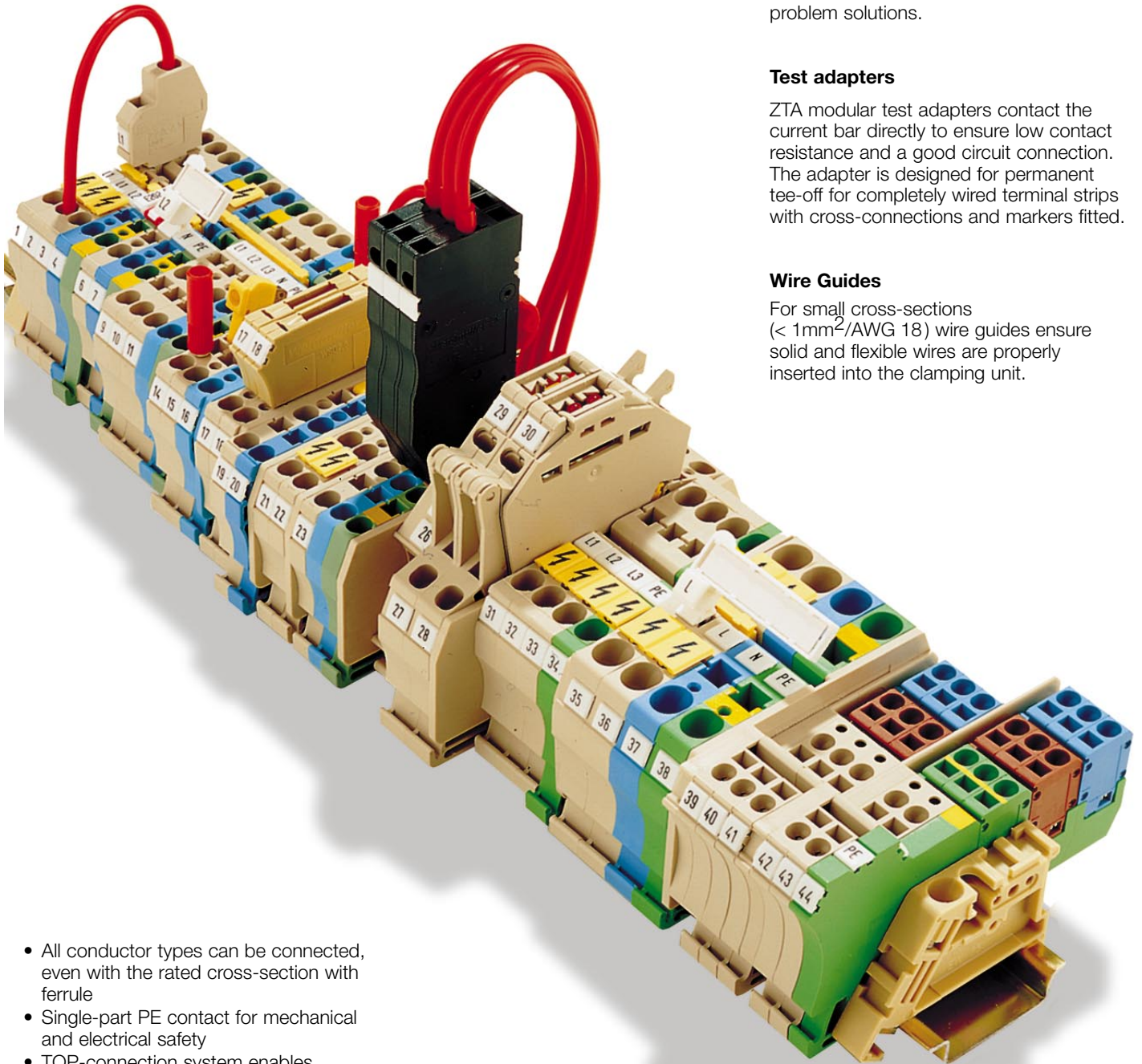
QL 2	019430	50
QL 3	019440	50
QL 4	019450	50
QL 10	033830	20
BS-M 3 x 5	105210	100
WAW 2	900451	-

Diode plug	
WSD 2,5 -K+	105846
WSD 2,5 +D-	105856
WSD 2,5 <sup>1)</sup>	105866
WSD 2,5 <sup>2)</sup>	105876

DEK 6	046866	-
DEK 6	047356	-
WS 12/5	160986	-
DEK 6	047346	-
DEK 6	047356	-
WS 12/6,5	160992	-

<sup>1)</sup> With wire bridge  
<sup>2)</sup> Without special parts

## Z series system advantages



Useful accessories for user-orientated problem solutions.

### Test adapters

ZTA modular test adapters contact the current bar directly to ensure low contact resistance and a good circuit connection. The adapter is designed for permanent tee-off for completely wired terminal strips with cross-connections and markers fitted.

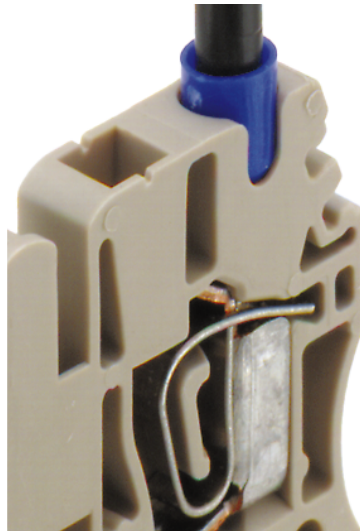
### Wire Guides

For small cross-sections (< 1mm<sup>2</sup>/AWG 18) wire guides ensure solid and flexible wires are properly inserted into the clamping unit.

- All conductor types can be connected, even with the rated cross-section with ferrule
- Single-part PE contact for mechanical and electrical safety
- TOP-connection system enables
  - easy access to clamping points
  - fast connection
  - clear arrangement
- Time-saving plug-in 2...10-pole cross connect links
- Integrated test point
- Wemid-insulating material
  - Non-tracking KC > 600
  - Heat resistant 120 °C
  - Self-extinguishing V0 to UL
  - Contains no harmful substances

## Marking systems

The marker mounting channel is arranged in the centre of the terminal to prevent connected conductors from obscuring the markings. Marking can take place with Weidmüller dekafix and newly developed ZS hinged marker systems. The hinged marker is designed for up to eight-digit marking and is simply snap-fitted stripwise into the marking channel and placed over the cross-connection channels. Identification of functional groups can take place with ZGB group tag carriers.



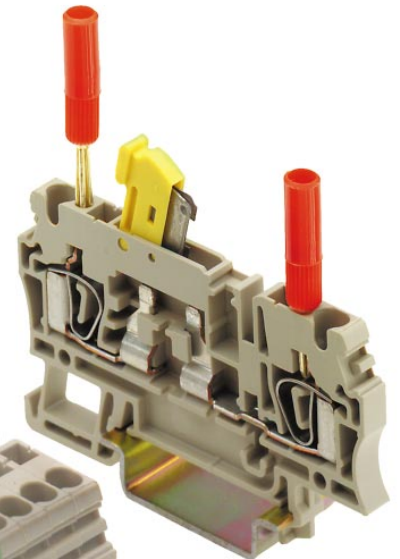
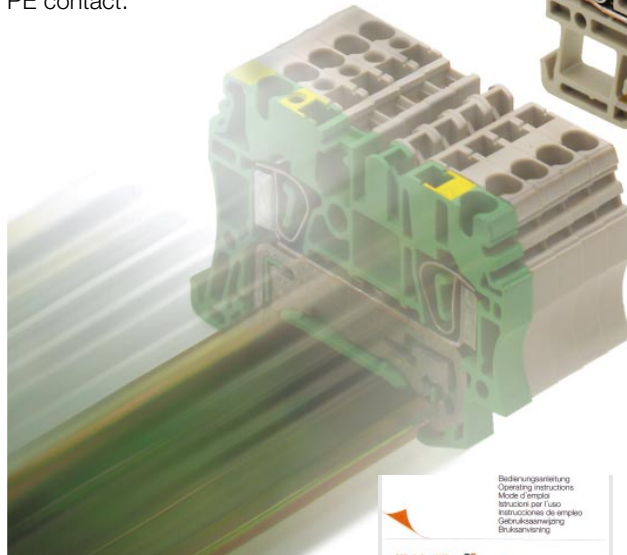
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

## Cross-connection system

Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units; no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can be loaded with the rated current of the corresponding cross-section. By breaking out individual or several contact elements, several terminals can be skipped to suit the particular application. For control-circuit terminals with two connection points, two parallel cross-connection channels are available. This enables two potentials to be routed within the terminal. Only in the case of these two applications does the rated voltage reduce from 800 V to 400 V. By means of prefitted adapters from the W series to the screwless Z series, combined use of both families on one mounting rail is possible. Connection of the WDU 6 or WDU 10 to the Z series takes place with the ZQW 1 adapter. From the WDU 16 or WDU 35, the connection is realised with the ZQW 2.

With the **ZPE protective conductor terminal**, efficient contact to the mounting rail is established by simply snap-fitting the spring-loaded metal foot.

The one-piece construction of the metal parts enables lateral movement of the terminal without damaging the PE contact.



## ZTR disconnect test terminals

feature integral test sockets for PS 2.3 test plugs. The easy to operate disconnect lever clearly shows the disconnected or closed position.

Feed-through terminals and disconnect terminals or disconnect terminals as such can be cross connected.

Fitting instructions for the Z series, Type ZMO1; Cat. no. 16108



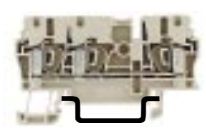
# Feed-through terminal blocks and terminal blocks with electronic components

## ZDU 2.5-2/3AN

## ZDU 2.5-2/4AN

## ZDU 2.5 ZDU 2.5/10

## ZDU 2.5/3AN ZDU 2.5/3AN/10



### Max. Technical Data

#### Dimensions

Width / length / height (mm) with TS 35 x 7,5   
Insulation stripping length mm

#### VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989

Rated voltage / current / cross-section  
Rated impulse voltage / pollution severity

#### Further technical data

Clampable conductor:  
solid H07V-U mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
with ferrule to DIN46 228/1\*\* mm<sup>2</sup>  
with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

#### Ordering data

#### Version

Beige Wemid  
Blue Wemid  
Orange PA  
Terminal block 10-pole Wemid  
Terminal block printed 1...9 Wemid

#### End plate / partition

#### Version

ZAP/TW Beige Wemid  
ZAP/TW7 Blue Wemid  
ZAP/TW7OR Orange PA

#### Cross-connection



Connection of Z-series with WDU 6/WDU 10 by means of adapter type ZQW 1, with WDU 16/WDU 35 by adapter type ZQW 2

#### Test adapter

#### Version

ZTA Without pin  
ZTA With pin  
PS  
TA

#### Screwdriver

SD to DIN 5264-A

#### Screen lug

LS 2.8

#### Cover

ZAD

#### Group marking

ZGB Blank snap-on tag  
ESO  
STR Transparent protective cover

#### Reducing sleeves\*\*\*

#### Colour

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey

#### Marking tags

#### Print

DEK Consecutive horizontal  
DEK Consecutive vertical  
ZS 10 Blank  
ZS 10 Printed

24 A/2,5 mm<sup>2</sup>

5/50,5/43  
10

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,5...2,5  
0,5...2,5  
0,5...1,5<sup>1)</sup>  
0,5...1,5  
0,13...2,5 A2  
24  
24

– \*  
– \*

Type	Cat. No.	Qty.
ZDU 2.5-2/3AN	170601	100
ZDU 2.5-2/3AN BL	170604	100
ZDU 2.5-2/3AN OR	170605	100

ZAP/TW7	170611	50
ZAP/TW7BL	170612	50
ZAP/TW7OR	170613	50

ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20

ZTA 4/ZA	168811	25
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TA 1	053586	20
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SD 0,6 x 3,5	902423	1
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LS 2.8	105640	50
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ZAD 1/4	160911	20
---------	--------	----

ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

ZRH 1.5H/1	167881	100
ZRH 1.5H/2	167880	100
ZRH 1.5H/3	167879	100

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

24 A/2,5 mm<sup>2</sup>

5/50,5/43  
10

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,5...2,5  
0,5...2,5  
0,5...1,5<sup>1)</sup>  
0,5...1,5  
0,13...2,5 A2  
24  
24

– \*  
– \*

Type	Cat. No.	Qty.
ZDU 2.5-2/4AN	170606	100
ZDU 2.5-2/4AN BL	170607	100
ZDU 2.5-2/4AN OR	170608	100

ZAP/TW7	170611	50
ZAP/TW7BL	170612	50
ZAP/TW7OR	170613	50

ZQB 2.5	167712	50
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ZTA 4/ZA	168811	25
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TA 1	053586	20
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SD 0,6 x 3,5	902423	1
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LS 2.8	105640	50
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ZAD 1/4	160911	20
---------	--------	----

ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

ZRH 1.5H/1	167881	100
ZRH 1.5H/2	167880	100
ZRH 1.5H/3	167879	100

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

31 A/4 mm<sup>2</sup>

5/59,5/39  
10

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3  
24  
24

600 V/25 A/26...12 AWG  
600 V/27 A/26...12 AWG

Type	Cat. No.	Qty.
ZDU 2.5	160851	100
ZDU 2.5BL	160852	100
ZDU 2.5OR	163678	100
ZDU 2.5/10	162695	10
ZDU 2.5/10/BEZ	165187	10

ZAP/TW1	160874	50
ZAP/TW1BL	160875	50
ZAP/TW1OR	160876	50

ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20
ZQW 1	161143	5
ZQW 2	161144	5

ZTA 1	160904	25
ZTA 1/ZA	160905	25
PS 2.3	018040	20
PS 2.0	029380	20
TA 1	053586	20

SD 0,6 x 3,5	902423	1
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ZAD 1/4	160911	20
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

ZRH 2.5/1	161430	100
ZRH 2.5/2	161429	100
ZRH 2.5/3	161428	100

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

31 A/4 mm<sup>2</sup>

5/64/39  
10

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3  
24  
24

600 V/25 A/26...12 AWG  
600 V/27 A/26...12 AWG

Type	Cat. No.	Qty.
ZDU 2.5/3AN	160854	100
ZDU 2.5/3AN BL	160855	100
ZDU 2.5/3AN OR	163679	100
ZDU 2.5/3AN/10	162696	10
ZDU 2.5/3AN/10/BEZ	165188	10

ZAP/TW2	160877	50
ZAP/TW2BL	160878	50
ZAP/TW2OR	160879	50

ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20
ZQW 1	161143	5
ZQW 2	161144	5

ZTA 1	160904	25
ZTA 1/ZA	160905	25
PS 2.3	018040	20
PS 2.0	029380	20
TA 1	053586	20

SD 0,6 x 3,5	902423	1
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ZAD 1/4	160911	20
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

ZRH 2.5/1	161430	100
ZRH 2.5/2	161429	100
ZRH 2.5/3	161428	100

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5  
(Cat. No. 901146) 2,5 mm<sup>2</sup> possible too



**ZDU 2.5/4AN**  
**ZDU 2.5/4AN/10**

**ZDU 2.5/2 x 2 AN**  
**ZDU 2.5/2 x 2 AN/10**

**ZDU 2.5/2 x 2 AN/D**

**ZDU 2.5/2x2 AN/LD**

**ZDU 4**  
**ZDU 4/10**

**ZDU 6**  
**ZDU 6/10**



30 A/4 mm<sup>2</sup>  
5/79/39  
10

30 A/4 mm<sup>2</sup>  
5/79/39  
10

5/79/39  
10

5/79/39  
10

41 A/6 mm<sup>2</sup>  
6/62/43,5  
12

57 A/10 mm<sup>2</sup>  
8/65/45,5  
13

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

800 V/24 A/2,5 mm<sup>2</sup>  
8 kV/3

400 V\*\*\*\*/1 A/2,5 mm<sup>2</sup>  
6 kV/3

24 V- / <5 mA/2,5 mm<sup>2</sup>

800 V/32 A/4 mm<sup>2</sup>  
8 kV/3

800 V/41 A/6 mm<sup>2</sup>  
8 kV/3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3  
24  
24

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
0,13...4 A3

0,5...6  
0,5...6  
0,5...4  
0,5...4  
0,21...6 A4  
32  
32

0,5...10  
0,5...10  
0,5...6  
0,5...6  
0,21...10 A5  
41  
41

600 V/25 A/26...12 AWG  
600 V/27 A/26...12 AWG

600 V/25 A/26...12 AWG  
300 V/27 A/26...12 AWG

300 V/27 A/26...12 AWG

600 V/33 A/26...10 AWG  
600 V/35 A/26...10 AWG

600 V/33 A/26...10 AWG  
600 V/50 A/20...8 AWG

600 V/45 A/22...8 AWG  
600 V/50 A/20...8 AWG

Type	Cat. No.	Qty.
ZDU 2.5/4AN	<b>160857</b>	100
ZDU 2.5/4AN BL	<b>160858</b>	100
ZDU 2.5/4AN OR	<b>163680</b>	100
ZDU 2.5/4AN/10	<b>162697</b>	10
ZDU 2.5/10/4AN/BEZ	<b>165189</b>	10

Type	Cat. No.	Qty.
ZDU 2.5/2x2AN	<b>160860</b>	100
ZDU 2.5/2x2AN BL	<b>160861</b>	100
ZDU 2.5/2x2AN OR	<b>163681</b>	100
ZDU 2.5/2x2AN/10	<b>162698</b>	10

Type	Cat. No.	Qty.
ZDU 2.5/2x2AN/D+	<b>165034</b>	20
mit Diode + <-		
ZDU 2.5/2x2AN/D-	<b>165035</b>	20
mit Diode - <+		

Type	Cat. No.	Qty.
ZDU 2.5/2x2AN/LD+	<b>169259</b>	20
mit LED rot + <-		
ZDU 2.5/2x2AN/LD-	<b>169260</b>	20
mit LED red - <+		

Type	Cat. No.	Qty.
ZDU 4	<b>163205</b>	100
ZDU 4 BL	<b>163206</b>	100
ZDU 4 OR	<b>163683</b>	100
ZDU 4/10	<b>163207</b>	10
ZDU 4/10/BEZ	<b>165190</b>	10

Type	Cat. No.	Qty.
ZDU 6	<b>160862</b>	50
ZDU 6 BL	<b>160863</b>	50
ZDU 6 OR	<b>163682</b>	50
ZDU 6/10	<b>163143</b>	5

ZAP/TW3	<b>160880</b>	50
ZAP/TW3BL	<b>160881</b>	50
ZAP/TW3OR	<b>160882</b>	50

ZAP/TW3	<b>160880</b>	50
ZAP/TW3BL	<b>160881</b>	50
ZAP/TW3OR	<b>160882</b>	50

ZAP/TW3	<b>160880</b>	50
ZAP/TW3BL	<b>160881</b>	50
ZAP/TW3OR	<b>160882</b>	50

ZAP/TW3	<b>160880</b>	50
ZAP/TW3BL	<b>160881</b>	50
ZAP/TW3OR	<b>160882</b>	50

ZAP/TW4	<b>163209</b>	50
ZAP/TW4BL	<b>163210</b>	50
ZAP/TW4OR	<b>163211</b>	50

ZAP/TW5	<b>160883</b>	50
ZAP/TW5BL	<b>160884</b>	50
ZAP/TW5OR	<b>160885</b>	50

ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20
ZQW 1	<b>161143</b>	5
ZQW 2	<b>161144</b>	5

ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20
ZQW 1	<b>161143</b>	5
ZQW 2	<b>161144</b>	5

ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20
ZQW 1	<b>161143</b>	5
ZQW 2	<b>161144</b>	5

ZQV 4/2	<b>160895</b>	60
ZQV 4/3	<b>160896</b>	60
ZQV 4/4	<b>160897</b>	60
ZQV 4/5	<b>160898</b>	20
ZQV 4/6	<b>160899</b>	20
ZQV 4/7	<b>160900</b>	20
ZQV 4/8	<b>160901</b>	20
ZQV 4/9	<b>160902</b>	20
ZQV 4/10	<b>160903</b>	20

ZQV 4/2	<b>160895</b>	60
ZQV 4/3	<b>160896</b>	60
ZQV 4/4	<b>160897</b>	60
ZQV 4/5	<b>160898</b>	20
ZQV 4/6	<b>160899</b>	20
ZQV 4/7	<b>160900</b>	20
ZQV 4/8	<b>160901</b>	20
ZQV 4/9	<b>160902</b>	20
ZQV 4/10	<b>160903</b>	20

ZQV 6/2	<b>162785</b>	60
ZQV 6/3	<b>162786</b>	60
ZQV 6/4	<b>162787</b>	60

ZTA 1	<b>160904</b>	25
ZTA 1/ZA	<b>160905</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

ZTA 1	<b>160904</b>	25
ZTA 1/ZA	<b>160905</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

ZTA 1	<b>160904</b>	25
ZTA 1/ZA	<b>160905</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

ZTA 1	<b>160904</b>	25
ZTA 1/ZA	<b>160905</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

ZTA 2	<b>160906</b>	25
ZTA 2/ZA	<b>160907</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

ZTA 3	<b>165405</b>	25
PS 2.3	<b>018040</b>	20
PS 2.0	<b>029380</b>	20
TA 1	<b>053586</b>	20

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 1 x 5,5 **902429** 1

ZAD 1/4 **160911** 20

ZAD 1/4 **160911** 20

ZAD 1/4 **160911** 20

ZAD 1/4 **160911** 20

ZAD 2/4 **160908** 20

ZAD 3/4 **160912** 20

ZGB 30 **161193** 20

ZGB 30 **161193** 20

ZGB 30 **161193** 20

ZGB 30 **161193** 20

ZGB 30 **161193** 20

ZGB 30 **161193** 20

ESO 7 **160772** 240

ESO 7 **160772** 240

ESO 7 **160772** 240

ESO 7 **160772** 240

ESO 7 **160772** 240

ESO 7 **160772** 240

STR 7 **051530** 20

STR 7 **051530** 20

STR 7 **051530** 20

STR 7 **051530** 20

STR 7 **051530** 20

STR 7 **051530** 20

ZRH 2.5/1 **161430** 100

ZRH 2.5/1 **161430** 100

ZRH 2.5/1 **161430** 100

ZRH 2.5/1 **161430** 100

ZRH 4/1 **163664** 100

ZRH 4/1 **163664** 100

ZRH 2.5/2 **161429** 100

ZRH 2.5/2 **161429** 100

ZRH 2.5/2 **161429** 100

ZRH 2.5/2 **161429** 100

ZRH 4/2 **163665** 100

ZRH 4/2 **163665** 100

ZRH 2.5/3 **161428** 100

ZRH 2.5/3 **161428** 100

ZRH 2.5/3 **161428** 100

ZRH 2.5/3 **161428** 100

ZRH 4/3 **163666** 100

ZRH 4/3 **163666** 100

DEK 5 **047346** 500

DEK 5 **047346** 500

DEK 5 **047346** 500

DEK 5 **047346** 500

DEK 6 **046866** 500

DEK 8 **127696** 500

DEK 5 **047356** 500

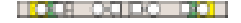
# Feed-through terminal blocks and terminal blocks with electronic components

## ZDK 2.5/1.5

## ZDK 2.5/1.5 V

## ZDK 2.5/1.5 N-DU

## ZDK 2.5/1.5 DU-PE



### Max. Technical Data

Dimensions		- / -	- / -	- / -	- / -
Width / length / height (mm)	with TS 35 x 7,5	5/79/54	5/79/54	5/79/54	5/79/54
Insulation stripping length	mm	10	10	10	10
<b>VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989</b>					
Rated voltage / current / cross-section		500 V/24 A/2.5 mm <sup>2</sup>	500 V/24 A/2.5 mm <sup>2</sup>	500 V/24 A/2.5 mm <sup>2</sup>	-- V/24 A/2.5 mm <sup>2</sup>
Rated impulse voltage / pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3
<b>Further technical data</b>					
Clampable conductor:					
solid H07V-U	mm <sup>2</sup>	0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5
flexible H07V-K	mm <sup>2</sup>	0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5
with ferrule to DIN 46 228/1 <sup>1)</sup>	mm <sup>2</sup>	0.5...1,5 <sup>2)</sup>	0.5...1,5 <sup>2)</sup>	0.5...1,5 <sup>2)</sup>	0.5...1,5 <sup>2)</sup>
with ferrule with plastic insulating collar**	mm <sup>2</sup>	0.5...1,5	0.5...1,5	0.5...1,5	0.5...1,5
Max. Clamping Range in mm <sup>2</sup> Gauge pin to IEC 947-1/1988	Size	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2
Continuous current rating of cross-connection 2-pole	A	24	24	24	24
Continuous current rating of cross-connection multipole	A	24	24	24	24
<b>UL / CSA rated data</b>					
Voltage / current / conductor size	UL	*	*	*	*
Voltage / current / conductor size	CSA	*	*	*	*

Ordering data		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
		Wemid	ZDK 2.5/1.5	167430	50	ZDK2.5/1.5 v	168999	50	ZDK2.5/1.5N-DU	168996	50	ZDK2.5/1.5DU-PE	168997	50
		Blue Wemid	ZDK 2.5/1.5 BL	167863	50									
		Orange PA	ZDK 2.5/1.5 OR	169414	50									

End plate / partition		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZAP/TW		Wemid	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20
		Orange PA	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20

Cross-connection		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZQV			ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60
			ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60
			ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60
			ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20
			ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20
			ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20
			ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20
			ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20
			ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20
			ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20

Test adapter		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZTA		With pin	ZTA 4/ ZA	168811	25	ZTA 4/ ZA	168811	25	ZTA 4/ ZA	168811	25	ZTA 4/ ZA	168811	25

Screwdriver		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
SD to DIN 5264-A			SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1

Group marking		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZGB			ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20
ESO		Blank snap-on tag	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240
STR		Transparent protective cover	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20

Reducing sleeves****		Colour	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZRH for conductor 0,13...0,2 mm <sup>2</sup>		White	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100
ZRH for conductor 0,25...0,5 mm <sup>2</sup>		Grey	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100
ZRH for conductor 0,75...1 mm <sup>2</sup>		Dark grey	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100

Marking tags		Print	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
DEK		Consecutive horizontal	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500
DEK		Consecutive vertical	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500
ZS 10		Blank	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10		Printed	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480

See page 2/60 as well as section 3 for additional accessories

<sup>1)</sup> Ferrules crimped gas-tight

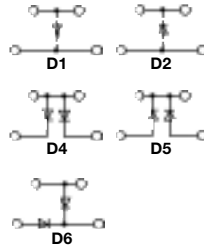
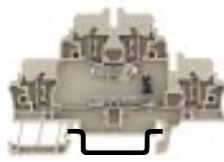
\* Approvals applied for  
\*\*\*\* Standard pack includes 100 strips for 10 poles each

<sup>2)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

**ZDK 2.5/1.5 N-PE**

**ZDK 2.5/1.5/LD/1  
ZDK 2.5/1.5/LD/2**

**ZDK 2.5/1.5/D/1...6**



ZDK 2.5/1.5 N-PE			ZDK 2.5/1.5/LD/1 ZDK 2.5/1.5/LD/2			ZDK 2.5/1.5/D/1...6		
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
5/79/54			5/79/54			5/79/54		
10			10			10		
-V /24 A/2.5 mm <sup>2</sup>			24 V-/-<5 mA**/2.5 mm <sup>2</sup>			500 V**/10 A***/2.5 mm <sup>2</sup>		
6 kV/3			-			6 kV/3		
0.5...2.5			0.5...2.5			0.5...2.5		
0.5...2.5			0.5...2.5			0.5...2.5		
0.5...1,5 <sup>2</sup> )			0.5...1,5 <sup>2</sup> )			0.5...1,5 <sup>2</sup> )		
0.5...1,5			0.5...1,5			0.5...1,5		
0,13...2,5	A2		0,13...2,5	A2		0,13...2,5	A2	
24								
24								
*								
*								
ZDK2.5/1.5N-PE	<b>168998</b>	50	ZDK2.5/1.5LD 1	<b>169001</b>	50	ZDK2.5/1.5 D 1	<b>169002</b>	50
			ZDK2.5/1.5LD 2	<b>169394</b>	50	ZDK2.5/1.5 D 2	<b>169003</b>	50
						ZDK2.5/1.5 D 4	<b>169004</b>	50
						ZDK2.5/1.5 D 5	<b>169005</b>	50
						ZDK2.5/1.5 D 6	<b>169006</b>	50
ZAP TW 2.5/1.5	<b>167473</b>	20	ZAP TW 2.5/1.5	<b>167473</b>	20	ZAP TW 2.5/1.5	<b>167473</b>	20
ZAP TW 2.5/1.5	<b>169008</b>	20	ZAP TW 2.5/1.5	<b>169008</b>	20	ZAP TW 2.5/1.5	<b>169008</b>	20
ZQV 2.5/2	<b>160886</b>	60	ZQV 2.5/2	<b>160886</b>	60	ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60	ZQV 2.5/3	<b>160887</b>	60	ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60	ZQV 2.5/4	<b>160888</b>	60	ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20	ZQV 2.5/5	<b>160889</b>	20	ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20	ZQV 2.5/6	<b>160890</b>	20	ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20	ZQV 2.5/7	<b>160891</b>	20	ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20	ZQV 2.5/8	<b>160892</b>	20	ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20	ZQV 2.5/9	<b>160893</b>	20	ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20	ZQV 2.5/10	<b>160894</b>	20	ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20	ZQV 2.5/50	<b>169754</b>	20	ZQV 2.5/50	<b>169754</b>	20
ZTA 4 / ZA	<b>168811</b>	25	ZTA 4 / ZA	<b>168811</b>	25	ZTA 4 / ZA	<b>168811</b>	25
SD 0,6 x 3,5	<b>902423</b>	1	SD 0,6 x 3,5	<b>902423</b>	1	SD 0,6 x 3,5	<b>902423</b>	1
ZGB 30	<b>161193</b>	20	ZGB 30	<b>161193</b>	20	ZGB 30	<b>161193</b>	20
ESO 7	<b>160772</b>	240	ESO 7	<b>160772</b>	240	ESO 7	<b>160772</b>	240
STR 7	<b>051530</b>	20	STR 7	<b>051530</b>	20	STR 7	<b>051530</b>	20
ZRH 1.5 H/1	<b>167881</b>	100	ZRH 1.5 H/1	<b>167881</b>	100	ZRH 1.5 H/1	<b>167881</b>	100
ZRH 1.5 H/2	<b>167880</b>	100	ZRH 1.5 H/2	<b>167880</b>	100	ZRH 1.5 H/2	<b>167880</b>	100
ZRH 1.5 H/3	<b>167879</b>	100	ZRH 1.5 H/3	<b>167879</b>	100	ZRH 1.5 H/3	<b>167879</b>	100
DEK 5	<b>047346</b>	500	DEK 5	<b>047346</b>	500	DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500	DEK 5	<b>047356</b>	500	DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480	ZS 10/5	<b>161000</b>	480	ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480	ZS 10/5	<b>161001</b>	480	ZS 10/5	<b>161001</b>	480

\*\* Equipped with diode type 1N 4007, reverse voltage 1000 V, current 1 A

\*\*\* current of through-busbar = 10 A

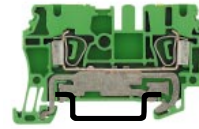
**Protective conductor terminal blocks**

**ZPE 2.5-2/3AN**

**ZPE 2.5-2/4AN**

**ZPE 2.5**

**ZPE 2.5/3AN**



Dimensions		ZPE 2.5-2/3AN	ZPE 2.5-2/4AN	ZPE 2.5	ZPE 2.5/3AN									
Width / length / height (mm)	with TS 35 x 7,5	5/50,5/43	5/50,5/43	5/59,5/39	5/64/39									
Insulation stripping length	mm	10	10	10	10									
Bemessungsdaten IEC947-7-2														
Rated voltage / current PEN / cross-section		-V/-A/2,5 mm <sup>2</sup>	-V/-A/2,5 mm <sup>2</sup>	-V/-A/2,5 mm <sup>2</sup>	-V/-A/2,5 mm <sup>2</sup>									
Rated voltage / rated impulse voltage / pollution severity to VDE 0110/1.89 to adjacent terminal		800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3									
Further technical data														
Clampable conductor:														
solid H07V-U	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...4	0,5...4									
flexible H07V-K	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...4	0,5...4									
with ferrule to DIN 46 228/1**	mm <sup>2</sup>	0,5...1,5 <sup>1)</sup>	0,5...1,5 <sup>1)</sup>	0,5...2,5	0,5...2,5									
with ferrule with plastic insulating collar**	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...2,5	0,5...2,5									
Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988	Size	0,13...2,5 A2	0,13...2,5 A2	0,13...4 A3	0,13...4 A3									
UL / CSA rated data														
Voltage / current / conductor size	UL	*	*	-V/-A/26...12 AWG	-V/-A/26...12 AWG									
Voltage / current / conductor size	CSA	*	*	-V/-A/26...12 AWG	-V/-A/26...12 AWG									
Ordering data		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	Green/yellow Wemid	ZPE 2.5-2/3AN	<b>170609</b>	100	ZPE 2.5-2/4AN	<b>170610</b>	100	ZPE 2.5	<b>160864</b>	100	ZPE 2.5/3AN	<b>160865</b>	100	
End plate / partition		Version												
ZAP/TW	Beige Wemid	ZAP/TW7	<b>170611</b>	50	ZAP/TW7	<b>170611</b>	50	ZAP/TW1	<b>160874</b>	50	ZAP/TW2	<b>160877</b>	50	
Support block		Version												
SH	For insulation of mounting rails in insulated-earth installations	SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10	
Test adapter		Version												
ZTA	Without pin	ZTA 4/ZA	<b>168811</b>	25	ZTA 4/ZA	<b>168811</b>	25	ZTA 1	<b>160904</b>	25	ZTA 1	<b>160904</b>	25	
	With pin	TA 1	<b>053586</b>	20	TA 1	<b>053586</b>	20	TA 1	<b>053586</b>	20	TA 1	<b>053586</b>	20	
	PS							PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	
	TA							PS 2.0	<b>029380</b>	20	PS 2.0	<b>029380</b>	20	
Screwdriver		Version												
SD to DIN 5264-A		SD 0,6 x 3,5	<b>902423</b>	1	SD 0,6 x 3,5	<b>902423</b>	1	SD 0,6 x 3,5	<b>902423</b>	1	SD 0,6 x 3,5	<b>902423</b>	1	
Group marking		Version												
ZGB	Blank snap-on tag	ZGB 30	<b>161193</b>	20	ZGB 30	<b>161193</b>	20	ZGB 30	<b>161193</b>	20	ZGB 30	<b>161193</b>	20	
ESO	Transparent protective cover	ESO 7	<b>160772</b>	240	ESO 7	<b>160772</b>	240	ESO 7	<b>160772</b>	240	ESO 7	<b>160772</b>	240	
STR		STR 7	<b>051530</b>	20	STR 7	<b>051530</b>	20	STR 7	<b>051530</b>	20	STR 7	<b>051530</b>	20	
Reducing sleeves***		Colour												
ZRH for conductor 0,13...0,2 mm <sup>2</sup>	White	ZRH 1.5H/1	<b>167881</b>	100	ZRH 1.5H/1	<b>167881</b>	100	ZRH 2.5/1	<b>161430</b>	100	ZRH 2.5/1	<b>161430</b>	100	
ZRH for conductor 0,25...0,5 mm <sup>2</sup>	Grey	ZRH 1.5H/2	<b>167880</b>	100	ZRH 1.5H/2	<b>167880</b>	100	ZRH 2.5/2	<b>161429</b>	100	ZRH 2.5/2	<b>161429</b>	100	
ZRH for conductor 0,75...1 mm <sup>2</sup>	Dark grey	ZRH 1.5H/3	<b>167879</b>	100	ZRH 1.5H/3	<b>167879</b>	100	ZRH 2.5/3	<b>161428</b>	100	ZRH 2.5/3	<b>161428</b>	100	
Marking tags		Print												
DEK	Consecutive horizontal	DEK 5	<b>047346</b>	500	DEK 5	<b>047346</b>	500	DEK 5	<b>047346</b>	500	DEK 5	<b>047346</b>	500	
DEK	Consecutive vertical	DEK 5	<b>047356</b>	500	DEK 5	<b>047356</b>	500	DEK 5	<b>047356</b>	500	DEK 5	<b>047356</b>	500	
ZS 10	Blank	ZS 10/5	<b>161000</b>	480	ZS 10/5	<b>161000</b>	480	ZS 10/5	<b>161000</b>	480	ZS 10/5	<b>161000</b>	480	
ZS 10	Printed	ZS 10/5	<b>161001</b>	480	ZS 10/5	<b>161001</b>	480	ZS 10/5	<b>161001</b>	480	ZS 10/5	<b>161001</b>	480	

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

\*\*\* Standard pack includes 100 strips for 10 poles each

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

ZPE 2.5/4AN

ZDK 2.5/1.5 PE

ZDK 2.5/1.5 DU-PE

ZDK 2.5/1.5 N-PE

ZPE 4

ZPE 6



5/79/39	5/79/54	5/79/54	5/79/54	6 /62 /43,5	8/65/45,5
10	10	10	10	12	13
-V/-A/2,5 mm <sup>2</sup>	-V/-A/2,5 mm <sup>2</sup>	-V/24A/2,5 mm <sup>2</sup>	-V/-A/2,5 mm <sup>2</sup>	-V/-A/4 mm <sup>2</sup>	-V/-A/6mm <sup>2</sup>
800 V/8 kV/3	500/6 kV/3	500/6 kV/3	500/6 kV/3	800 V/8 kV/3	800 V/8 kV/3
0,5...4	0,5...2,5	0,5...2,5	0,5...2,5	0,5...6	0,5...10
0,5...4	0,5...2,5	0,5...2,5	0,5...2,5	0,5...6	0,5...10
0,5...2,5	0,5...1,5 <sup>1)</sup>	0,5...1,5 <sup>1)</sup>	0,5...1,5 <sup>1)</sup>	0,5...4	0,5...6
0,5...2,5	0,5...1,5	0,5...1,5	0,5...1,5	0,5...4	0,5...6
0,13...4	A3	0,13...2,5	A2	0,13...2,5	A2
0,13...4	A3	0,13...2,5	A2	0,13...2,5	A2
-V/-A/26...12 AWG	*	*	*	-V/-A/26...10 AWG	-V/-A/22...8 AWG
-V/-A/26...12 AWG	*	*	*	-V/-A/26...10 AWG	-V/-A/20...8 AWG

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZPE 2.5/4AN	160866	100	ZDK 2.5/1.5 PE	169000	50	ZDK 2.5/1.5 DU-PE	168997	50	ZDK 2.5/1.5 N-PE	168998	50	ZPE 4	163208	100
ZPE 6	160867	50												

ZAP/TW3	160880	50	ZAP/TW ZDK2.5	167473	50	ZAP/TW ZDK2.5	167473	50	ZAP/TW ZDK2.5	167473	50	ZAP/TW4	163209	50	ZAP/TW5	160883	50
---------	--------	----	---------------	--------	----	---------------	--------	----	---------------	--------	----	---------	--------	----	---------	--------	----

SH 2	049492	10	SH 2	049492	10	SH 2	049492	10	SH 2	049492	10	SH 2	049492	10	SH 2	049492	10
------	--------	----	------	--------	----	------	--------	----	------	--------	----	------	--------	----	------	--------	----

ZTA 1	160904	25	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 2	160906	25	ZTA 3	165405	25
ZTA 1/ZA	160905	25							ZTA 2/ZA	160907	25						
TA 1	053586	20							TA 1	053586	20						
PS 2.3	018040	20							PS 2.3	018040	20						
PS 2.0	029380	20							PS 2.0	029380	20						

SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 1 x 5,5	902429	1
--------------	--------	---	--------------	--------	---	--------------	--------	---	--------------	--------	---	--------------	--------	---	------------	--------	---

ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20
ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240
STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20

ZRH 2.5/1	161430	100	ZRH 1.5H/1	167881	100	ZRH 1.5H/1	167881	100	ZRH 1.5H/1	167881	100	ZRH 4/1	163664	100			
ZRH 2.5/2	161429	100	ZRH 1.5H/2	167880	100	ZRH 1.5H/2	167880	100	ZRH 1.5H/2	167880	100	ZRH 4/2	163665	100			
ZRH 2.5/3	161428	100	ZRH 1.5H/3	167879	100	ZRH 1.5H/3	167879	100	ZRH 1.5H/3	167879	100	ZRH 4/3	163666	100			

DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 6	046866	500	DEK 8	127696	500
DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 6	046876	500	DEK 8	128966	500
ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 12/6	161002	400	ZS 12/6	161002	400
ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 12/6	161003	400	ZS 12/6	161003	400

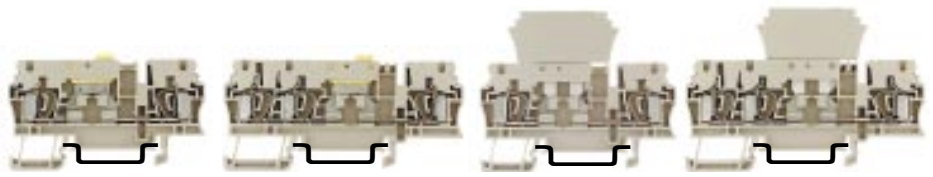
**Disconnect test terminal blocks**

**ZTR 2.5**

**ZTR 2.5/3 AN**

**ZTR 2.5/D**

**ZTR 2.5/3 AN/D**



**Dimensions**

Width / length / height (mm) with TS 35 x 7,5   
 Insulation stripping length mm

**Bemessungsdaten**

Rated voltage / current / cross-section  
 Rated impulse voltage / pollution severity, VDE 0110/1.89

**Further technical data**

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size

**UL / CSA rated data**

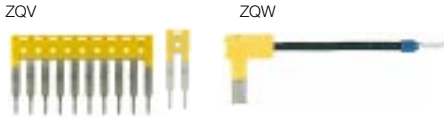
Voltage / current / conductor size

Ordering data	Version
	Wemid
	Blue Wemid
	Orange PA
	Without disconnect lever
	With diode +⊢-
	With diode -⊢+
	With wire link

**End plate / partition**

Version
Wemid
Blue Wemid
Orange PA

**Cross-connection**



Connection of Z-series with WDU 6/WDU 10 by means of adapter type ZQW 1, with WDU 16/WDU 35 by adapter type ZQW 2

**Test adapter/Test plugs**



**Screwdriver**

SD to DIN 5264-A

**Cover**

ZAD 

**Reducing sleeves\*\*\*\***

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey

**Diode plug (spare)**

+⊢-  
 -⊢+  
 With wire link  
 Without special components

**Group marking**

ZGB   
 ESO Blank snap-on tag  
 STR Transparent protective cover

**Marking tags**

DEK  Consecutive horizontal  
 DEK  Consecutive vertical  
 ZS 10 Blank  
 ZS 10 DEK  Printed

See page 2/60 as well as section 3 for additional accessories

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
5/68/41			5/83/41			5/68/57			5/83/57		
10			10			10			10		
400 V/18 A**/2,5 mm <sup>2</sup>			400 V/16 A**/2,5 mm <sup>2</sup>			400 V/10 A**/2,5 mm <sup>2</sup>			400 V/10 A**/2,5 mm <sup>2</sup>		
6 kV/3			6 kV/3			6 kV/3			6 kV/3		
0,5...4			0,5...4			0,5...4			0,5...4		
0,5...4			0,5...4			0,5...4			0,5...4		
0,5...2,5			0,5...2,5			0,5...2,5			0,5...2,5		
0,5...2,5			0,5...2,5			0,5...2,5			0,5...2,5		
0,13...4	A3		0,13...4	A3		0,13...4	A3		0,13...4	A3	
300 V/10 A/26...12 AWG			*			300 V/- A/26...12 AWG			*		
ZTR 2.5	160868	100	ZTR 2,5/3AN	166830	100						
ZTR 2.5BL	160869	100	ZTR 2,5/3ANBL	167030	100						
ZTR 2.5OR	163684	100	ZTR 2,5/3ANOR	167032	100						
ZTR 2.5/O.TNHE	160870	100	ZTR 2,5/3ANO.TNHE	167031	100						
						ZTR 2.5/D+	160871	50	ZTR 2.5/3AN/D+	167033	50
						ZTR 2.5/D-	160872	50	ZTR 2.5/3AN/D-	167034	50
						ZTR 2.5/D/DRBR	160873	50	ZTR 2.5/3AN/D/DRBR	167035	50
ZAP/TW2	160877	50	ZAP/TW3	160880	50	ZAP/TW2	160877	50	ZAP/TW3	160880	50
ZAP/TW2BL	160878	50	ZAP/TW3BL	160881	50	ZAP/TW2BL	160878	50	ZAP/TW3BL	160881	50
ZAP/TW2OR	160879	50	ZAP/TW3OR	160882	50	ZAP/TW2OR	160879	50	ZAP/TW3OR	160882	50
ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60	ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60	ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60	ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20	ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20	ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20	ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20	ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20	ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20	ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20	ZQV 2.5/50	169754	20
ZQW 1	161143	5	ZQW 1	161143	5	ZQW 1	161143	5	ZQW 1	161143	5
ZQW 2	161144	5	ZQW 2	161144	5	ZQW 2	161144	5	ZQW 2	161144	5
ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25
ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25
PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20
PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20
SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1
ZAD 1/4	160911	20	ZAD 1/4	160911	20	ZAD 1/4	160911	20	ZAD 1/4	160911	20
ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100
ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100
ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100
WSD 2.5	105856	25	WSD 2.5	105856	25	WSD 2.5	105856	25	WSD 2.5	105856	25
WSD 2.5	105846	25	WSD 2.5	105846	25	WSD 2.5	105846	25	WSD 2.5	105846	25
WSD 2.5	105866	25	WSD 2.5	105866	25	WSD 2.5	105866	25	WSD 2.5	105866	25
WSD 2.5	105876	25	WSD 2.5	105876	25	WSD 2.5	105876	25	WSD 2.5	105876	25
ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20
ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240
STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20
DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500
DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500
ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480

\* Approvals applied for      \*\* The rated current is limited to 1 A by using the diode plug with Diode type 1 N 4007, reverse voltage 1000 V, current 1 A  
 \*\*\* Ferrules crimped gas-tight  
 \*\*\*\* Standard pack includes 100 strips for 10 poles each

## Fuse terminal blocks

### ZSI 2.5

for metric fuses



### ZSI 2.5/2

for inch fuses



#### Dimensions

Width / length / height (mm) with TS 35 x 7,5  8/79/74  
 Insulation stripping length mm 10

#### Rated data

Terminal block base:

Rated voltage / current / cross-section  
 Rated impulse voltage / pollution severity  
 to VDE 0110/1.89

#### Fuse switches:

Fuse cartridges to VDE 0820  
 Dissipation at 23 °C and 1.5 x I rated current  
 – Single arrangement W  
 Combined arrangement W

8/79/74  
 10

500 V/6,3 A/2,5 mm<sup>2</sup>  
 6 kV/3

5 x 20 mm

2,5  
 1,6

12/79/74  
 10

500 V/10 A/2,5 mm<sup>2</sup>  
 6 kV/3

1/4" x 1/1/4" (6,3 x 32 mm)

2,5  
 2,5

#### Further technical data

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size

0,5...4  
 0,5...4  
 0,5...2,5  
 0,5...2,5  
 0,13...4 A3

0,5...4  
 0,5...4  
 0,5...2,5  
 0,5...2,5  
 0,13...4 A3

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

600 V/10 A/26...12 AWG  
 600 V/15 A/26...12 AWG

600 V/16 A/26...12 AWG  
 600 V/15 A/26...12 AWG

Ordering data/Version	Rated impulse voltage
Wemid	500 V
Wemid/with 1 LED	250 V~/110 V-
Wemid/with 1 LED	80...120 V~/40...60 V-
Wemid/with 1 LED	30...60 V~/15...30 V-
Wemid/with 1 LED	10...24 V~/5...14 V-
Wemid/with 1 LED	24 V-

Type	Cat. No.	Qty.
ZSI 2.5	161640	50
ZSI 2.5/LD	161641	50
ZSI 2.5/LD	161642	50
ZSI 2.5/LD	161643	50
ZSI 2.5/LD	161644	50
ZSI 2.5/LD	161645	50

Type	Cat. No.	Qty.
ZSI 2.5	161646	25
ZSI 2.5/2LD	161650	25
ZSI 2.5/2LD	161649	25
ZSI 2.5/2LD	161648	25
ZSI 2.5/2LD	161647	25

End plate / partition	Version
	Wemid
	Blue Wemid
	Orange PA
	Wemid

ZAP/TW3	160880	50
ZAP/TW3BBL	160881	50
ZAP/TW3OR	160882	50
ZAP TNHE/ZSI 2.5	161084	25

ZAP TNHE/ZSI 2.5	161084	25
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#### Cross-connection

ZQV 	ZQV 6/2	162785	60
	ZQV 6/3	162786	60
	ZQV 6/4	162787	60

ZQV 6/2	162785	60
ZQV 6/3	162786	60
ZQV 6/4	162787	60

ZQS 2.5/2	163320	20
ZQS 2.5/3	163321	20
ZQS 2.5/4	163322	20
ZQS 2.5/5	163323	20

Test adapter	Version
ZTA 	Without pin
	With pin

ZTA 1	160904	25
ZTA 1/ZA	160905	25

ZTA 1	160904	25
ZTA 1/ZA	160905	25

#### Screwdriver

SD to DIN 5264-A 	SD 0,6 x 3,5	902423	1
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SD 0,6 x 3,5	902423	1
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SD 0,6 x 3,5	902423	1
--------------	--------	---

#### Group marking

ZGB 	ZGB 30	161193	20
ESO	Blank snap-on tag	ESO 7	160772
STR	Transparent protective cover	STR 7	051530

ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

Marking tags	Print
DEK 5 	Consecutive horizontal
DEK 5	Consecutive vertical
ZS 10 	Blank
ZS 10	Printed
WS 10	Blank
WS 10	vertical Printed
WS 10	horizontal Printed

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480
WS 10/5	106086	200
WS 10/5	144706	200
WS 10/5	144716	200

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480
WS 10/5	106086	200
WS 10/5	144706	200
WS 10/5	144716	200

See page 2/60 as well as section 3 for additional accessories

\*\*\* Ferrules crimped gas-tight

Cat.-Nr. for G-fuse inserts see Page 2/93

#### Fitting the ZAP TNHE 2.5 end plate

The end plates are supplied individually and are only required as a cover for the fuse holder at the end of a terminal strip. The end plate can be used for the ZSI 2.5 and ZSI 2.5/2.



#### Fitting the ZSI 2.5/... cross connect link

Before fitting the cross connect link, the cross connect link window must be removed. Do not break out the side window of the last terminal.

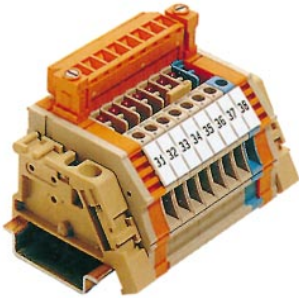


## Modular terminal blocks for plug-in connectors

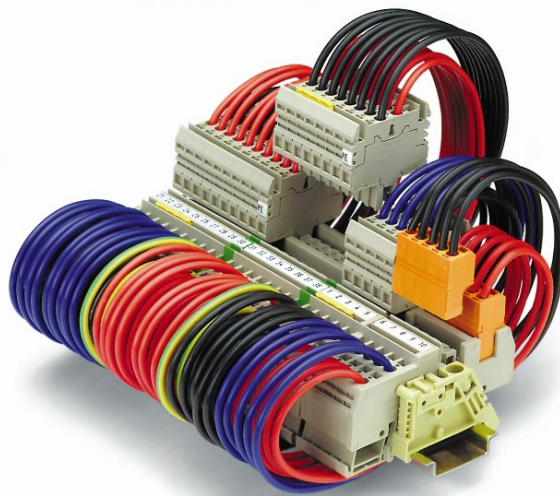
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

Terminal blocks using plug-in connectors are tailor-made for this type of application. They enable functional units to be replaced rapidly, and the control system can be supplemented or modified without any problems.

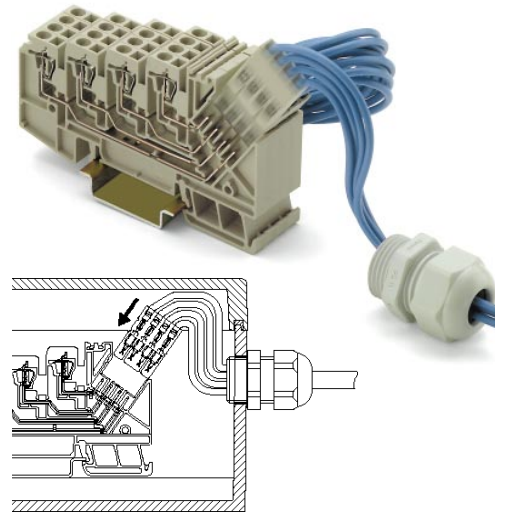
### WDU 2.5/BLZ WDK 2.5/BLZ



### ZKBD 2.5/1.5 ZKSD 2.5/1.5



### ZRV 1.5



All types can be coded without reducing the number of available connections. The terminals can be used for up to 20 or 18.5 A. The WDK version saves significantly on space as it not only takes up less room along the mounting rail, but also across, as two identical connectors can be plugged in from the top.

- pitch: 5.08 and 7.62 mm
- rated voltage: 250 and 500 V
- versions with LED's
- mounting brackets for firmly securing plug-in connectors
- for BLZ and BLA systems

The prime feature of the new ZKBD and ZKSD terminal blocks for plug-in connectors is their modular construction. This system employs terminal block technology where ZKBD and ZKSD form the base terminals and ZSLD and ZBLD are the plug-in connectors. The Weidmüller tension clamp system is used to connect the conductors. This system enables functional units to be prefitted as well as tested with test plugs. This applies equally to the reciprocal component which could be a terminal strip wired up to a machine, or in a lift, tram or underground railway, etc.

- modular construction; plug-in connectors for between 2 and 12 poles
- base terminal as well as plug-in connector are each equipped with two connections and two cross-connection channels
- coding system that does not reduce number of poles
- resistant to shaking or vibrations
- no end or partition plates required, therefore no break in the pitch and less planning effort

On account of its low height of 55 mm (plus space taken up by loop in cable), this system can even be mounted inside very flat enclosures. The width of only 5 mm and the 4 through-connections reduce the length of the terminal block assemblies and make more space available inside the control cabinet. Conductors are attached on the terminal side by means of tension clamp connections using a top-entry system, and on the plug-in connector side by crimped contacts. The ZRV 1.5 is available as either a plain feedthrough terminal or combined with a PE connection. Reciprocally coded plugs, which cannot be connected the wrong way round, are available for both the plain feedthrough terminal and the feedthrough terminal with PE connection. It is also possible to fit these plugs through PG 11 gland entries, so that a PG threaded cable gland can be attached to the cable in advance. As cross-connections are possible within each of the 4 levels, voltages can be distributed systematically or even linked circuits can be created.



## ZRV 1.5

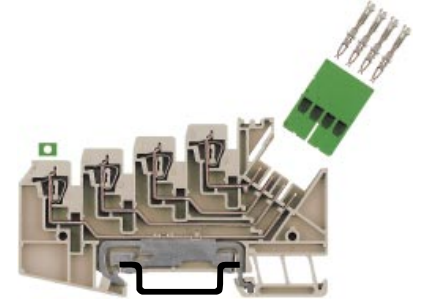
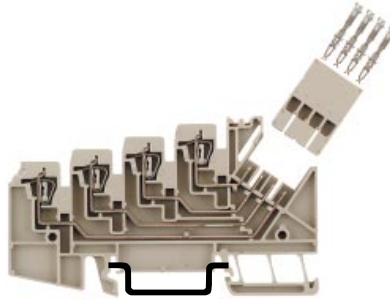
### Terminal block for plug-in connectors

## ZRV 1.5

## STGH ZRV 1.5

## ZRV 1.5PE

## STGH ZRV 1.5/PE



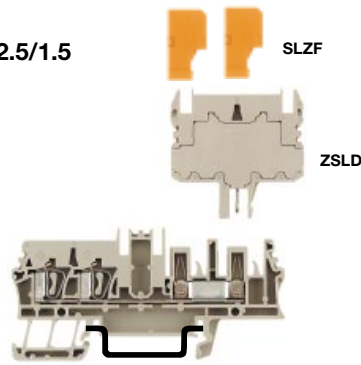
Dimensions	Base terminal	Plug-in connector	Base terminal	Plug-in connector
Width / length / height (mm)		5,0/23,0/16,8		5,0/23,0/16,8
Width / length / height (mm) with TS 35 x 7,5	5,0/89,2/51,8	-	5,0/89,2/51,8	-
Including plugged connector:				
Width / length / height (mm) with TS 35 x 7,5	5,0/89,2/55,0	-	5,0/89,2/55,0	-
Insulation stripping length/clamping screw/screwdriver blade	8 mm/-/-	4 mm/-/-	8 mm/-/-	4 mm/-/-
<b>VDE rated data, VDE 0611</b>				
Rated voltage / current / cross-section	63 V/4 A/1,5 mm <sup>2</sup>	63 V/4 A/1,0 mm <sup>2</sup>	63 V/4 A/1,5 mm <sup>2</sup>	63 V/4 A/1,0 mm <sup>2</sup>
<b>Further technical data</b>				
Clampable conductor:	mm <sup>2</sup> Tension clamp connection	Tension clamp connection	Tension clamp connection	Tension clamp connection
solid H07V-U	mm <sup>2</sup> 0,13...2,5	-	0,13...2,5	-
flexible H07V-K	mm <sup>2</sup> 0,5...2,5	-	0,5...2,5	-
with ferrule to DIN 46 228/1	mm <sup>2</sup> 0,5...2,5	0,2...0,35/0,5...1,0	0,5...2,5	0,2...0,35/0,5...1,0
with ferrule with plastic insulating collar	mm <sup>2</sup> 0,5...1,5	-	0,5...1,5	-
Max. Clamping Range in mm <sup>2</sup>	0,5...1,5	-	0,5...1,5	-
Gauge pin to IEC 947-1/1988	Size 0,13...2,5 A1	-	0,13...2,5 A1	-
<b>UL / CSA rated data</b>				
Voltage / current / conductor size	UL 150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG
Voltage / current / conductor size	CSA submitted	submitted	submitted	submitted
<b>Ordering data</b>	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
	ZRV 1.5 <b>169816</b> 50	STGH ZRV 1.5 <b>169819</b> 50	ZRV 1.5 PE <b>169817</b> 50	STGH ZRV1.5/PE <b>169820</b> 50
<b>Crimp contacts/Crimping tool</b>				
0,2...0,35 mm <sup>2</sup>		<b>170533</b> 5000		<b>170533</b> 5000
0,2...0,35 mm <sup>2</sup>		<b>170531</b> 500		<b>170531</b> 500
0,5...1,0 mm <sup>2</sup>		<b>170534</b> 5000		<b>170534</b> 5000
0,5...1,0 mm <sup>2</sup>		<b>170532</b> 500		<b>170532</b> 500
Crimping tool HTF - ZRV		<b>901484</b> 1		<b>901484</b> 1
Crimping insert		<b>170535</b> 1		<b>170535</b> 1
<b>End Plate</b>				
	AP ZRV1.5 <b>169818</b> 10	-	AP ZRV1.5 <b>169818</b> 10	-
<b>Cross-connection</b>				
ZQV 2.5	2-pole ZQV 2.5/2 <b>160886</b> 60		ZQV 2.5/2 <b>160886</b> 60	
	3-pole ZQV 2.5/3 <b>160887</b> 60		ZQV 2.5/3 <b>160887</b> 60	
	4-pole ZQV 2.5/4 <b>160888</b> 60		ZQV 2.5/4 <b>160888</b> 60	
	5-pole ZQV 2.5/5 <b>160889</b> 20		ZQV 2.5/5 <b>160889</b> 20	
	7-pole ZQV 2.5/7 <b>160191</b> 20		ZQV 2.5/7 <b>160191</b> 20	
	8-pole ZQV 2.5/8 <b>160192</b> 20		ZQV 2.5/8 <b>160192</b> 20	
	9-pole ZQV 2.5/9 <b>160193</b> 20		ZQV 2.5/9 <b>160193</b> 20	
	10-pole ZQV 2.5/10 <b>160194</b> 20		ZQV 2.5/10 <b>160194</b> 20	
	50-pole* ZQV 2.5/50 <b>169754</b> 20		ZQV 2.5/50 <b>169754</b> 20	
<b>Screwdriver</b>				
SD to DIN 5264-A	SD 0,6 x 3,5 <b>902423</b> 1		SD 0,6 x 3,5 <b>902423</b> 1	
<b>Marking tags</b>				
	dekafix, WS 10	E-Fix unprinted	dekafix, WS 10	E-Fix unprinted
		<b>157372</b> Var.0002		<b>157372</b> Var.0002

See page 2/60 as well as section 3 for additional accessories

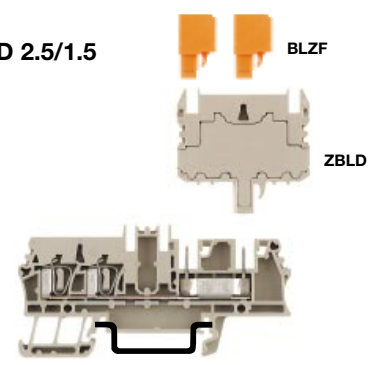
\* Cross-connection can be easily cut off for required number of poles

**Pluggable Terminal blocks**

**ZKBD 2.5/1.5**



**ZKSD 2.5/1.5**



**Dimensions**

Width / length / height plugged in (mm) with TS 35 x 7,5 Insulation stripping length mm

**Bemessungsdaten**

Rated voltage / current / cross-section Rated insulation voltage to VDE 0110 / 2.89 / pollution severity

**Further technical data**

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

**UL / CSA rated data**

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

**Ordering data**

Base terminal block Version Wemid

Connector

**ZKBD / ZSLD ZKBD / SLZF**

5/79/62 5/79/49  
 8 7

250 V/16 A/2,5 mm<sup>2</sup> 250 V/16 A/1,5 mm<sup>2</sup>  
 4 kV/3 4 kV/3

0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 <sup>1)</sup>	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	

**Ordering data**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKBD 2.5 /1.5	<b>168826</b>	100			
ZSLD 2.5/1.5/2	<b>168828</b>	25	SLZF 5,08/2	<b>167945</b>	100
ZSLD 2.5/1.5/3	<b>168829</b>	25	SLZF 5,08/3	<b>167946</b>	100
ZSLD 2.5/1.5/4	<b>168889</b>	25	SLZF 5,08/4	<b>167947</b>	100
ZSLD 2.5/1.5/5	<b>168890</b>	20	SLZF 5,08/5	<b>167948</b>	50
ZSLD 2.5/1.5/6	<b>168891</b>	20	SLZF 5,08/6	<b>167949</b>	50
ZSLD 2.5/1.5/7	<b>168892</b>	20	SLZF 5,08/7	<b>167950</b>	50
ZSLD 2.5/1.5/8	<b>168893</b>	20	SLZF 5,08/8	<b>167951</b>	50
ZSLD 2.5/1.5/9	<b>168894</b>	10	SLZF 5,08/9	<b>167952</b>	50
ZSLD 2.5/1.5/10	<b>168895</b>	10	SLZF 5,08/10	<b>167953</b>	50
ZSLD 2.5/1.5/11	<b>168896</b>	10	SLZF 5,08/11	<b>167954</b>	50
ZSLD 2.5/1.5/12	<b>168897</b>	10	SLZF 5,08/12	<b>167955</b>	50

**ZKSD / ZBLD ZKSD / BLZF**

5/79/62 5/79/49  
 8 7

250 V/16 A/2,5 mm<sup>2</sup> 250 V/16 A/1,5 mm<sup>2</sup>  
 4 kV/3 4 kV/3

0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 <sup>1)</sup>	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	

**Ordering data**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKSD 2.5 /1.5	<b>169761</b>	100			
ZBLD 2.5/1.5/2	<b>169763</b>	25	BLZF 5.08/2	<b>167991</b>	100
ZBLD 2.5/1.5/3	<b>169764</b>	25	BLZF 5.08/3	<b>167992</b>	100
ZBLD2.5/1.5/4	<b>169765</b>	25	BLZF 5.08/4	<b>167993</b>	100
ZBLD2.5/1.5/5	<b>169766</b>	20	BLZF 5.08/5	<b>167994</b>	50
ZBLD2.5/1.5/6	<b>169767</b>	20	BLZF 5.08/6	<b>167995</b>	50
ZBLD2.5/1.5/7	<b>169768</b>	20	BLZF 5.08/7	<b>167996</b>	50
ZBLD2.5/1.5/8	<b>169769</b>	20	BLZF 5.08/8	<b>167997</b>	50
ZBLD2.5/1.5/9	<b>169770</b>	10	BLZF 5.08/9	<b>167998</b>	50
ZBLD2.5/1.5/10	<b>169771</b>	10	BLZF 5.08/10	<b>167999</b>	50
ZBLD2.5/1.5/11	<b>169772</b>	10	BLZF 5.08/11	<b>168000</b>	50
ZBLD2.5/1.5/12	<b>169773</b>	10	BLZF 5.08/12	<b>168001</b>	50

**End plate / partition/Fixing bracket**

ZAP Wemid Orange PA Orange PA

**Cross-connection**

ZQV 2.5

ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20

**Test adapter**

ZTA Wemid With pin



**Screwdriver**

SD to DIN 5264-A

**Group marking**

ZGB Blank snap-on tag  
 ESO Transparent protective cover  
 STR

**Reducing sleeves\*\*\***

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey

**Marking tags**

DEK Consecutive horizontal  
 DEK Consecutive vertical  
 ZS 10 Blank  
 ZS 10 Printed

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20  
 ESO 7 **160772** 240  
 STR 7 **051530** 20

ZRH 1.5H /1 **167881** 100 ZRH 1.5N /1 **163214** 100  
 ZRH 1.5H /2 **167880** 100 ZRH 1.5N /2 **163213** 100  
 ZRH 1.5H /3 **167879** 100 ZRH 1.5N /3 **163212** 100

DEK 5 **047346** 500  
 DEK 5 **047356** 500  
 ZS 10/5 **161000** 480  
 ZS 10/5 **161001** 480

**Ordering data**

ZAP/TW 3	<b>160880</b>	50	ZAP 6	<b>168830</b>	50
ZAP/TW 3	<b>160882</b>	50	ZAP 6	<b>168833</b>	50
ZVR	<b>168834</b>	20	ZAP/VR 1	<b>168831</b>	50

ZQV 2.5/2	<b>160886</b>	60
ZQV 2.5/3	<b>160887</b>	60
ZQV 2.5/4	<b>160888</b>	60
ZQV 2.5/5	<b>160889</b>	20
ZQV 2.5/6	<b>160890</b>	20
ZQV 2.5/7	<b>160891</b>	20
ZQV 2.5/8	<b>160892</b>	20
ZQV 2.5/9	<b>160893</b>	20
ZQV 2.5/10	<b>160894</b>	20
ZQV 2.5/50	<b>169754</b>	20

ZTA 4/ZA **168811** 25

SD 0,6 x 3,5 **902423** 1

ZGB 30 **161193** 20  
 ESO 7 **160772** 240  
 STR 7 **051530** 20

ZRH 1.5H /1 **167881** 100 ZRH 1.5N /1 **163214** 100  
 ZRH 1.5H /2 **167880** 100 ZRH 1.5N /2 **163213** 100  
 ZRH 1.5H /3 **167879** 100 ZRH 1.5N /3 **163212** 100

DEK 5 **047346** 500  
 DEK 5 **047356** 500  
 ZS 10/5 **161000** 480  
 ZS 10/5 **161001** 480

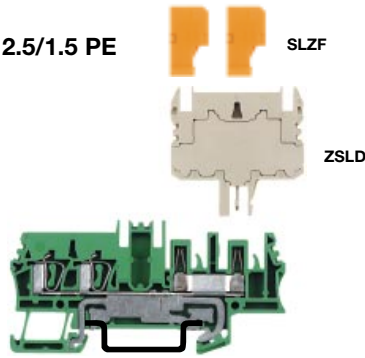
See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
 \*\* Ferrules crimped gas-tight  
 \*\*\* Standard pack includes 100 strips for 10 poles each

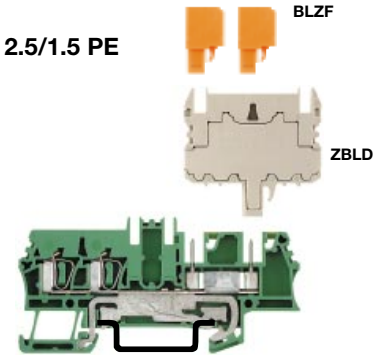
<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

## Pluggable Ground Terminal block

### ZKBD 2.5/1.5 PE



### ZKSD 2.5/1.5 PE



#### Dimensions

Width / length / height plugged in (mm) with TS 35 x 7,5 mm  
 Insulation stripping length mm

#### Rated data

Rated voltage / current PEN / cross-section  
 Rated voltage / rated impulse voltage / pollution severity  
 to VDE 0110/1.89 to adjacent terminal

#### Further technical data

Clampable conductor:  
 solid H07V-U mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>  
 with ferrule with plastic insulating collar\*\* mm<sup>2</sup>  
 Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

#### Ordering data

Base terminal block Version Green/yellow Wemid

#### Connector

#### ZKBD PE / ZSLD ZKBD PE / SLZF

5/79/62 5/79/49  
 8 7

-V/-A/2,5 mm<sup>2</sup> -V/-A/1,5 mm<sup>2</sup>  
 250 V/4 kV/3 250 V/4 kV/3

#### Ordering data

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKBD 2.5 / 1.5 PE	168827	100			
ZSLD 2.5/1.5/2	168828	25	SLZF 5,08/2	167945	100
ZSLD 2.5/1.5/3	168829	25	SLZF 5,08/3	167946	100
ZSLD 2.5/1.5/4	168889	25	SLZF 5,08/4	167947	100
ZSLD 2.5/1.5/5	168890	20	SLZF 5,08/5	167948	50
ZSLD 2.5/1.5/6	168891	20	SLZF 5,08/6	167949	50
ZSLD 2.5/1.5/7	168892	20	SLZF 5,08/7	167950	50
ZSLD 2.5/1.5/8	168893	20	SLZF 5,08/8	167951	50
ZSLD 2.5/1.5/9	168894	10	SLZF 5,08/9	167952	50
ZSLD 2.5/1.5/10	168895	10	SLZF 5,08/10	167953	50
ZSLD 2.5/1.5/11	168896	10	SLZF 5,08/11	167954	50
ZSLD 2.5/1.5/12	168897	10	SLZF 5,08/12	167955	50

#### ZKSD PE / ZBLD ZKSD PE / BLZF

5/79/62 5/79/49  
 8 7

-V/-A/2,5 mm<sup>2</sup> -V/-A/1,5 mm<sup>2</sup>  
 250 V/4 kV/3 250 V/4 kV/3

#### Ordering data

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKSD 2.5/1.5 PE	169762	100			
ZBLD 2.5/1.5/2	169763	25	BLZF 5.08/2	167991	100
ZBLD 2.5/1.5/3	169764	25	BLZF 5.08/3	167992	100
ZBLD 2.5/1.5/4	169765	25	BLZF 5.08/4	167993	100
ZBLD 2.5/1.5/5	169766	20	BLZF 5.08/5	167994	50
ZBLD 2.5/1.5/6	169767	20	BLZF 5.08/6	167995	50
ZBLD 2.5/1.5/7	169768	20	BLZF 5.08/7	167996	50
ZBLD 2.5/1.5/8	169769	20	BLZF 5.08/8	167997	50
ZBLD 2.5/1.5/9	169770	10	BLZF 5.08/9	167998	50
ZBLD 2.5/1.5/10	169771	10	BLZF 5.08/10	167999	50
ZBLD 2.5/1.5/11	169772	10	BLZF 5.08/11	168000	50
ZBLD 2.5/1.5/12	169773	10	BLZF 5.08/12	168001	50

#### End plate / partition/Fixing bracket Version

ZAP Wemid  
 Orange PA  
 Orange PA



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZAP/TW 3	160880	50	ZAP 6	168830	50
ZAP/TW 3	160882	50	ZAP 6	168833	50
ZVR	168834	20	ZAP/VR 1	168831	50

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZAP/TW 3	160880	50	ZAP 6	168830	50
ZAP/TW 3	160882	50	ZAP 6	168833	50
ZVR	168834	20	ZAP/VR 1	168831	50

#### Support block

SH For insulation of mounting rails in insulated-earth installations



SH 2 049492 10

SH 2 049492 10

#### Test adapter Version

ZTA With pin



ZTA 4/ZA 168811 25

ZTA 4/ZA 168811 25

#### Screwdriver

SD to DIN 5264-A



SD 0,6 x 3,5 902423 1

SD 0,6 x 3,5 902423 1

#### Group marking

ZGB Blank snap-on tag  
 ESO Transparent protective cover  
 STR



ZGB 30	161193	20			
ESO 7	160772	240			
STR 7	051530	20			

ZGB 30	161193	20			
ESO 7	160772	240			
STR 7	051530	20			

#### Reducing sleeves\*\*\* Colour

ZRH for conductor 0,13...0,2 mm<sup>2</sup> White  
 ZRH for conductor 0,25...0,5 mm<sup>2</sup> Grey  
 ZRH for conductor 0,75...1 mm<sup>2</sup> Dark grey



ZRH 1.5H /1	167881	100	ZRH 1.5N /1	163214	100
ZRH 1.5H /2	167880	100	ZRH 1.5N /2	163213	100
ZRH 1.5H /3	167879	100	ZRH 1.5N /3	163212	100

ZRH 1.5H /1	167881	100	ZRH 1.5N /1	163214	100
ZRH 1.5H /2	167880	100	ZRH 1.5N /2	163213	100
ZRH 1.5H /3	167879	100	ZRH 1.5N /3	163212	100

#### Marking tags Print

DEK Consecutive horizontal  
 DEK Consecutive vertical  
 ZS 10 Blank  
 ZS 10 Printed



DEK 5	047346	500			
DEK 5	047356	500			
ZS 10/5	161000	480			
ZS 10/5	161001	480			

DEK 5	047346	500			
DEK 5	047356	500			
ZS 10/5	161000	480			
ZS 10/5	161001	480			

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for \*\* Ferrules crimped gas-tight \*\*\* Standard pack includes 100 strips for 10 poles each

1) Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

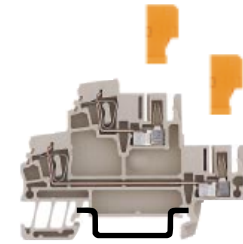
**Pluggable  
Terminal blocks**

**ZDKS**

**ZDKB**



**BLZF**



**SLZF**

Dimensions	
Width / length / height plugged in (mm)	with TS 35 x 7,5
Insulation stripping length	mm

Rated data	
Rated voltage / current / cross-section	
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity	

Further technical data	
Clampable conductor:	
solid H07V-U	mm <sup>2</sup>
flexible H07V-K	mm <sup>2</sup>
with ferrule to DIN 46 228/1**	mm <sup>2</sup>
with ferrule with plastic insulating collar**	mm <sup>2</sup>
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size
Continuous current rating of cross-connection 2-pole	A
Continuous current rating of cross-connection multipole	A

UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

Ordering data	Version
Base terminal block	Wemid

Connector

End plate / partition/Verriegelung	Version
ZAP	Wemid
ZVR	Beige PA
ZVR	grün PA

Cross-connection	
ZQV 2.5	

Test adapter	Version
ZTA	With pin

Screwdriver	
SD to DIN 5264-A	

Group marking	
ZGB	Blank snap-on tag
ESO	Transparent protective cover
STR	

Reducing sleeves***	Colour
ZRH for conductor 0,13...0,2 mm <sup>2</sup>	White
ZRH for conductor 0,25...0,5 mm <sup>2</sup>	Grey
ZRH for conductor 0,75...1 mm <sup>2</sup>	Dark grey

Marking tags	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
ZS 10	Blank
ZS 10	Printed

See page 2/60 as well as section 3 for additional accessories

ZDKS	BLZF
5/79/62	5/79/49
8	7

250 V/16 A/2,5 mm <sup>2</sup>	250 V/16 A/1,5 mm <sup>2</sup>
4 kV/3	4 kV/3

0,5...2,5	0,5...2,5		
0,5...2,5	0,5...2,5		
0,5...1,5 <sup>1)</sup>	0,5...1,5		
0,5...1,5	0,5...1,5		
0,13...2,5	A2	0,13...2,5	A1
16		16	
16		16	

*		*	
*		*	

Type	Cat. No.	Qty.
ZDKS	<b>169961</b>	100

BLZF 5.08/2	<b>167991</b>	100
BLZF 5.08/3	<b>167992</b>	100
BLZF 5.08/4	<b>167993</b>	100
BLZF 5.08/5	<b>167994</b>	50
BLZF 5.08/6	<b>167995</b>	50
BLZF 5.08/7	<b>167996</b>	50
BLZF 5.08/8	<b>167997</b>	50
BLZF 5.08/9	<b>167998</b>	50
BLZF 5.08/10	<b>167999</b>	50
BLZF 5.08/11	<b>168000</b>	50
BLZF 5.08/12	<b>168001</b>	50

ZAP/ZDKB/ZDKS	<b>169962</b>	20
ZVR2 ZDKS 2.5/1.5	<b>169964</b>	20

ZQV 2.5N/2	<b>169380</b>	60
ZQV 2.5N/3	<b>169381</b>	60
ZQV 2.5N/4	<b>169382</b>	60
ZQV 2.5N/5	<b>169383</b>	20
ZQV 2.5N/6	<b>169384</b>	20
ZQV 2.5N/7	<b>169385</b>	20
ZQV 2.5N/8	<b>169386</b>	20
ZQV 2.5N/9	<b>169387</b>	20
ZQV 2.5N/10	<b>169388</b>	20
ZQV 2.5N/50	<b>169389</b>	5

ZTA 4/ZA	<b>168811</b>	25
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SD 0,6 x 3,5	<b>902423</b>	1
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ZGB 30	<b>161193</b>	20
ESO 7	<b>160772</b>	240
STR 7	<b>051530</b>	20

ZDKS	BLZF		
ZRH 1.5H /1	<b>167881</b> 100	ZRH 1.5N /1	<b>163214</b> 100
ZRH 1.5H /2	<b>167880</b> 100	ZRH 1.5N /2	<b>163213</b> 100
ZRH 1.5H /3	<b>167879</b> 100	ZRH 1.5N /3	<b>163212</b> 100

DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

ZDKB	SLZF
5/79/62	5/79/49
8	7

250 V/16 A/2,5 mm <sup>2</sup>	250 V/16 A/1,5 mm <sup>2</sup>
4 kV/3	4 kV/3

0,5...2,5	0,5...2,5		
0,5...2,5	0,5...2,5		
0,5...1,5 <sup>1)</sup>	0,5...1,5		
0,5...1,5	0,5...1,5		
0,13...2,5	A2	0,13...2,5	A1
16		16	
16		16	

*		*	
*		*	

Type	Cat. No.	Qty.
ZDKB	<b>169960</b>	100

SLZF 5.08/2	<b>167945</b>	100
SLZF 5.08/3	<b>167946</b>	100
SLZF 5.08/4	<b>167947</b>	100
SLZF 5.08/5	<b>167948</b>	50
SLZF 5.08/6	<b>167949</b>	50
SLZF 5.08/7	<b>167950</b>	50
SLZF 5.08/8	<b>167951</b>	50
SLZF 5.08/9	<b>167952</b>	50
SLZF 5.08/10	<b>167953</b>	50
SLZF 5.08/11	<b>167954</b>	50
SLZF 5.08/12	<b>167955</b>	50

ZAP/ZDKB/ZDKS	<b>169962</b>	20
ZVR1 ZDKS 2.5/1.5	<b>169963</b>	20

ZQV 2.5N/2	<b>169380</b>	60
ZQV 2.5N/3	<b>169381</b>	60
ZQV 2.5N/4	<b>169382</b>	60
ZQV 2.5N/5	<b>169383</b>	20
ZQV 2.5N/6	<b>169384</b>	20
ZQV 2.5N/7	<b>169385</b>	20
ZQV 2.5N/8	<b>169386</b>	20
ZQV 2.5N/9	<b>169387</b>	20
ZQV 2.5N/10	<b>169388</b>	20
ZQV 2.5N/50	<b>169389</b>	5

ZTA 4/ZA	<b>168811</b>	25
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SD 0,6 x 3,5	<b>902423</b>	1
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ZGB 30	<b>161193</b>	20
ESO 7	<b>160772</b>	240
STR 7	<b>051530</b>	20

ZDKB	SLZF		
ZRH 1.5H /1	<b>167881</b> 100	ZRH 1.5N /1	<b>163214</b> 100
ZRH 1.5H /2	<b>167880</b> 100	ZRH 1.5N /2	<b>163213</b> 100
ZRH 1.5H /3	<b>167879</b> 100	ZRH 1.5N /3	<b>163212</b> 100

DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

## ZDUB 2.5-2

### Miniblocks in tension clamp technology

New family of miniature block terminals incorporating the tension clamp connection system and offering four different options for mounting.

- 1 Fitted without a mounting rail directly onto any supporting unit by means of external screws
- 1 Fitted without a mounting rail directly onto base panels by means of integrated snap-in clips
- 1 Fitted onto TS15 mounting rails in accordance with DIN EN 50 045
- 1 Option for fitting onto TS15 and TS 35 mounting rails by retrofitting a snap-on foot to direct-mounting versions

With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By assigning different colours to individual groups of connections, a clear division can be made between different circuits.

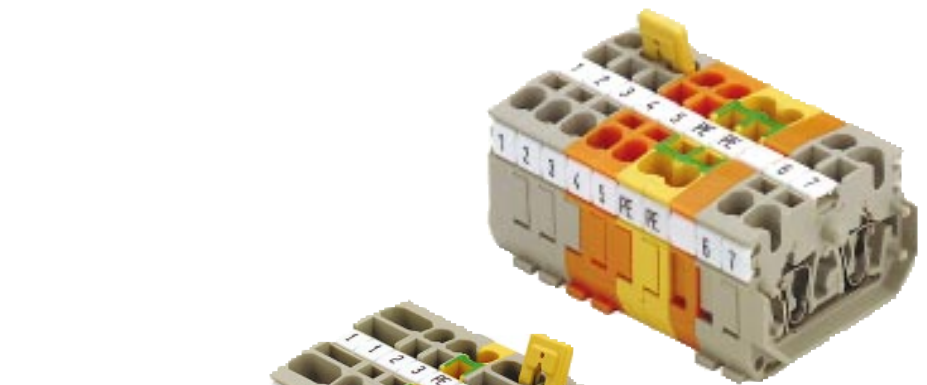
With an overall width of either 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees absolute clarity when the blocks are wired up. Even in terminal boxes where space is limited, the wiring remains neat and comprehensible.

With three options for marking, each individual block terminal can be identified quickly and unambiguously.

All block terminals are made from high-quality Weidmüller WEMID insulating material which conforms to the UL94 V0 flammability rating.

#### Summary of advantages

- 1 Four different mounting options
- 1 Two versions
  - 5 mm width with 2 connections
  - 10 mm width with 4 connections
- 1 Space-saving creation of individual blocks by combining 2 and 4-connection versions
- 1 TOP connection system guarantees clarity after terminals have been wired up
- 1 UL94 V0 flammability rating



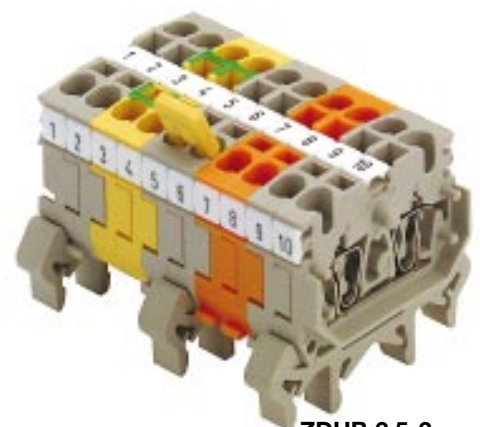
**ZDUB 2.5-2**  
Direct mounting



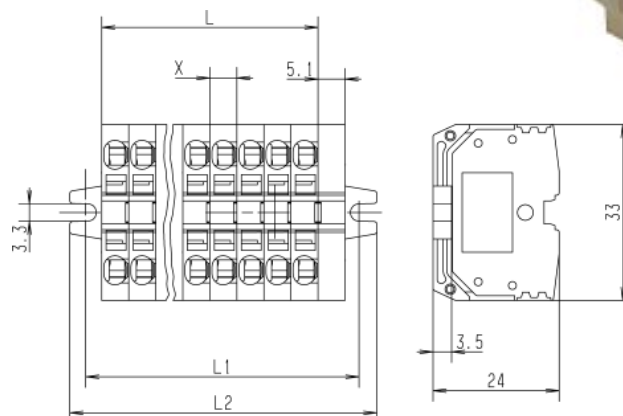
**ZDUB 2.5-2**  
Snap-in clips



**ZDUB 2.5-2**  
TS15



**ZDUB 2.5-2**  
TS15 / TS35



#### Rated data IEC 947-7-1

Rated voltage 800 V  
 Rated current 24 A  
 Rated cross-section 2,5 mm<sup>2</sup>

#### Drilling plan (Dimensions in mm)

$L = (X \text{ terminals} \times 5,15) + (X \text{ terminals} \times 10,25)$   
 $L1 = L + 11,0$   
 $L2 = L + 17,0$   
 Fixing screw M 3

## Miniblocks

### ZDUB 2.5-2/2AN

Direct mounting

### ZDUB 2.5-2/4AN

Direct mounting

### ZDUB 2.5-2/2AN

Snap-in clips

### ZDUB 2.5-2/4AN

Snap-in clips



2) ↑↓ 5 mm



2) ↑↓ 5 mm



#### Dimensions

Width / length / height (mm) with TS 15 mm

Insulation stripping length mm

#### Rated data IEC 947-1

Rated voltage / current / cross-section

Rated insulation voltage to the neighbor terminals

Rated impulse voltage / pollution severity

#### Further technical data

Clampable conductor:

solid H07V-U mm<sup>2</sup>

flexible H07V-K mm<sup>2</sup>

with ferrule to DIN 46 228/1\*\* mm<sup>2</sup>

with ferrule with plastic insulating collar\* mm<sup>2</sup>

Max. Clamping Range in mm<sup>2</sup>/Gauge pin to IEC 947-1/1988 Size

5/33/24

10

800 V/24 A/2,5 mm<sup>2</sup>

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5<sup>1)</sup>

0,5...1,5<sup>1)</sup>

0,13...2,5 A2

10/33/24

10

800 V/24 A/2,5 mm<sup>2</sup>

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5<sup>1)</sup>

0,5...1,5<sup>1)</sup>

0,13...2,5 A2

5/33/24

10

800 V/24 A/2,5 mm<sup>2</sup>

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5<sup>1)</sup>

0,5...1,5<sup>1)</sup>

0,13...2,5 A2

10/33/24

10

800 V/24 A/2,5 mm<sup>2</sup>

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5<sup>1)</sup>

0,5...1,5<sup>1)</sup>

0,13...2,5 A2

#### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

#### Ordering data

#### Version

**Centreterminals ZDUB 2.5-2/2AN and 4AN** beige Wernid  
to be used with TS 15 or Clip versions, blue Wernid  
in case each individual terminal is not orange PA  
equipped with clip or foot yellow/green Wernid

#### Endterminal ZDUB 2.5-2

with flange. beige Wernid  
blue Wernid

Necessary for customer assembly of orange PA  
individual No. of poles yellow/green Wernid

#### Multipole terminals ZDUB 2.5-2

2 pol  
Special versions out off 2AN and 4An  
as well as other colours will be supplied  
upon customer request.  
3 pol  
4 pol  
5 pol  
7-pole  
8-pole  
9-pole  
10-pole  
11-pole  
12-pole

Type	Cat. No.	Qty.
2AN/DM	<b>170435</b>	100
2AN/DM BL	<b>170436</b>	100
2AN/DM OR	<b>170437</b>	100
2AN/DM GE	<b>170438</b>	100

Type	Cat. No.	Qty.
4AN/DM	<b>170454</b>	100
4AN/DM BL	<b>170455</b>	100
4AN/DM OR	<b>170456</b>	100
4AN/DM GE	<b>170457</b>	100

Type	Cat. No.	Qty.
2AN/RC	<b>171282</b>	100
2AN/RC BL	<b>171283</b>	100
2AN/RC OR	<b>171284</b>	100
2AN/RC GE	<b>171285</b>	100

Type	Cat. No.	Qty.
4AN/RC	<b>171297</b>	100
4AN/RC BL	<b>171298</b>	100
4AN/RC OR	<b>171299</b>	100
4AN/RC GE	<b>171300</b>	100

Type	Cat. No.	Qty.
2AN/DB	<b>170450</b>	100
2AN/DB BL	<b>170451</b>	100
2AN/DB OR	<b>170452</b>	100
2AN/DB GE	<b>170453</b>	100
2AN/2/DB	<b>170439</b>	50
2AN/3/DB	<b>170440</b>	50
2AN/4/DB	<b>170441</b>	20
2AN/5/DB	<b>170442</b>	20
2AN/6/DB	<b>170443</b>	20
2AN/7/DB	<b>170444</b>	20
2AN/8/DB	<b>170445</b>	10
2AN/9/DB	<b>170446</b>	10
2AN/10/DB	<b>170447</b>	10
2AN/11/DB	<b>170448</b>	10
2AN/12/DB	<b>170449</b>	10

Type	Cat. No.	Qty.
4AN/DB	<b>170469</b>	100
4AN/DB BL	<b>170470</b>	100
4AN/DB OR	<b>170471</b>	100
4AN/DB GE	<b>170472</b>	100
4AN/2/DB	<b>170458</b>	50
4AN/3/DB	<b>170459</b>	50
4AN/4/DB	<b>170460</b>	20
4AN/5/DB	<b>170461</b>	20
4AN/6/DB	<b>170462</b>	20
4AN/7/DB	<b>170463</b>	20
4AN/8/DB	<b>170464</b>	10
4AN/9/DB	<b>170465</b>	10
4AN/10/DB	<b>170466</b>	10
4AN/11/DB	<b>170467</b>	10
4AN/12/DB	<b>170468</b>	10

Type	Cat. No.	Qty.
2AN/2/RC	<b>171286</b>	50
2AN/3/RC	<b>171287</b>	50
2AN/4/RC	<b>171288</b>	20
2AN/5/RC	<b>171289</b>	20
2AN/6/RC	<b>171290</b>	20
2AN/7/RC	<b>171291</b>	20
2AN/8/RC	<b>171292</b>	10
2AN/9/RC	<b>171293</b>	10
2AN/10/RC	<b>171294</b>	10
2AN/11/RC	<b>171295</b>	10
2AN/12/RC	<b>171296</b>	10

Type	Cat. No.	Qty.
4AN/2/RC	<b>171301</b>	50
4AN/3/RC	<b>171302</b>	50
4AN/4/RC	<b>171303</b>	20
4AN/5/RC	<b>171304</b>	20
4AN/6/RC	<b>171305</b>	20
4AN/7/RC	<b>171306</b>	20
4AN/8/RC	<b>171307</b>	10
4AN/9/RC	<b>171308</b>	10
4AN/10/RC	<b>171309</b>	10
4AN/11/RC	<b>171310</b>	10
4AN/12/RC	<b>171311</b>	10

#### Fixing bracket

Necessary for customer assembly of individual No. of poles

#### Clip-on combifoot TS15 / TS35 for direct mounting versions

MOFU 15/35 ZDUB

**172366** 50

ZBB ZDUB

**170474** 50

ZBB ZDUB

**170474** 50

#### End plate

ZAP ZDUB = Thickness 5 mm Wernid

ZAP/TW ZDUA = Thickness 1.5 mm Blue Wernid

Orange Wernid

#### Partition

Thickness 5 mm Orange Wernid

ZTW ZDUB **170434** 50

ZTW ZDUB **170434** 50

ZTW ZDUB **170434** 50

ZTW ZDUB **170434** 50

#### Cross-connection

ZQB 2.5 für ZDUB-Type 2-pole

ZQV 2.5N für ZDUA-Type 3-pole

4-pole

10-pole

ZQB 2.5 **167712** 50

ZQB 2.5 **167712** 50

#### Screwdriver

SD to DIN 5264-A

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1

SD 0,6 x 3,5 **902423** 1



#### Marking tags

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10 Blank

ZS 10 printed **161000** 480

#### Print

Consecutive horizontal

Consecutive vertical

Blank

printed

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

See page 2/60 as well as section 3 for additional accessories

\* Approvals applied for  
\*\* Ferrules crimped gas-tight

<sup>1)</sup> Crimped with Weidmüller-Crimping tool PZ 6/5  
(Cat. No. 901146) 2,5 mm<sup>2</sup> possible too

<sup>2)</sup> Mountinghole for clip ø 3,5 mm  
Steelthickness 0,6 -1,2 mm, pitch 5,1 or 10,2

**ZDUB 2.5-2/2AN**

TS 15



5/33/32
10
800 V/24 A/2,5 mm <sup>2</sup>
8 kV/3
0,5...2,5
0,5...2,5
0,5...1,5 <sup>1)</sup>
0,5...1,5 <sup>1)</sup>
0,13...2,5
A2

- *		
- *		
Type	Cat. No.	Qty.
2AN/15	<b>171275</b>	100
2AN/15 BL	<b>171276</b>	100
2AN/15 OR	<b>171277</b>	100

2AN/2/15	<b>171433</b>	50
2AN/3/15	<b>171434</b>	50
2AN/4/15	<b>171435</b>	20
2AN/5/15	<b>171436</b>	20
2AN/6/15	<b>171437</b>	20
2AN/7/15	<b>171438</b>	20
2AN/8/15	<b>171439</b>	10
2AN/9/15	<b>171440</b>	10
2AN/10/15	<b>171441</b>	10
2AN/11/15	<b>171442</b>	10
2AN/12/15	<b>171443</b>	10

ZAP ZDUB	<b>170475</b>	50
ZAP ZDUB BL	<b>170476</b>	50
ZAP ZDUB OR	<b>170477</b>	50

ZTW ZDUB	<b>170434</b>	50
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ZQB 2.5	<b>167712</b>	50
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SD 0,6 x 3,5	<b>902423</b>	1
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DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

**ZDUB 2.5-2/4AN**

TS 15



10/33/32
10
800 V/24 A/2,5 mm <sup>2</sup>
8 kV/3
0,5...2,5
0,5...2,5
0,5...1,5 <sup>1)</sup>
0,5...1,5 <sup>1)</sup>
0,13...2,5
A2

600V/20A/26...12AWG		
- *		
- *		
Type	Cat. No.	Qty.
4AN/15	<b>171278</b>	100
4AN/15 BL	<b>171279</b>	100
4AN/15 OR	<b>171280</b>	100

4AN/2/15	<b>171444</b>	50
4AN/3/15	<b>171445</b>	50
4AN/4/15	<b>171446</b>	20
4AN/5/15	<b>171447</b>	20
4AN/6/15	<b>171448</b>	20
4AN/7/15	<b>171449</b>	20
4AN/8/15	<b>171450</b>	10
4AN/9/15	<b>171451</b>	10
4AN/10/15	<b>171452</b>	10
4AN/11/15	<b>171453</b>	10
4AN/12/15	<b>171454</b>	10

ZAP ZDUB	<b>170475</b>	50
ZAP ZDUB BL	<b>170476</b>	50
ZAP ZDUB OR	<b>170477</b>	50

ZTW ZDUB	<b>170434</b>	50
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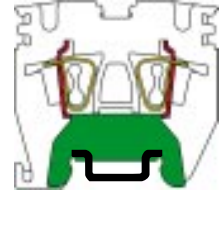
ZQB 2.5	<b>167712</b>	50
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SD 0,6 x 3,5	<b>902423</b>	1
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DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

**ZPEB 2.5-2/2AN**

TS 15



5/33/32
10
<b>IEC 947-7-2</b>
- /-/2,5 mm <sup>2</sup>
800 V
8 kV/3
0,5...2,5
0,5...2,5
0,5...1,5 <sup>1)</sup>
0,5...1,5 <sup>1)</sup>
0,13...2,5
A2

- *		
- *		
Type	Cat. No.	Qty.
2AN/15	<b>171281</b>	100

2AN/2/15	<b>171281</b>	100
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ZAP ZDUB	<b>170475</b>	50
ZAP ZDUB BL	<b>170476</b>	50
ZAP ZDUB OR	<b>170477</b>	50

ZTW ZDUB	<b>170434</b>	50
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SD 0,6 x 3,5	<b>902423</b>	1
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DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

**New miniature terminals in tension clamp technology with modular terminal block features**

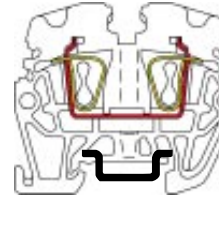
For attaching onto TS 15 mounting rails according to DIN EN 50045. ZDUA / ZPEA enable individual blocks of feed-through and protective conductor terminals to be assembled, whereby each terminal can be removed separately. With an overall width of 5 mm, the TOP connection system guarantees absolute clarity when the blocks are wired up. The time-saving ZQV 2,5N plug-in cross-connection can also be used with this series. Electrical contact is made by the protective conductor terminals automatically when they snap onto the mounting rail. With three options for marking, each individual block terminal can be identified quickly and unambiguously.

**Summary of advantages:**

- For mounting onto TS15 rails according to DIN EN 50045
- Plug-in cross-connections
- Mere 5 mm overall width
- TOP connection system
- UL94 V0 flammability rating

**ZDUA 2.5-2**

TS 15 available Sep. 97



5/35/30,5
10
500 V/24 A/2,5 mm <sup>2</sup>
6 kV / 3
0,5...2,5
0,5...2,5
0,5...1,5 <sup>1)</sup>
0,5...1,5 <sup>1)</sup>
0,13...2,5
A2

- *		
- *		
Type	Cat. No.	Qty.
ZDUA 2.5-2	<b>172092</b>	100
ZDUA 2.5-2 BL	<b>172093</b>	100
ZDUA 2.5-2 OR	<b>172094</b>	100

ZQV 2.5N/2	<b>169380</b>	60
ZQV 2.5N/3	<b>169381</b>	60
ZQV 2.5N/4	<b>169382</b>	60
ZQV 2.5N/10	<b>169388</b>	20

ZAP/TW ZDUA	<b>172096</b>	50
ZAP/TW ZDUA BL	<b>172096</b>	50
ZAP/TW ZDUA OR	<b>172096</b>	50

SD 0,6 x 3,5	<b>902423</b>	1
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DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

**ZPEA 2.5-2**

TS 15 available Sep. 97



5/35/30,5
10
<b>IEC 947-7-2</b>
-- V/-- A/2,5 mm <sup>2</sup>
500 V
6 kV / 3
0,5...2,5
0,5...2,5
0,5...1,5 <sup>1)</sup>
0,5...1,5 <sup>1)</sup>
0,13...2,5
A2

- *		
- *		
Type	Cat. No.	Qty.
ZPEA 2.5-2	<b>172095</b>	100

ZQV 2.5N/2	<b>169380</b>	60
ZQV 2.5N/3	<b>169381</b>	60
ZQV 2.5N/4	<b>169382</b>	60
ZQV 2.5N/10	<b>169388</b>	20

ZAP/TW ZDUA	<b>172096</b>	50
ZAP/TW ZDUA BL	<b>172096</b>	50
ZAP/TW ZDUA OR	<b>172096</b>	50

SD 0,6 x 3,5	<b>902423</b>	1
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DEK 5	<b>047346</b>	500
DEK 5	<b>047356</b>	500
ZS 10/5	<b>161000</b>	480
ZS 10/5	<b>161001</b>	480

## Accessories for the Z series

### ZZA 2.5

Additional terminal for:  
ZDU 2.5, ZDU 2.5/3 AN,  
ZDU 2.5/4 AN, ZTR 2.5  
und ZTR 2.5/3 AN



### ZBW

Actuating tools



### ZST

Bus Support



### ZQB 2.5

Cross-connection bridge



Dimensions									
Width / length / height	mm	6/21/61				10/61/27,5			2,5/8,6/23
Insulation stripping length	mm	10							
Rated data									
Rated voltage / current / cross-section		400 V/17,5 A/2,5 mm <sup>2</sup>							500V/24A
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity		6 kV/3							
Further technical data									
Clampable conductor:									
solid H07V-U	mm <sup>2</sup>	0,5...4							
flexible H07V-K	mm <sup>2</sup>	0,5...4							
with ferrule to DIN 46 228/1**	mm <sup>2</sup>	0,5...2,5							
with ferrule with plastic insulating collar**	mm <sup>2</sup>	0,5...2,5							
Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 Size			A3						

Ordering data	Version	Type			Type			Type			Type		
		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	Wemid	ZZA 2.5	164669	50	ZBW 1	166962	1	ZST	167868	50	ZQB	167712	50
					ZBW 2	165067	1						
					ZBW 3	165068	1						
					ZBW 4	165069	1						
					ZBW 6	165070	1						
					ZBW W	166963	1						

#### Fitting the ZZA 2.5

Place the locating hook in the screwdriver guide of the contact part in the cross connection channel and subsequently press into place. A 6 mm pitch is provided so that each second terminal can be used.



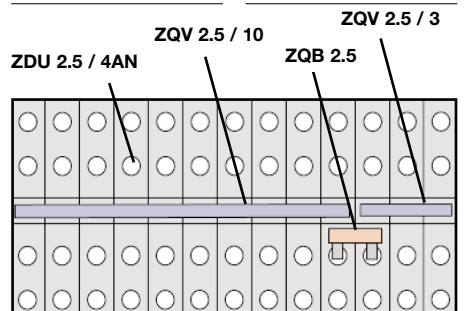
The ZBW 1 - 6 and ZBW W can be used for actuating the 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> terminal clamping units. The ZBW W additionally offers easier access in confined spaces. The plastic actuating tools increase safety when working on energised systems.

The bus support ZST is used to park test plugs, cross-connections and fuse links which are used by service Engineers. The bus support can be locked at the end of a terminal strip on TS 35 mounting rail.

#### Fitting the ZQB 2.5

The cross-connection bridge ZQB 2.5 extends the cross-connection units ZQV 2.5 / ... for the terminals ZDU 2.5 / 3AN and ZDU 2.5 / 4AN. The clamping units are opened with the operation tool ZBW 2, Cat. no.: 165067. Using the ZQB as shown in the drawing, the following rated data can be obtained:

Rated voltage: 500 V  
Rated current: 24 A



#### Marking tags



**Print**  
Consecutive horizontal  
Consecutive vertical  
Blank  
Printed

DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480



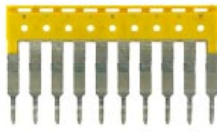
**SFEH**  
Pin header



**ZDUS**  
Screening connection  
terminal block



**ZQV 2.5/50**  
Cross-connection



4,8/83,5/33,5

125 V

Type	Cat. No.	Qty.
SFEH 0.8x1.6/3	<b>168483</b>	20
SFEH 0.8x1.6/2	<b>168482</b>	20
SFEH 1x1 / 3	<b>168481</b>	20
SFEH 1x1 / 2	<b>168480</b>	20
SFEH 0.8x2.4/3	<b>168485</b>	20
SFEH 0.8x2.4/2	<b>168484</b>	20

Type	Cat. No.	Qty.
ZDUS	<b>167664</b>	50

Type	Cat. No.	Qty.
ZQV 2.5/50	<b>169754</b>	20
ZQV 2.5N/50	<b>169389</b>	5

The pin headers SFEH 2- and 3 poles are developed for Termi-Point<sup>®</sup> and Wire-wrap<sup>®</sup> connections within the ZDU 2.5 variants. The rated voltage of the pin headers is 125 V. Max. 3 connections can be connected to each pin. The pin headers are placed in the clamping unit with the tools ZBW 2 (2 poles), or ZBW 3 (3 poles).

The Screen conductor from shielded control lines can be soldered to the current bar of the Screening connection terminal block ZDUS or connected with crimped 2,8 x 0,8 mm push on receptacle. The Screening connection terminal block ZDUS can be assembled to the ZDU 2.5, ZDU 2.5 / 3 AN, ZDU 4, ZDU 6 and ZTR 2.5.

**Made-to-measure cross-connections**

The ZQV 2.5/50 is a cross-connection with which up to 32 terminals can be quickly and easily interconnected. The 50 pole cross-connection comb can be easily cut by the fitter to the required number of poles. Using this system, you will be able to reduce storage requirements but still have a cross-connection with the correct number of poles available. Left-overs occur infrequently due to the high number of poles (50).

The ends of the endless cross-connections are blank. An end plate must be inserted between neighbouring ZQVs with blank edges. For ZDU 2.5 and WDU 2.5 it is sufficient to stagger the ZQVs. The rated voltage is 400 V. Generally, the ZQV 2.5/50 can be used with up to 32 poles.

Termi-Point<sup>®</sup>= registered trademark of the company AMP  
Wire-wrap<sup>®</sup>= registered trademark of the company Gardener Denver

## Initiator terminals/Actuator terminals

### ZIK•ZAK - System advantages

For process control automation in machinery and plants, initiators (such as triggering switches) and actuators (such as magnetic valves) are important components. To reduce the amount of wiring needed they are grouped and wired together on the machine.

The limited space available often makes it difficult to install terminal enclosures. In such situations, it is necessary to use the smallest possible components since little room is provided for wiring and mounting of the enclosure. However, no compromises are acceptable in terms of ease of installation, accessibility and clarity of the wiring.

The new ZIK ZAK initiator/actuator terminal from our Z-Series, fulfills the demands for compactness and intraconnection by employing a novel modular construction.

#### Modular distributor Systems

The terminal needed to connect the initiator/actuator consists of a base element and clip-on distribution elements. The base element contains only the connectors for the signal line. The +/- supply and ground could be linked within the enclosure.

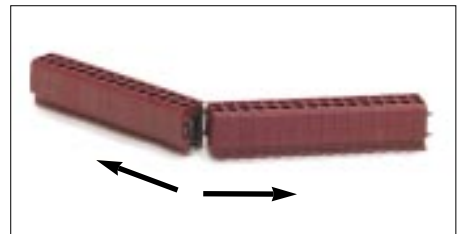
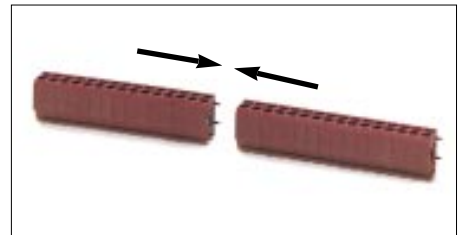
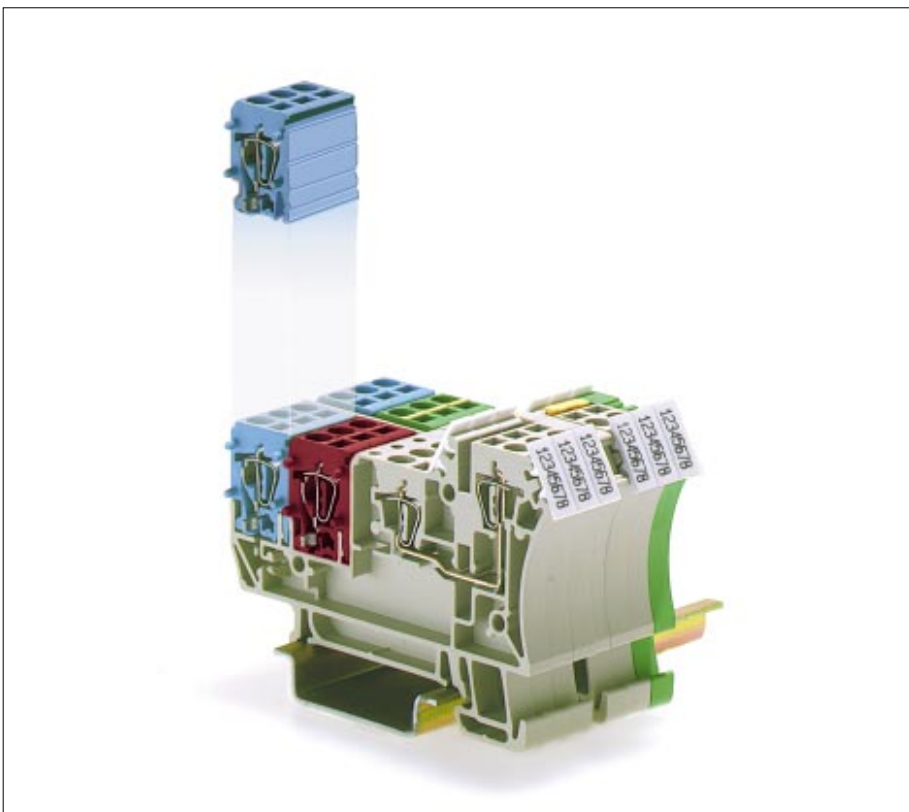
#### Marking systems

The use of coloured insulators (reddish-brown, blue and green/yellow) generally makes identification easy. The two marking channels for the connectors and signal are angled to improve legibility.

#### Modular distribution strip

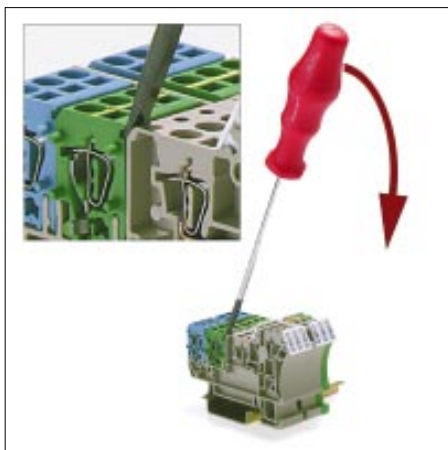
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

There is no need for additional cross-connectors. There is no time spent attaching cross-connectors and, of course, no errors can be made with cross-connection. The user can determine the number of poles for cross-connection.



**Easy to modify**

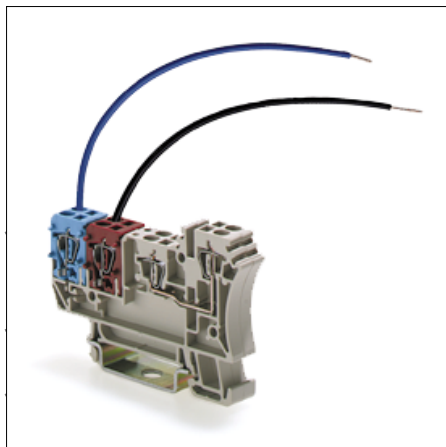
Once joined together the distribution strip simply clips onto the base element. There are no tools necessary. Should you want to remove a distribution strip you can simply pry it off with a cheese-head screw driver.



**Connection of actuators**

Ground (PE) can be connected with a PE element or using a standard PE terminal (such as the ZPE 22.5). The PE base element has the proven PE foot from the ZPE 2.5 and contacts automatically with the ZVL 1.5 PE distributor strip when mounted.

The contact takes place between the female contact of the first distributor element and the male contact in the PE foot of the PE base element.

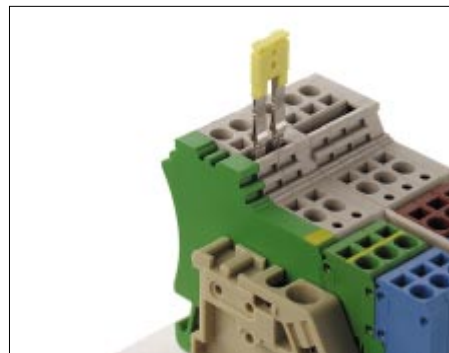


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The n+1 rule for the number of distributor elements also applies here. In other words, just 1 PE element per series (n) of base elements. Because of the design, the PE element should always be to the left of the block.



**Pluggable cross-connection system**

If you do need to cross-connect a signal line you can use the familiar ZQV/2.5 from Z-Series.

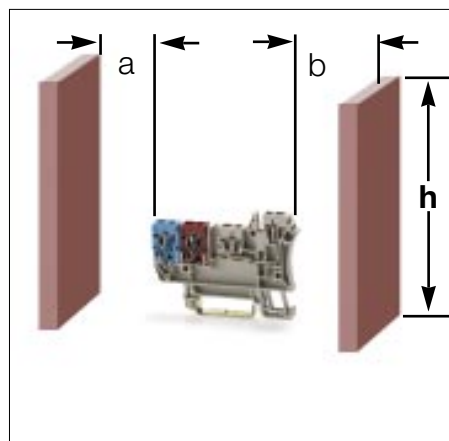


**Not much space required**

The TOP-connection also ensures easy access and easy-to-locate wiring. Wiring up the connector is easier and more reliable since wiring errors are quickly recognised. The strain on the wiring is lower with a TOP-connection. The combination with tension clamp technology improves user-friendliness.

A welcome feature of this type of connector is the ability to use extremely narrow ducting and narrow flat enclosures.

Distance to body of terminal:  
 a = 6 mm  
 b = 11.5 mm for 40 mm height  
 = 20.2 mm for 60 mm height



**Connection of initiators**

No further terminal variations are required for power supply since this ensues simply by adding additional base elements that have built-in cross-connection.

An example:

If you wanted to connect 9 initiators, you would simply need 10 3-way or 4-way base elements, 10 brown ZVL 1.5 BR distributor elements and 10 blue ZVL 1.5 BL (-) distributor elements. The extra element is the feed. The number of distributor elements is therefore n + 1, where **n** is the number of initiator / actuators being connected.

**ZIK•ZAK -  
Modular distribution system**

**Terminal base  
3-way**

**Terminal base  
4-way**

**Distribution  
strip**

**Block versions**



Dimensions	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
Width / length / height (mm) Terminal base with TS 35 x 7,5	5,08/68/45,8	5,08/81/45,8	5/12,9/17,5	
Width / length / height (mm) Distribution			8 mm/-/3,5 x 0,6	8 mm/-/3,5 x 0,6
Insulation stripping length/clamping screw/screwdriver blade	8 mm/-/3,5 x 0,6	8 mm/-/3,5 x 0,6	8 mm/-/3,5 x 0,6	8 mm/-/3,5 x 0,6
<b>VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989</b>				
Rated voltage / current / cross-section	250 V/17,5 A/1,5 mm <sup>2</sup>	250 V/17,5 A/1,5 mm <sup>2</sup>	250 V/17,5 A/1,5 mm <sup>2</sup>	250 V/17,5 A/1,5 mm <sup>2</sup>
Rated voltage / current / cross-section (mit LED)	5...30 V/17,5 A/1,5 mm <sup>2</sup>	5...30 V/17,5 A/1,5 mm <sup>2</sup>	5...30 V/17,5 A/1,5 mm <sup>2</sup>	5...30 V/17,5 A/1,5 mm <sup>2</sup>
Rated impulse voltage / pollution severity	4 kV/3	4 kV/3	4 kV/3	4 kV/3
<b>Further technical data</b>				
Tightening torque				
Torque level with electric screwdriver type DMS2				
<b>Clampable conductor</b>				
solid H07V-U	mm <sup>2</sup> 0,13...2,5	mm <sup>2</sup> 0,13...2,5	mm <sup>2</sup> 0,13...2,5	mm <sup>2</sup> 0,13...2,5
stranded H07V-R	mm <sup>2</sup> 0,5...2,5	mm <sup>2</sup> 0,5...2,5	mm <sup>2</sup> 0,5...2,5	mm <sup>2</sup> 0,5...2,5
flexible H07V-K	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5
flexible H07V-K und AEH DIN 46 228/1	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5	mm <sup>2</sup> 0,5...1,5
Max. Clamping Range in mm <sup>2</sup> /Gauge pin to IEC 947-1/1988 Size	A 1	A 1	A 1	A 1

UL / CSA rated data	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
Voltage / current / conductor size UL	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG
Voltage / current / conductor size CSA	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG

Ordering data	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
Terminal base 3-way	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
Terminal base 3-way 10 poles	ZIA 1.5/3 L-1 S <b>165198</b> 100			
Terminal base 3-way with LED for PNP and NPN*	ZIA 1.5/3 L-1S/10 <b>169261</b> 10			
PE-Terminal base 3-way	ZIA 1.5/3 L 1 S/LD <b>165199</b> 50			
	ZIA 1.5/3 L-PE <b>165200</b> 20			
Terminal base 4-way		ZIA 1.5/4 L-1 S <b>165201</b> 100		
Terminal base 4-way 10 poles		ZIA 1.5/4 L-1 S/10 <b>169262</b> 5		
Terminal base 4-way with LED for PNP and NPN*		ZIA 1.5/4 L 1 S/LD <b>165202</b> 50		
PE-Terminal base 4-way		ZIA 1.5/4 L-PE <b>165203</b> 20		
Wemid			ZVL 1.5 <b>164930</b> 100**	
brown Wemid			ZVL 1.5 BR <b>165037</b> 100**	
blue Wemid			ZVL 1.5 BL <b>165036</b> 100**	
green / yellow Wemid			ZVL 1.5 PE <b>165197</b> 100**	

These terminal blocks are assembled with distributions blocks ZVL 1.5 and an end-plate.  
The power supply is done with an integrated terminal base for the Initiator version or with an integrated PE-terminal base for the Actuator version or Initiator version with PE-version.

<b>3-way type:</b>	for 8 Initiators			ZIA 1.5/3L-1S/8/kB <b>169263</b> 5
	for 8 Actuators			ZIA 1.5/3L-PE/8/kB <b>169265</b> 5
	for 16 Initiators			ZIA 1.5/3L-1S/16/kB <b>169264</b> 2
	for 16 Actuators			ZIA 1.5/3L-PE/16/kB <b>169266</b> 2
<b>4-way type:</b>	for 8 Initiators with PE			ZIA 1.5/4L-PE/8/kB <b>169267</b> 5
	for 16 Initiators with PE			ZIA 1.5/4L-PE/16/kB <b>169268</b> 2

End plate	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
Width / length / height (mm)				
3.8/68/38	3-way	ZAP/TW ZIA 1.5/3 L <b>164954</b> 50		
3.8/81/38	4-way		ZAP/TW ZIA 1.5/4 L <b>164955</b> 50	



Cross-connection	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
for signal level	2 poles	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
ZQV	3 poles	ZQV 2.5/2 <b>160886</b> 60	ZQV 2.5/2 <b>160886</b> 60	ZQV 2.5/2 <b>160886</b> 60
	4 poles	ZQV 2.5/3 <b>160887</b> 60	ZQV 2.5/3 <b>160887</b> 60	ZQV 2.5/3 <b>160887</b> 60
	5 poles	ZQV 2.5/4 <b>160888</b> 60	ZQV 2.5/4 <b>160888</b> 60	ZQV 2.5/4 <b>160888</b> 60
	6 poles	ZQV 2.5/5 <b>160889</b> 20	ZQV 2.5/5 <b>160889</b> 20	ZQV 2.5/5 <b>160889</b> 20
	7 poles	ZQV 2.5/6 <b>160890</b> 20	ZQV 2.5/6 <b>160890</b> 20	ZQV 2.5/6 <b>160890</b> 20
	8 poles	ZQV 2.5/7 <b>160891</b> 20	ZQV 2.5/7 <b>160891</b> 20	ZQV 2.5/7 <b>160891</b> 20
	9 poles	ZQV 2.5/8 <b>160892</b> 20	ZQV 2.5/8 <b>160892</b> 20	ZQV 2.5/8 <b>160892</b> 20
	10 poles	ZQV 2.5/9 <b>160893</b> 20	ZQV 2.5/9 <b>160893</b> 20	ZQV 2.5/9 <b>160893</b> 20
	50 poles	ZQV 2.5/10 <b>160894</b> 20	ZQV 2.5/10 <b>160894</b> 20	ZQV 2.5/10 <b>160894</b> 20
		ZQV 2.5/50 <b>169754</b> 20	ZQV 2.5/50 <b>169754</b> 20	ZQV 2.5/50 <b>169754</b> 20

Screwdriver	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
SD to DIN 5264 A	SD 0,6 x 3,5 <b>902423</b> 1	SD 0,6 x 3,5 <b>902423</b> 1	SD 0,6 x 3,5 <b>902423</b> 1	SD 0,6 x 3,5 <b>902423</b> 1

Marking tags	Terminal base 3-way	Terminal base 4-way	Distribution strip	Block versions
Consecutive horizontal	DEK 5 <b>047346</b> 500	DEK 5 <b>047346</b> 500	DEK 5 <b>047346</b> 500	DEK 5 <b>047346</b> 500
Consecutive vertical	DEK 5 <b>047356</b> 500	DEK 5 <b>047356</b> 500	DEK 5 <b>047356</b> 500	DEK 5 <b>047356</b> 500

See page 2/60 as well as section 3 for additional accessories

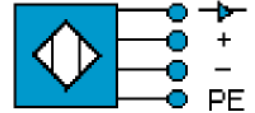
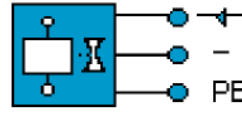
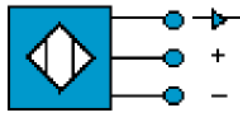
\*) Note the polarity  
\*\*) Pre-assembled as 20 pole-units

**ZIK•ZAK -  
Configuration  
examples**

**3-way Initiator**

**3-way Actuator**

**3-way Initiator  
with PE**



**Type**    **Cat. No.**    **Qty.**  
Terminal base 3-way  
ZIA 1.5/3 L-1 S **165198**    100



Terminal base 3-way with LED  
ZIA 1.5/3 L-    **165199**    50  
1 S/LD  
**for PNP and NPN**



Terminal base 4-way  
ZIA 1.5/4 L-1 S **165201**    100



Terminal base 4-way with LED  
ZIA 1.5/4 L-    **165202**    50  
1 S/LD  
**for PNP and NPN**



Terminal base 3-way  
ZIA 1.5/3 L-PE **165200**    20



as required

as required

PE-Terminal base 4-way  
ZIA 1.5/4 L-PE **165203**    20



End plate 3-way  
ZAP/TW    **164954**    50  
ZIA 1.5/3 L



End plate 4-way  
ZAP/TW    **164955**    50  
ZIA 1.5/4 L



Distribution strip  
ZVL 1.5 BR    **165037**    100



Distribution strip  
ZVL 1.5 BL    **165036**    100



Distribution strip  
ZVL 1.5 PE    **165197**    100



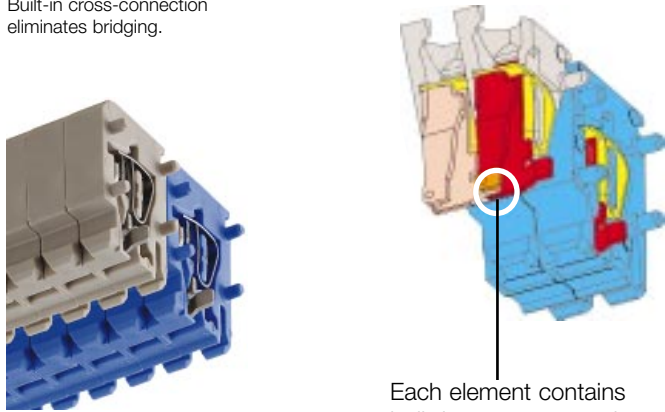
ZIK•ZAK configuration



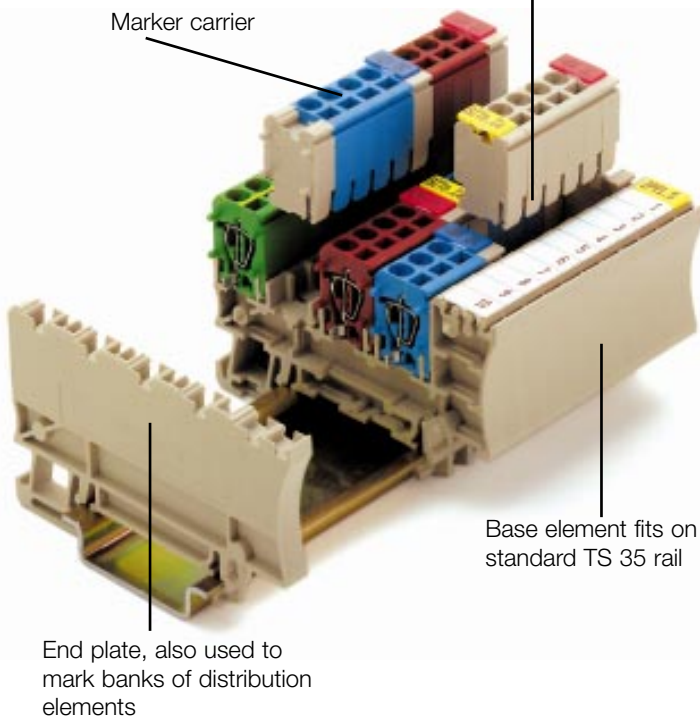
## ZPV 1.5 – potential distribution

- ZPV 1.5 is modular.  
You determine the number of poles you need on-site.
- Cross-connections are built in.
- Rearrange the block whenever you need - in seconds.
- Ultra-compact TOP connection thanks to tension-clamp. This permits easy wiring, even in tight spaces.
- And, there's room in even the smallest enclosure thanks to the overall compactness of the ZPV.

Built-in cross-connection eliminates bridging.



Each element contains built-in cross connection, on one side the male connector, on the other the female.



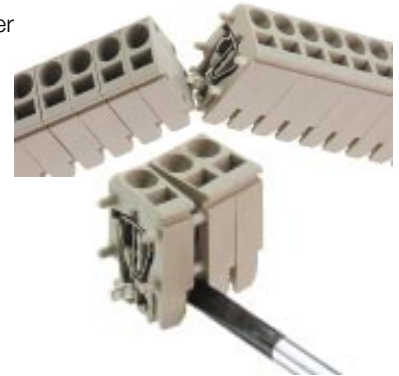
Marker carrier

Base element fits on standard TS 35 rail

End plate, also used to mark banks of distribution elements

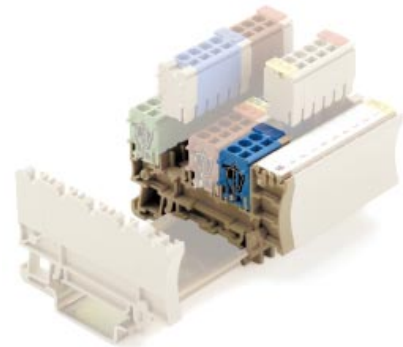
### Easy to put together - and split apart

Simply snap off the number of poles you need - by hand or using a screw driver. Assembly errors can be rectified in seconds.



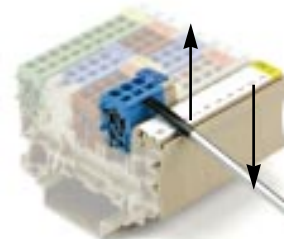
### Familiar installation

The ZPV 1.5 base elements (also supplied in strips of 20) snap easily onto a regular TS 35 rail. Each base element can take 4 parallel distributor elements. Like the entire ZIK-ZAK series, the elements simply snap onto the ZPV 1.5. The individual rows of distributor elements are electrically separate from each other. To separate within a row of distributor elements we recommend our BZT 1.5 marker plates.



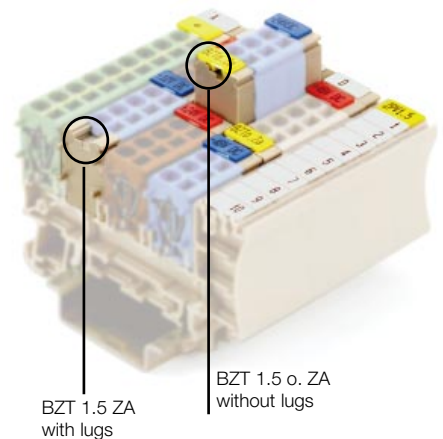
### Flexible assembly

Disassembling and reassembling the blocks is simply a matter of prising off the units. It's a snap with ZPV 1.5.



### Pure identification

And once you've decided on the layout of your block you'll discover that marking is just as easy. Matrix-like marking provides easy recognition. The BZT 1.5 ZA is a marker with lugs to link to the next distributor element. The BZT 1.5 o. ZA, on the other hand, has no lugs for individual mounting / dismantling of sections of the distribution row. Both markers are effective electrical separators.



BZT 1.5 ZA with lugs

BZT 1.5 o. ZA without lugs

## ZPV 1.5 Variable-pole potential distributors with built-in cross-connection

## ZPV 1.5



## ZVL 1.5



Dimensions					
Width / length / height (mm)	with TS 35 x 7,5	5,08/68 /38		5,08/12.9/17.5	
Insulation stripping length/clamping screw/screwdriver blade		- / - / -		8/-/-	
Rated data					
Rated data VDE 0611 Part 1/8.92 / IEC 947-7-1					
Rated voltage / current / cross-section		250 V/17,5 A/1,5 mm <sup>2</sup>		250 V/17,5 A/1,5 mm <sup>2</sup>	
Rated impulse voltage / pollution severity		4 kV/3		4 kV/3	
Further technical data					
Clampable conductor	mm <sup>2</sup>			0,13 ... 2,5	
solid H07V-U	mm <sup>2</sup>			0,5 ... 2,5	
flexible H07V-K	mm <sup>2</sup>			0,5 ... 2,5	
flexible H07V-K					
and ferrules acc. DIN 46 228/1	mm <sup>2</sup>			0,5 ... 1,5	
flexible H07V-K					
and ferrules with plastic insul. collar	mm <sup>2</sup>			0,5 ... 1,5	
Clampability of two conductors					
2 x flexible H05V-K 0,75	mm <sup>2</sup>			0,75	
with twin ferrules (Cat. No. 901851)					
and PZ4 Crimper (Cat. No. 901250)					
oder PZ 6/5 Crimper (Cat. No. 901146)					
Insulation stripping length = 11 ± 0,5 mm					
Gauge pin to 947-1/1988				A 1	
size		24 A / 2,5 mm <sup>2</sup>		24 A / 2,5 mm <sup>2</sup>	
Continuous current rating of terminal block for conductor size					
UL / CSA rated data					
Voltage / current / conductor size	UL	300 V/10 A/ 26...14 AWG		300 V/10 A/ 26...14 AWG	
Voltage / current / conductor size	CSA	300 V/10 A/ 26...14 AWG		300 V/10 A/ 26...14 AWG	
Ordering data					
Type					
Wemid		Cat. No.	Qty.		
Blue Wemid		<b>167663</b>	100	<b>164930</b>	100*
Brown Wemid				<b>165036</b>	100*
Green Wemid				<b>165037</b>	100*
				<b>169782</b>	100*
End plate / partition					
Type					
ZAP/TW ZPV1,5		Cat. No.	Qty.	ZAP/TW ZPV 1,5	
Wemid		<b>167465</b>	50	<b>167465</b>	50
Width / length / height (mm)		5,08/68/38		5,08 / 68 / 38	
Marker carriers					
BZT ZVL1,5 ZA				BZT ZVL 1,5 o.ZA	
				<b>167662</b>	100
BZT ZVL1,5 o.ZA				BZT ZVL 1,5 ZA	
				<b>167661</b>	100
Screwdriver					
				SD 0,6x3,5x100	<b>902423</b> 1
Marking tags					
for base element ZPV		ZGB15			
marker carriers BZT ZVL 1,5		ZGB30			
and for end plate ZAP/TW ZPV 1,5		ZS10/5			
		DEK 5			
		WS 8/5			
		WS 10/5			
		WS 12/5			

\*) pre-assembled in 20-pole strips

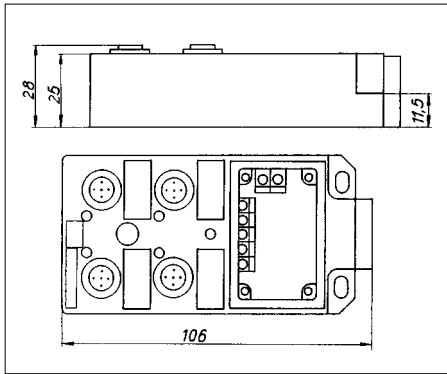
## SAI distributor family



### SAI-K

Screw connection  
for bus line

Dimensions and catalogue numbers

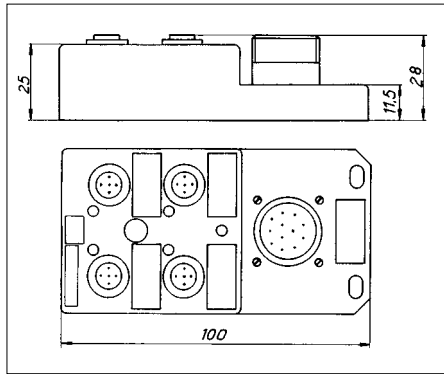


Type                      Cat. No.  
SAI-4-K                      **945603**

### SAI-S

12-pole plug connector  
for bus line

Dimensions and catalogue numbers



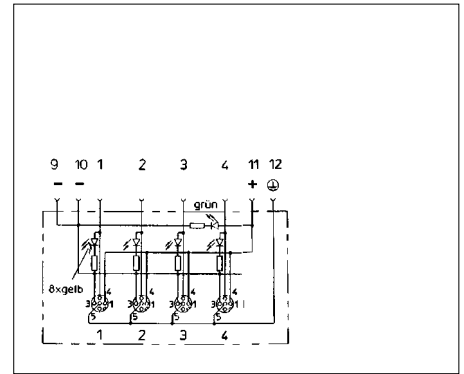
Type                      Cat. No.  
SAI-4-S                      **945600**

## SAI module family

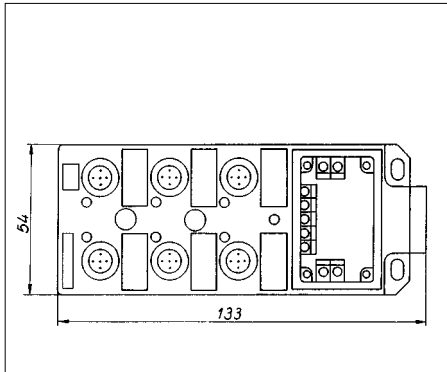
The SAI module joins sensor/actuator cables in the simplest and most rational method. The almost standardised circular connectors allow components to be installed by simply plugging them together. If an initiator fails, a replacement can therefore be easily installed due to easy access. This can be performed on-the-spot by production personnel.

The clearly visible, standard status displays are another advantage. The SAI module is also available with screw connections. Downtimes are thus reduced to a minimum and costs are kept low.

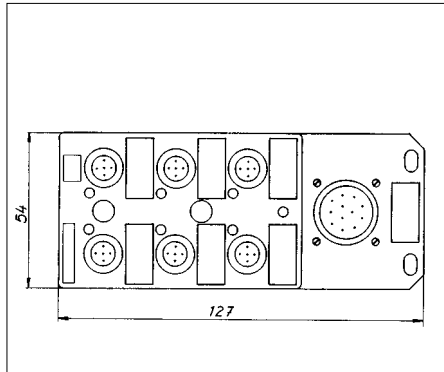
Pin layout



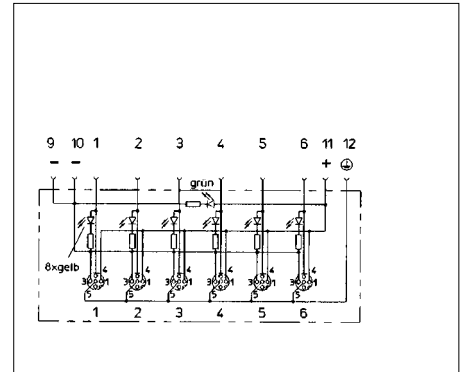
SAI-4...



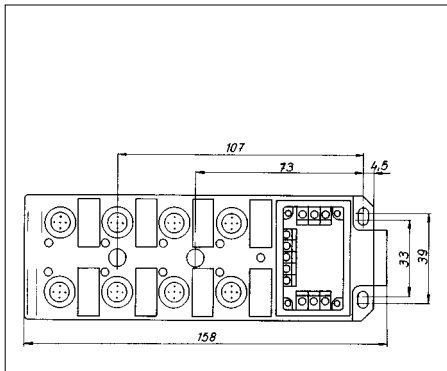
Type                      Cat. No.  
SAI-6-K                      **945604**



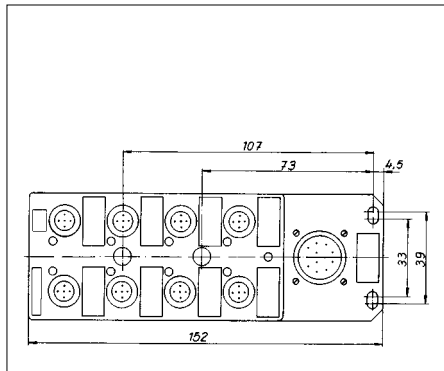
Type                      Cat. No.  
SAI-6-S                      **945601**



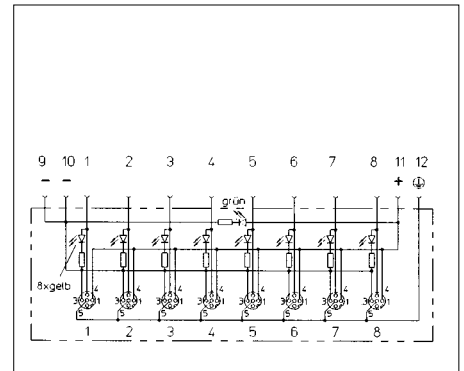
SAI-6...



Type                      Cat. No.  
SAI-8-K                      **945606**

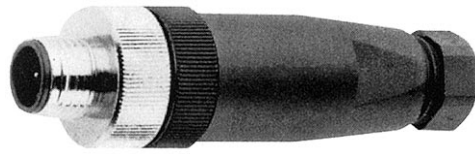


Type                      Cat. No.  
SAI-8-S                      **945602**



SAI-8...





Technical data	
Protection class	IP67 DIN 40050 (plugged and screwed)
Material	PBT not strengthened
Housing	V0 according to UL 94
Temperature range	- 20 to + 55 °C
Contact pins/sockets	CuZn, gal. NiAu
Plug cycles	50 times
Withdraw strength per contact	≥ 0.4 N
Nominal voltage	10 - 30 V DC
Nominal current	2 A / 8 A total
LEDs	Green = operation display Yellow = function display

Designation	Cat. No.	Qty.
SAIS-5/7 (straight)	<b>945694</b>	5
Connector (M 12) with screw connection, 5-pole		

**Accessories :**

Designation	Cat. No.	Qty.
Protection cap : SAI - SK	<b>945605</b>	30
Marker : ESG 9/20 MC blank	<b>160994</b>	200

Designation	Cat. No.	Qty.
SAISW-5/7 (angled)	<b>945695</b>	5
Connector (M 12) with screw connection, 5-pole		

**Standard connection cables for sensors**

Connector shape: M 12 to M 12 /  
Straight connector  
Cable type : PUR in lengths of 0.6 m,  
0.9 m, 1.2 m, 1.5 m, 2.0 m

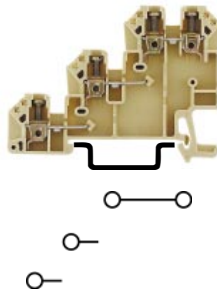
The cables are suitable for normally-open relays or for normally-closed relays by jumpering PIN 2 and 4.

Designation	Cat.No.	Qty.
SAIL-M12G-M12G-2/4-0.6U	<b>945696</b>	10
SAIL-M12G-M12G-2/4-0.9U	<b>945697</b>	10
SAIL-M12G-M12G-2/4-1.2U	<b>945698</b>	10
SAIL-M12G-M12G-2/4-1.5U	<b>945699</b>	10
SAIL-M12G-M12G-2/4-2.0U	<b>945700</b>	10

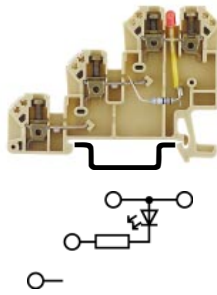
\* Detailed data sheet for the new type SAI-M available on request.

## Feed-through terminals for initiators and actuators

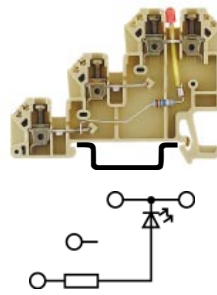
### DLI 2.5



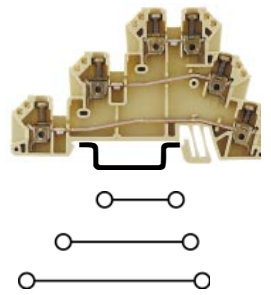
### DLI 2.5 LD PNP



### DLI 2.5 LD NPN



### DLD 2.5



#### Dimensions

Width / length / height (mm) with TS 35 x 7,5   
Insulation stripping length/clamping screw/screwdriver blade

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section  
Rated impulse voltage / pollution severity

#### Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size  
Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2...5-pole A  
Continuous current rating of cross-connection 6...10-pole A

#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

#### Ordering data

Standard  
With diode 1N4007  
With LED rot (5...30 V)  
With LED grün (5...30 V)  
With LED and Diode 1N4007  
With LED and Diode 1N4007  
Block of 10<sup>1)</sup>  
Block of 10<sup>1)</sup>  
Fuse inserts


6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V/20 A/2,5 mm<sup>2</sup>  
4 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
	<b>131336</b>	100
(w/o dekafix)	<b>141136</b>	10
(with dekafix)	<b>157907</b>	10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100


6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V-/20 A/2,5 mm<sup>2</sup>  
0,8 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
	<b>157851</b>	100
	<b>157852</b>	100
(LED red)	<b>157853</b>	10
(LED green)	<b>157854</b>	10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100


6/65/49  
7 mm/M 2,5/3,5 x 0,6

5-30 V-/20 A/2,5 mm<sup>2</sup>  
0,8 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...10) 20

300 V/10 A/26...12 AWG

Type	Best.-Nr.	Qty.
	<b>157855</b>	100
	<b>157856</b>	100

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100


6/82/49  
7 mm/M 2,5/3,5 x 0,6

250 V/24 A/2,5 mm<sup>2</sup>  
4 kV/3

0,4...0,7  
1

0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
(Q 2...10) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
	<b>131706</b>	50
AP (part-AP)	<b>138186</b>	20
TSch 1	<b>031916</b>	100

Type	Cat. No.	Qty.
AP	<b>131766</b>	20
AP (part-AP)	<b>138186</b>	20
TSch 1	<b>031916</b>	100

#### End plate/partition



AP-DLI AP-DLD Teil-AP TSch 1  
(thickness 1.5 mm)

#### Test plug/socket



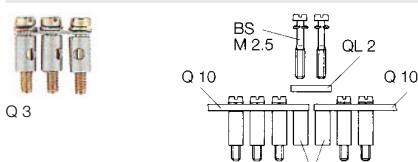
PS 2.3 StB 8.5

StB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

StB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

StB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

#### Cross-connection



Q 3

For cross-connections for more than 20 terminal blocks, replace VH with VH 3.8 (134580) without internal thread

Q 2 **131250** 50  
Q 3 **131260** 50  
Q 4 **131270** 50  
Q 10 **131310** 20  
Q 20 **139980** 20

Q 2 **131250** 50  
Q 3 **131260** 50  
Q 4 **131270** 50  
Q 10 **131310** 20  
Q 20 **139980** 20

Q 2 **131250** 50  
Q 3 **131260** 50  
Q 4 **131270** 50  
Q 10 **131310** 20  
Q 20 **139980** 20

Q 2 **131250** 50  
Q 3 **131260** 50  
Q 4 **131270** 50  
Q 10 **131310** 20  
Q 20 **139980** 20

QL 2 **029720** 100  
VH 3.8 **134580** 100

QL 2 **029720** 100  
VH 3.8 **134580** 100

QL 2 **029720** 100  
VH 3.8 **134580** 100

QL 2 **029720** 100  
VH 3.8 **134580** 100

#### Group marking



WT 4

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

WT 4 **134106** 100  
SF 10 **033240** 1000  
SG 10 **033250** 1000

#### Cover



HP 4

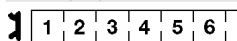
ADP **048540** -  
HP 4 **048586** 20

ADP **048540** -  
HP 4 **048586** 20

ADP **048540** -  
HP 4 **048586** 20

ADP **048540** -  
HP 4 **048586** 20

#### Marking tags



Print  
Consecutive horizontal  
Consecutive vertical

FW 6 **046866** -  
FS 6 **046876** -

FW 6 **046866** -  
FS 6 **046876** -

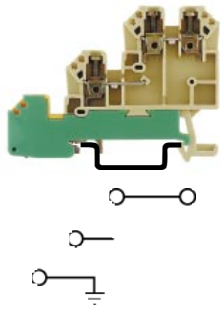
FW 6 **046866** -  
FS 6 **046876** -

FW 6 **046866** -  
FS 6 **046876** -

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> DLI 2.5/35/10 = Block of 10 with built-in cross-connections \* Only in upper busbar

**DLA 2.5**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**156597** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

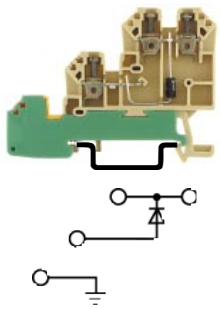
VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 6	<b>046866</b>	–
FS 6	<b>046876</b>	–

**DLA 2.5/D**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
300 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157840** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

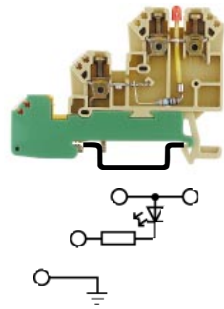
VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 6	<b>046866</b>	–
FS 6	<b>046876</b>	–

**DLA 2.5/LD**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

5–30 V/17,5 A/2,5 mm<sup>2</sup>  
0,8 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
5–30 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157843** 100  
**157844** 100  
(LED red) **157847** 100  
(LED green) **157848** 100  
(LED red) **157849** 10  
(LED green) **157850** 10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

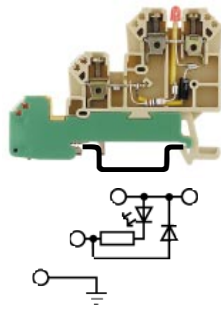
VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 6	<b>046866</b>	–
FS 6	<b>046876</b>	–

**DLA 2.5/LD/D**



6/65/49  
7 mm/M 2,5/3,5 x 0,6

5–30 V/17,5 A/2,5 mm<sup>2</sup>  
0,8 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
5–30 V/10 A/26...12 AWG  
Cat. No. Qty.  
**157847** 100  
**157848** 100  
**157849** 10  
**157850** 10

Type	Cat. No.	Qty.
AP	<b>131326</b>	20
TSch 1	<b>031916</b>	100

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

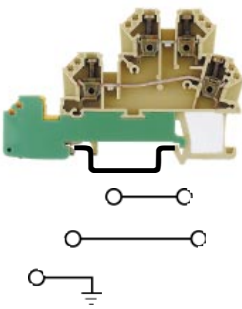
VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 6	<b>046866</b>	–
FS 6	<b>046876</b>	–

**DLD 2.5/PE**



6/74,5/49  
7 mm/M 2,5/3,5 x 0,6

250 V\*\*/17,5 A/2,5 mm<sup>2</sup>  
4 kV/3  
0,4...0,7  
1  
0,5...4  
0,5...4  
0,5...2,5  
0,5...2,5  
A 3  
20 A/2,5 mm<sup>2</sup>  
(Q 2...20) 20

300 V/10 A/26...12 AWG  
–  
Cat. No. Qty.  
**159595** 100  
(w/o dekafix) **157838** 10  
(with dekafix) **157839** 10

Type	Cat. No.	Qty.
AP	<b>159596</b>	20
AP (part-AP)	<b>159597</b>	–
TSch 1	<b>031916</b>	100

STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

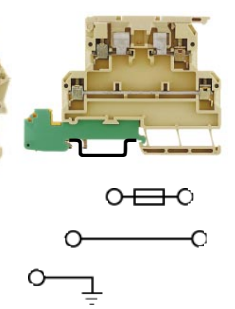
VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 6	<b>046866</b>	–
FS 6	<b>046876</b>	–

**KDKS 1/PE**



8/91/65  
9 mm/M 3/M 2.5\*\*\*/3,5 x 0,6

500 V/6,3 A/4 mm<sup>2</sup>  
6 kV/3  
0,5...1/0,4...0,7\*\*\*  
2/1\*\*\*  
0,5...4  
0,5...4/2.5\*\*\*  
0,5...4/2.5\*\*\*  
A 4 / A 3\*\*\*

–  
Cat. No. Qty.  
**952811** 50  
cannot be combined with  
DLI / DLA

Type	Cat. No.	Qty.
AP	<b>950333</b>	50

5 x 20 without indicator  
STB 8.5\* (ø 2,3) **021570** 50  
PS 2.3 **018040** 20

Q	Cat. No.	Qty.
Q 2	<b>131250</b>	50
Q 3	<b>131260</b>	50
Q 4	<b>131270</b>	50
Q 10	<b>131310</b>	20
Q 20	<b>139980</b>	20

QL	Cat. No.	Qty.
QL 2	<b>029720</b>	100

VH 3.8 **134580** 100

WT	Cat. No.	Qty.
WT 4	<b>134106</b>	100
SF 10	<b>033240</b>	1000
SG 10	<b>033250</b>	1000

ADP	Cat. No.	Qty.
ADP	<b>048540</b>	–
HP 4	<b>048586</b>	20

FW	Cat. No.	Qty.
FW 8	<b>127696</b>	–
FS 8	<b>128966</b>	–

\*\* If the cross-connection runs via the PE connection of the DLA, or if a pole is generally skipped, the nominal voltage is reduced to 30 Vac

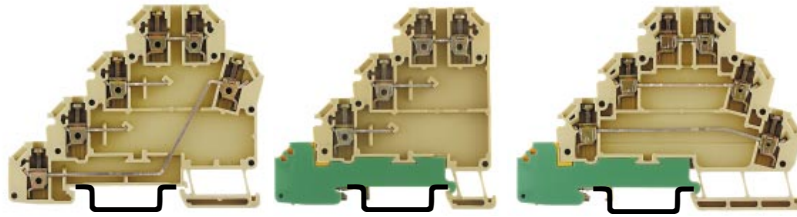
\*\*\* for PE connection

## Feed-through terminals for initiators and motors

### VLI 1.5

### VLI 1.5PE

### MAK 2.5



#### Dimensions

Width / length / height (mm)	with TS 35 x 7,5	6/79/64	6/69/63	6/88/64
Insulation stripping length/clamping screw/screwdriver blade		8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section		250 V/17,5 A/1,5 mm <sup>2</sup>	250 V/17,5 A/1,5 mm <sup>2</sup>	400 V (L-L)/250 V (L-PE) /24 A/2,5 mm <sup>2</sup>
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Rated impulse voltage / pollution severity		4 kV/3	4 kV/3	6 kV/3
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#### Further technical data

Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,4...0,7
Torque setting with DMS 2 electric screwdriver		1	1	1

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...4,0	0,5...4,0	0,5...4,0
stranded H07V-R	mm <sup>2</sup>	0,5...4,0	0,5...4,0	0,5...4,0
flexible H07V-K	mm <sup>2</sup>	0,5...2,5	0,5...2,5	1,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...2,5
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...2,5
Plug gauge according to 947-1	Size	A3	A3	A3
Continuous current of terminal block for conductor size		24 A/2,5 mm <sup>2</sup>	24 A/2,5 mm <sup>2</sup>	24 A/2,5 mm <sup>2</sup>

Continuous current rating of cross-connection, multipole	A	24	24	24
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#### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG

#### Ordering data

Version				
PA		Cat. No.	Qty.	
		<b>163325</b>	50	
		<b>163331</b>	50	
		<b>161527</b>	50	
		<b>163165</b>	50	

#### End plate / partition

End plate	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Partial end plate for VLI 1.5 – MAK 2.5 combination	AP VLI1.5	<b>163326</b>	20	AP VLI1.5/PE	<b>163332</b>	20	AP MAK2.5	<b>161528</b>	20
Partial end plate for VLI 1.5 – VLI 1.5 PE combination	TEAP 2 MAK2.5	<b>163333</b>	20	TEAP VLI1.5	<b>163327</b>	20	TEAP 2 MAK2.5	<b>163333</b>	20
Partial end plate for VLI 1.5 PE – MAK 2.5 combination	TEAP VLI1.5	<b>163327</b>	20	TEAP 1 MAK2.5	<b>163334</b>	20	TEAP 1 MAK2.5	<b>163334</b>	20

#### Cross-connection

VQB 50-pole, snap-fit, external cross-connection	VQB1.5/50BL	<b>163328</b>	5	VQB1.5/50BL	<b>163328</b>	5	VQB1.5/50BL*	<b>163328</b>	5
	VQB1.5/50RT	<b>163329</b>	5	VQB1.5/50RT	<b>163329</b>	5	VQB1.5/50RT*	<b>163329</b>	5
	VQB1.5/50SW	<b>163512</b>	5	VQB1.5/50SW	<b>163512</b>	5	VQB1.5/50SW*	<b>163512</b>	5
QB 25-pole, external cross-connection							QB 25 SW*	<b>052000</b>	20
							QB 25 RT*	<b>052006</b>	20
							QB 25 BL*	<b>052008</b>	20



#### Group marking

Tag carrier for S 10 tags	T 5	<b>034850</b>	100	T 5	<b>034850</b>	100	T 5	<b>034850</b>	100
	SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000	SF 10	<b>033240</b>	1000
	SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000	SG 10	<b>033250</b>	1000

#### Marking tags

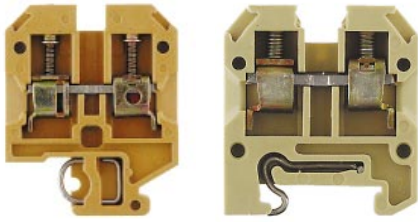
Print	Consecutive horizontal	FW 5	<b>047346</b>	–	FW 5	<b>047346</b>	–	FW 5	<b>047346</b>	–
		FS 5	<b>047356</b>	–	FS 5	<b>047356</b>	–	FS 5	<b>047356</b>	–

For further accessories see section 3, further marking material see section 8

\* When using cross-connection bridges, the connection cross-section is reduced by one level

## System advantages

### SAK/AKZ series



#### Stripping length

The required stripping length for all Weidmüller products is specified in mm. These lengths must be observed so that the creepage and clearance paths are not reduced due to improper connection.

#### Mounting

Mounting is carried out on TS 32 mounting rails according to EN 50 035 or TS 15 according to EN 50 045.

#### End plate

The last terminal of a mounted terminal row must be closed with an end plate. The end plate is held in place by the end bracket.

#### Partition

Depending on the operating voltage, a partition must be placed between neighbouring cross-connection groups. This is necessary to maintain the necessary creepage and clearance paths.

#### Small partition

After assembly, small partitions can be inserted between cross-connections or sockets for terminal blocks with a max. width of 12 mm.

#### Cover plates

Several VDE regulations require that the supply connection terminals are labelled. For this purpose, Weidmüller provides a range of cover plates printed with a warning arrow and the international danger symbol. A warning arrow is printed on the reverse side with the words Danger Voltage. The cover plates are attached to the terminals blocks with plastic screws. The cover plates are designed to cover 3 or 4-pole terminal blocks.

#### Cross-connections

Cross-connection systems from the SAK and AKZ series, type Q, QL or VL or other freely accessible live components, must be protected with appropriate covers ADP 1 to 4 or TSK 31.5 as long as they are to be inserted safe from contact.

Frequently, several terminals blocks must be electrically interconnected in order to create supply pick-offs. Because the terminal point usually needs to remain free for the conductor connection, a cross-connection bridge is placed in the middle. For adjacent cross-connections with varying potentials, partitions, end plates or small partitions must be inserted to maintain the nominal voltage. Cross-connection bridges can normally carry half of the rated terminal block current.

Weidmüller distinguishes between the following cross-connection units:

- type Q pre-assembled cross-connections
- type QL permanent cross-connections
- type VL removeable cross-connection straps
- type QS removeable cross-connection plugs

#### Sockets

In place of cross-connections, sockets can be attached to accept test or short-circuit plugs.

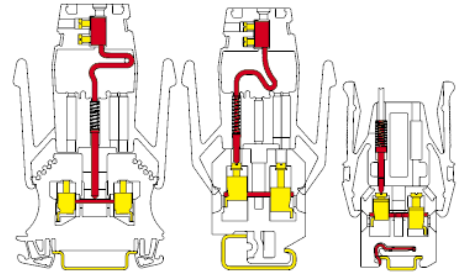
#### Test plugs

2.3 or 4 mm  $\varnothing$  test plugs are available for measurement and test operations .

#### Designation

Incoming and outgoing cables can be labelled using various marking systems, e.g. dekafix, snap-on tags, etc.

#### Test adapters



Safe testing of wired terminal blocks is a basic requirement for fault-free functional sequences. The WTA..., STA..., ATA... test adapter systems for individual terminal block ranges are not only characterised by their quick and easy handling, but also offer other advantages:

- conductor decoupling between the test probe and the test conductor prevents that the test probe is pulled out when the cable is pulled (except for WTA /5... and ATA)
  - spring-loaded test contacts ensure reliable connection and a low contact impedance
  - locating hooks on both sides ensure firm seating, even when cross-connections are fitted
  - the modular concept enables the construction of individual test units
  - single-pole test adapters can be interconnected; strain relief and clear marking options complement the systems
- Naturally, customary **sockets** can also be used whose test pick-off is performed by spring-loaded **test plugs**. This option applies even when cross-connections are fitted.

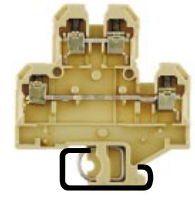
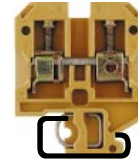
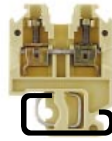
**Feed-through terminals**  
(See page 3/14 for test adapter systems)

**SAKD 2.5 N**

**SAK 2.5**

**SAK 4**

**DK 4 Q\***



**Dimensions**

Width / length / height (mm)	with TS 32	5/32,5/43,5	6/36,5/46,5	6,5/40/51,5	6/54/60
Insulation stripping length/clamping screw/screwdriver blade		10/M 2,5/3,5 x 0,6	10/M 2,5/3,5 x 0,6	12/M 3/3,5 x 0,6	9/M 3/3,5 x 0,6

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage / current / cross-section	500 V/24 A/2,5 mm <sup>2</sup>	800 V/24 A/2,5 mm <sup>2</sup>	800 V/32 A/4 mm <sup>2</sup>	500 V/2 x 32 A/4 mm <sup>2</sup>
Rated impulse voltage / pollution severity	6 kV/3	8 kV/3	8 kV/3	6 kV/3

**Further technical data**

Tightening torque range	Nm	0,4...0,7	0,4...0,6	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver		1	1	2	2

**Clampable conductor**

solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...6	0,5...6	0,5...4
stranded H07V-R	mm <sup>2</sup>	0,5...4	0,5...2,5	0,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...4	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	0,5...2,5/4 <sup>4)</sup>	0,5...4	0,5...4
Plug gauge according to 947-1	Size	A 2	A 3	A 4	A 3
Continuous current of terminal block for conductor size		30 A/4 mm <sup>2</sup>	32 A/4 mm <sup>2</sup>	41 A/6 mm <sup>2</sup>	32 A/4 mm <sup>2</sup>
Continuous current rating of cross-connection 2...5-pole	A	20	24	32	20
Continuous current rating of cross-connection 6...10-pole	A	20			20

**Technical data**

Voltage / current / conductor size	UL	300 V/20 A/28...12 AWG	600 V/20 A/22...12 AWG	600 V/20 A/22...12 AWG	300 V/27 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/20 A/22...12 AWG	600 V/25 A/26...10 AWG	600 V/36 A/26...10 AWG	300 V/10 A/26...12 AWG

**Ordering data**

	Version	Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.	
	KrG				<b>027962</b>	100		<b>012832</b>	100	
	Blue KrG				<b>027967</b>	100		<b>012837</b>	100	
	KrS				<b>027963</b>	100		<b>012833</b>	100	
	PA	<b>021556</b>	100	<b>026966</b> <sup>1)3)</sup> 100	<b>027966</b> <sup>1)2)</sup> 100	100	<b>171624</b> <sup>1)3)</sup>	<b>012836</b> <sup>1)2)</sup>	100	<b>059006</b> <sup>1)1)</sup> 100
	Blue PA	<b>021558</b>	100	<b>026968</b> <sup>1)3)</sup> 100	<b>027968</b> <sup>1)2)</sup> 100	100	<b>171625</b> <sup>1)3)</sup>	<b>012838</b> <sup>1)2)</sup>	100	<b>059008</b> <sup>1)1)</sup> 100
	Orange PA			<b>026964</b> <sup>1)3)</sup> 100	<b>132636</b> <sup>1)2)</sup> 100	100		<b>010506</b> <sup>1)2)</sup>	100	
	Terminal block with Bez. PA	<b>040106</b>	10		<b>032256</b> <sup>1)</sup>	10		<b>032266</b> <sup>1)</sup>	10	<b>132386</b> <sup>1)</sup> 10
	Terminal block without Bez. PA	<b>040116</b>	10		<b>032286</b> <sup>1)</sup>	10		<b>030886</b> <sup>1)</sup>	10	

**End plate (thickness mm)**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
KrG			AP (1,5)	<b>027952</b>	20	AP (1,5)	<b>011792</b>	20				
Blue KrG			AP (1,5)	<b>027957</b>	20	AP (1,5)	<b>011797</b>	20				
KrS			AP (1,5)	<b>027953</b>	20	AP (1,5)	<b>011793</b>	20				
PA	AP (1,5)	<b>015096</b>	20	AP (1,5) 6	<b>046056</b>	20	AP (1,5)	<b>011796</b>	20	AP (1,5)	<b>139716</b>	20
Blue PA	AP (1,5)	<b>019188</b>	20	AP (1,5) 6	<b>046058</b>	20	AP (1,5)	<b>011798</b>	20	AP (1,5)	<b>139718</b>	20
PA				AP (1,5) 8	<b>027956</b>	20						
Blue PA				AP (1,5) 8	<b>027958</b>	20						

**Partition (thickness mm)**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
KrG			TW (2,5)	<b>030282</b>	20	TW (2,5)	<b>013012</b>	20				
Blue KrG			TW (2,5)	<b>030287</b>	20	TW (2,5)	<b>010317</b>	20				
KrS			TW (2,5)	<b>030283</b>	-	TW (2,5)	<b>013013</b>	20				
PA	TW (1,5)	<b>019186</b>	20	TW (1,5)	<b>030286</b>	20	TW (1,5)	<b>013016</b>	20	WTW (Ex)	<b>105880</b>	20
Blue PA	TW (1,5)	<b>019188</b>	20	TW (1,5)	<b>030288</b>	20	TW (1,5)	<b>013018</b>	20			
HP	TW (1,5)	<b>030750</b>	20	TW (1,0)	<b>029710</b>	20	TW (1,0)	<b>019710</b>	20	TW (2,0)	<b>060700</b>	20

**Small partition**

TSch 3	<b>036686</b>	100	TSch 1	<b>031916</b>	100	TSch 1	<b>031916</b>	100	TSch 6	<b>019026</b>	100
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**Cross-connection**

2-pole	Q 2	<b>036780</b>	50	Q 2	<b>033700</b>	50	Q 2	<b>033670</b>	50	Q 2	<b>033640</b>	50
3-pole	Q 3	<b>036790</b>	50	Q 3	<b>033710</b>	50	Q 3	<b>033680</b>	50	Q 3	<b>033650</b>	50
4-pole	Q 4	<b>036800</b>	50	Q 4	<b>033720</b>	50	Q 4	<b>033690</b>	50	Q 4	<b>033660</b>	50
10-pole	Q 10	<b>036810</b>	20	Q 10	<b>036870</b>	20	Q 10	<b>036880</b>	20	Q 10	<b>036860</b>	20
2-pole										QB 2	<b>048270</b> **100	
3-pole										QB 3	<b>048280</b> **50	
4-pole										QB 4	<b>048290</b> **50	

**Switchable cross-connection link**

VL 2	<b>019700</b>	100	VL 2	<b>044670</b>	50
BS	<b>029250</b>	100	VH	<b>105650</b>	100
VH			BS	<b>034310</b>	100

**Marking tags**

	Print	FW 5	FW 6	FW 6.5	FW 6
Consecutive horizontal		<b>047346</b>	<b>046866</b>	<b>046816</b>	<b>046866</b>
Consecutive vertical		<b>047356</b>	<b>046876</b>	<b>046826</b>	<b>046876</b>

For further accessories see section 3, further marking material see section 8

\* Accepts LS 2.8 shield lugs Cat. No. 105640

\*\* Max. 2.5 mm<sup>2</sup> conductor connection when using QB

<sup>1)</sup> Contact-proof with ADP 4 cover profile (see page 3/23) <sup>3)</sup> Suitable for SST 3 safety pin

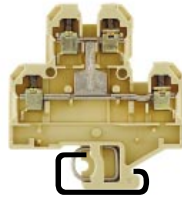
<sup>2)</sup> Not suitable for SST 3 safety pin

<sup>4)</sup> Cat. No. **027966** und **027968**

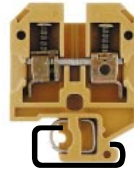
## Feed-through terminals

(See page 3/14 for test adapter systems)

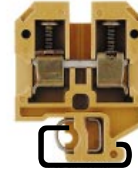
### DK 4 QV\*



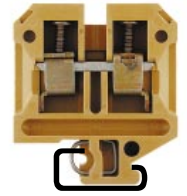
### SAK 6 N



### SAK 10



### SAK 16



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6/54/60   
 9 mm/M 3/3,5 x 0,6

8/40/51,5   
 12 mm/M 3,5/4,0 x 0,8

10/40/51,5   
 12 mm/M 4/5,5 x 1,0

12/50/57,5   
 15 mm/M 4/5,5 x 1,0

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section   
 Rated impulse voltage / pollution severity

500 V/32 A/4 mm<sup>2</sup>   
 6 kV/3

800 V/41 A/6 mm<sup>2</sup>   
 8 kV/3

800 V/57 A/10 mm<sup>2</sup>   
 8 kV/3

1000 V/76 A/16 mm<sup>2</sup>   
 8 kV/3

#### Further technical data

Tightening torque range Nm   
 Torque setting with DMS 2 electric screwdriver

0,5...1,0   
 2

0,8...1,6   
 3

2,0   
 4

2,0...2,4   
 4

#### Clampable conductor

solid H07V-U mm<sup>2</sup>   
 stranded H07V-R mm<sup>2</sup>   
 flexible H07V-K mm<sup>2</sup>   
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>   
 Plug gauge according to 947-1 Size   
 Continuous current of terminal block for conductor size   
 Continuous current rating of cross-connection 2...5-pole A   
 Continuous current rating of cross-connection 6...10-pole A

0,5...4   
 1,5...4   
 0,5...4   
 0,5...4   
 A 3   
 35 A/4 mm<sup>2</sup>   
 20   
 20

0,5...10   
 0,5...6   
 0,5...10   
 0,5...6   
 A 5   
 41

1,5...10   
 2,5...16   
 1,5...16   
 1,5...10   
 B 6   
 76 A/16 mm<sup>2</sup>   
 57

2,5...10   
 4...16   
 4...16   
 4...16   
 B 6

#### UL / CSA rated data

Voltage / current / conductor size UL   
 Voltage / current / conductor size CSA

300 V/27 A/22...12 AWG   
 300 V/10 A/26...12 AWG

600 V/40 A/22...8 AWG   
 600 V/47 A/20...8 AWG

600 V/60 A/14...6 AWG   
 600 V/65 A/14...6 AWG

600 V/80 A/12...4 AWG   
 600 V/87 A/10...4 AWG

#### Ordering data

Version Cat. No. Qty.   
 KrG   
 Blue KrG   
 KrS   
 PA   
 Blue PA   
 Orange PA   
 Terminal block with Bez.   
 Terminal block without Bez.

Cat. No. Qty.   
 **019322** 100   
 **019323** 100   
 **019326<sup>1)</sup>** 100   
 **019328<sup>1)</sup>** 100   
 **032276<sup>1)</sup>** 10   
 **030896<sup>1)</sup>** 10

Cat. No. Qty.   
 **011002<sup>2)</sup>** 100   
 **011007** 100   
 **011003** 100   
 **011006<sup>1)</sup>** 100   
 **011008<sup>1)</sup>** 100   
 **035326<sup>1)</sup>** 10   
 **035316<sup>1)</sup>** 10

Cat. No. Qty.   
 **011002<sup>2)</sup>** 100   
 **011007** 100   
 **011003** 100   
 **011006<sup>1)</sup>** 100   
 **011008<sup>1)</sup>** 100   
 **035326<sup>1)</sup>** 10   
 **035316<sup>1)</sup>** 10

Cat. No. Qty.   
 **027102** 50   
 **027103** 50   
 **027106<sup>1)</sup>** 50   
 **027108<sup>1)</sup>** 50

#### End plate (thickness mm)

KrG   
 Blue KrG   
 KrS   
 PA   
 Blue PA

Type Cat. No. Qty.   
 AP (1,5) **011792** 20   
 AP (1,5) **011797** 20   
 AP (1,5) **011793** 20   
 AP (1,5) **011796** 20   
 AP (1,5) **011798** 20   
 AP (1,5) **139716** 20   
 AP (1,5) **139718** 20

Type Cat. No. Qty.   
 AP (1,5) **011792** 20   
 AP (1,5) **011797** 20   
 AP (1,5) **011793** 20   
 AP (1,5) **011796** 20   
 AP (1,5) **011798** 20   
 AP (1,5) **013012** 20   
 AP (1,5) **013013** 20   
 AP (1,5) **013016** 20   
 AP (1,5) **013018** 20   
 AP (1,5) **019710** 20   
 AP (1,5) **019710** 20   
 AP (1,5) **031916** 100

Type Cat. No. Qty.   
 AP (1,5) **011792** 20   
 AP (1,5) **011797** 20   
 AP (1,5) **011793** 20   
 AP (1,5) **011796** 20   
 AP (1,5) **011798** 20   
 AP (1,5) **013012** 20   
 AP (1,5) **013017** 20   
 AP (1,5) **013016** 20   
 AP (1,5) **013018** 20   
 AP (1,5) **019710** 20   
 AP (1,5) **019710** 20   
 AP (1,5) **031916** 100

Type Cat. No. Qty.   
 AP (3,0) **027112** 20   
 AP (3,0) **027113** 20   
 AP (1,5) **027116** 20   
 AP (1,5) **027118** 20   
 AP (3,0) **028112** 20   
 AP (3,0) **028113** 20   
 AP (1,5) **030366** 10   
 AP (1,5) **030368** 10   
 AP (2,0) **060700** 20   
 AP (2,0) **060700** 20   
 AP (1,5) **031916** 100

#### Partition (thickness mm)

TW   
 WTW   
 KrG   
 Blue KrG   
 KrS   
 PA   
 Blue PA   
 Small partition TSch 6

Type Cat. No. Qty.   
 TW (1,5) **013012** 20   
 TW (1,5) **013013** 20   
 TW (1,5) **013016** 20   
 TW (1,5) **013018** 20   
 TW (1,5) **019710** 20   
 TW (2,0) **060700** 20   
 TSch 6 **019026** 100

Type Cat. No. Qty.   
 TW (1,5) **013012** 20   
 TW (1,5) **013013** 20   
 TW (1,5) **013016** 20   
 TW (1,5) **013018** 20   
 TW (1,5) **019710** 20   
 TW (1,5) **019710** 20   
 TSch 1 **031916** 100

Type Cat. No. Qty.   
 TW (1,5) **013012** 20   
 TW (1,5) **013017** 20   
 TW (1,5) **013016** 20   
 TW (1,5) **013018** 20   
 TW (1,5) **019710** 20   
 TW (1,5) **019710** 20   
 TSch 1 **031916** 100

Type Cat. No. Qty.   
 TW (3,0) **028112** 20   
 TW (3,0) **028113** 20   
 TW (1,5) **030366** 10   
 TW (1,5) **030368** 10   
 TW (2,0) **060700** 20   
 TW (2,0) **060700** 20   
 TSch 1 **031916** 100

#### Cross-connection

2-pole   
 3-pole   
 4-pole   
 10-pole   
 Q 4   
 QB 4

Q 2 **033640** 50   
 Q 3 **033650** 50   
 Q 4 **033660** 50   
 Q 10 **036860** 20   
 QB 2 **048270\*\*** 100   
 QB 3 **048280\*\*** 50   
 QB 4 **048290\*\*** 50

Q 2 **045670** 50   
 Q 3 **045680** 50   
 Q 4 **045690** 50   
 Q 10 **045700** 20

Q 2 **045710** 50   
 Q 3 **045720** 50   
 Q 4 **045730** 50   
 Q 10 **045740** 20

Q 2 **045750** 50   
 Q 3 **045760** 50   
 Q 4 **045770** 50   
 Q 10 **045780** 20

#### Cover

AD 4   
 BSK M 2.5 x 18

AD 4 **030340** 50   
 BSK M 2.5 x 18 **030330** 100

AD 4 **019660** 50   
 BSK M 3 x 22 **012890** 100

AD 4 **017860** 50   
 BSK M 3 x 22 **012890** 100

AD 4 **051820** 50   
 BSK M 3 x 22 **012890** 100

#### Switchable cross-connection link

VL 2   
 BS   
 VH

VL 2 **044670** 50   
 VH **105650** 100   
 BS **034310** 100

VL 2 **019470** 50   
 VH **028510** 50   
 BS **029250** 100

VL 2 **013590** 50   
 VH **028510** 50   
 BS **029250** 100

VL 2 **013580** 50   
 VH **028510** 50   
 BS **029250** 100

#### Marking tags

Consecutive horizontal   
 Consecutive vertical

FW 6 **046866** -   
 FW 6 **046876** -

FW 8 **127696** -   
 FS 8 **128966** -

FW 5 **047346** -   
 FS 5 **047356** -

FW 5 **047346** -   
 FS 5 **047356** -

For further accessories see section 3, further marking material see section 8

\*) Accepts LS 2.8 shield lugs Cat. No. 105640

\*\*\*) Max. 2.5 mm<sup>2</sup> conductor connection when using QB

<sup>1)</sup> Contact-proof with ADP 4 cover profile (see page 3/23)   
 <sup>2)</sup> See page 2/715 for ceramic terminals

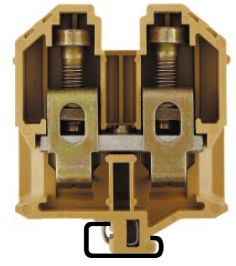
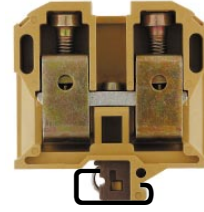
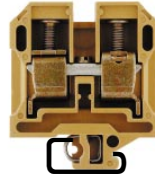
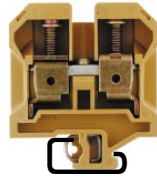
## Feed-through terminals

### SAK 35 N


### SAK 35

### SAK 70

### SAK 95



#### Dimensions

Width / length / height (mm)	with TS 32 	16/58/67,5	18/58/67,5	22/75/79,5	28/83,5/100,5
Insulation stripping length/clamping screw/screwdriver blade		18 mm/M 6/6,5 x 1,2	20 mm/M 6/6,5 x 1,2	24 mm/M 8/S 6 D911	30 mm/M 10/S 8 D6911

#### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section	1000 V/125 A/35 mm <sup>2</sup>	800 V/125 A/35 mm <sup>2</sup>	1000 V/192 A/70 mm <sup>2</sup>	1000 V/232 A/95 mm <sup>2</sup>
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3

#### Further technical data

Tightening torque range	Nm	2,5...5,0/3,0...6,0***	2,5...5,0/3,0...6,0***	6,0...12,0	10,0...20,0
Torque setting with DMS 2 electric screwdriver					



#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	2,5...16	6...10	16	10...16
stranded H07V-R	mm <sup>2</sup>	2,5...50	16...50	16...70	10...120
flexible H07V-K	mm <sup>2</sup>	2,5...35	10...35	16...70	10...95
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	2,5...35	10...35	16...35	10...35
Plug gauge according to 947-1	Size	B 8	B 9	B 11	B 12
Continuous current of terminal block for conductor size		138 A/35 mm <sup>2</sup>	138 A/35 mm <sup>2</sup>	213 A/70 mm <sup>2</sup>	258 A/120 mm <sup>2</sup>
Continuous current rating of cross-connection 2...5-pole	A	65	65	180	180
Continuous current rating of cross-connection 6...10-pole	A	65	65		


#### UL / CSA rated data

Voltage / current / conductor size	UL	600 V/100 A/12...2 AWG	600 V/100 A/6...2 AWG	600 V/145 A/4...2/0 AWG	600 V/190 A/6...3/0 AWG
Voltage / current / conductor size	CSA	600 V/120 A/12...2 AWG	600 V/145 A/6...2 AWG	600 V/150 A/4...2/0 AWG	600 V/260 A/6...3/0 AWG


#### Ordering data

Version	Cat. No.	Qty.	Version	Cat. No.	Qty.
 KrG	055062	20	 030352	20	
Hexagon socket KrG	055572	20	047652	20	034082 10
Hexagon socket blue KrG					034087 10
KrS	055063	20	030353	20	
Hexagon socket KrS	055573	20			034083 10
PA	055066	20	030356	20	
Hexagon socket PA	055576	20	047656	20	
Blue PA			030358	20	
Terminal block with marking					
Terminal block without marking					


#### End plate (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
 KrG	AP (3,0)	030362	10	AP (3,0)	030362	10	AP (4,0)	034092	10	AP (3,0)	055092	10
Blue KrG	AP (3,0)	030367	10	AP (3,0)	030367	10				AP (3,0)	055097	10
KrS	AP (3,0)	030363	10	AP (3,0)	030363	10	AP (4,0)	034093	10			
PA	AP (1,5)	030366	10	AP (1,5)	030366	10	AP (2,0)	034096	10			
Blue PA	AP (3,0)	030368	10	AP (3,0)	030368	10						
Orange PA												


#### Partition (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
 KrG	TW (3,0)	030432	10	TW (3,0)	030432	10
Blue KrG						
KrS	TW (3,0)	030433	10	TW (3,0)	030433	10
PA	TW (1,5)	030436	10	TW (1,5)	030436	10
Blue PA						


#### Cross-connection

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
 2-pole	QL 2	056490	50	QL 2	012360	20	QL 2	034530	20	QL 2	055120	10
3-pole	QL 3	056500	50	QL 3	012370	20	QL 3	016700	20			
4-pole	QL 4	056510	50	QL 4	012380	20						
10-pole	QL 10	056520	20	QL 10	033860	20						
VH 17	026700	50	VH 17	026700	50	VH 30.5	034550	20	VH 35	055110	10	
BS M 4x30	026710	50	BS M 4x30	026710	50	BS M 5x45	034560	20	BS M 5x50	063020	20	
SS M 4	013640	100	SS M 4	013640	100	SS M 5	034610	100				

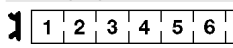
#### Switchable cross-connection link

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 VL 2			VL 2	012400	50
BS			VH 24,5	029870	50
VH			BS M 4x35	029890	50

#### Cover / Test plug

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 AD 4	057670	50	AD 4	017870	20	AD 4	034430	-	ADP 4	048540	-
BSK M 4x32	012910	50	BSK M 4x32	012910	50	BSK M 5x45	034440	50			
PS 4	029960	20	PS 4	029960	20	PS 4	029960	20	PS 4	029960	20

#### Marking tags

Print	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 Consecutive horizontal	FW 5	047346	-	FW 5	047346	-	FW 5	047346	-	FW 5	047346	-
Consecutive vertical	FS 5	047356	-	FS 5	047356	-	FS 5	047356	-	FS 5	047356	-

For further accessories see section 3, further marking material see section 8

\*\*\* For hexagon socket

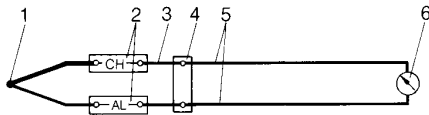


## Feed-through terminals for thermocouples

Busbars made from thermocouple material according to DIN IEC 584

Weidmüller **thermocouple terminals** are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

### I. Configuration of a temperature measuring circuit



- |                          |                                   |
|--------------------------|-----------------------------------|
| 1 Thermocouple (sensor)  | 4 Reference point                 |
| 2 Thermocouple terminals | 5 Supply conductors (to and from) |
| 3 Compensating conductor | 6 Measuring device                |

The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple.

Thermocouple terminals are required for the construction of temperature measuring circuits; SAK 2.5 NiCr for the positive and SAK 2.5 Ni for the negative voltage branches.

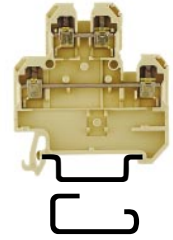
### II. Symbols Thermocouples according to IEC 584 DIN 43710

Terminal designation	Busbar material trade name
<b>a) (Type J)</b>	
Fe (positive leg)	Iron
CuNi (negative leg)	Constantan
<b>b) (Type T)</b>	
Cu (positive leg)	Copper
CuNi (negative leg)	Constantan
<b>c) (Type K)</b>	
NiCr (positive leg)	Chromel
Ni (negative leg)	Alumel
<b>d) (Type E)</b>	
NiCr (positive leg)	Chromel
CuNi (negative leg)	Constantan

## SAK 2.5 TC



## DK 4 TC



#### Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6/36,5/49,5

10 mm/M 2,5/3,5 x 0,6

6/54/59,5

9 mm/M 3/3,5 x 0,6

#### Technical data/VDE

Nominal voltage/nominal current nominal cross-section

-/-

2,5 mm<sup>2</sup>

-/-

4 mm<sup>2</sup>

#### Ordering data

Version	Type
NiCr	
Ni	
CuNi	
Fe	
Cu	
NiCr/Ni	K
Cu/CuNi	T
Fe/CuNi	J

Cat. No.	Qty.
<b>010726</b>	100
<b>010716</b>	100
<b>018986</b>	100
<b>019006</b>	100
<b>018996</b>	100

Cat. No.	Qty.
<b>133826</b>	100
<b>133816</b>	100
<b>133806</b>	100

#### End plate (thickness mm)



KrG
Blue KrG
KrS
PA
Blue PA
Orange PA

Type	Cat. No.	Qty.
AP (1,5)	<b>027956</b>	20

Type	Cat. No.	Qty.
AP (1,5)	<b>063136</b>	20

#### Partition (thickness mm)

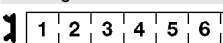


KrG
Blue KrG
KrS
PA
WEM
for TS 32 HP

Type	Cat. No.	Qty.
TW (1,5)	<b>030286</b>	20

Type	Cat. No.	Qty.
WTW (Ex)e	<b>105880</b>	20
TW HP (2,0)	<b>060700</b>	20

#### Marking material



Consecutive horizontal Consecutive vertical

FW 6	<b>046866</b>	-
FS 6	<b>046876</b>	-

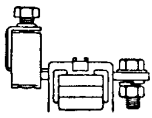
FW 6	<b>046866</b>	-
FS 6	<b>046876</b>	-

For further accessories see section 3, further marking material see section 8

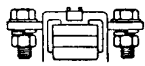
The Weidmüller SAKG range offers the following connection variants:

- clamping yoke connection, Version III. The stripped conductor can be connected without further preparation.
- flat lug, Version II. Two types of threading are provided here.
  - a) screw set with lock nut
  - b) with thread in busbar
- clamping yoke/flat lug as a combination, Version I.

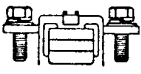
**Versions**



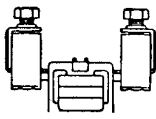
**Version I**



**Version II**  
without thread



**Version II**  
with thread

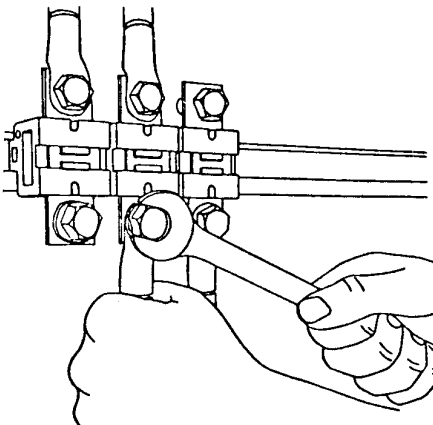


**Version III**

Cables with cable lugs are connected to SAKG terminals of Version I and to SS stud terminals.

**Fitting instructions for SAKG terminals**

When tightening the clamping screw, it is recommended that the conductor be held against the direction of tightening to prevent deformation of the mounting rail and so as not to place the terminal foot under undue torsional forces.



**Cover**

To ensure shock protection following connection of **conductors**, **AH** covers can be clipped onto the terminal.

**Dimensions**

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage / current / cross-section 1000 V\*/125 A/35 mm<sup>2</sup>  
 Rated impulse voltage / pollution severity 8 kV/3

**Further technical data**

Tightening torque range Nm 3...6  
 Torque setting with DMS 2 electric screwdriver

**Clampable conductor**

solid H07V-U mm<sup>2</sup> 6...35  
 stranded H07V-R mm<sup>2</sup> 6...35  
 flexible H07V-K mm<sup>2</sup> 10...35  
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup> 6...35  
 Plug gauge according to 947-1 Size B 9  
 Continuous current of terminal block for conductor size 135 A/50 mm<sup>2</sup>  
 Continuous current rating of cross-connection 2...5-pole A (QL 2) 110  
 Continuous current rating of cross-connection 6...10-pole A (QL 2) 110

**UL / CSA rated data**

Voltage / current / conductor size UL 600 V/95 A/2 AWG  
 Voltage / current / conductor size CSA 600 V/110 A/6...1 AWG

**Ordering data**

Type KrG

28/70/63,5 28/70/53  
 15 mm/M 6/- ~/M 6/-

1000 V\*/125 A/35 mm<sup>2</sup> 1000 V\*/125 A/35 mm<sup>2</sup>

8 kV/3 8 kV/3

3...6 3...6

6...35 6...35

6...35 6...35

10...35 10...35

6...35 6...35

B 9 B 9

135 A/50 mm<sup>2</sup> 135 A/50 mm<sup>2</sup>

(QL 2) 110 (QL 2) 110

600 V/95 A/2 AWG 600 V/115 A/2 AWG

600 V/110 A/6...1 AWG 600 V/110 A/6...1 AWG

Cat. No. Qty. Cat. No. Qty.

**017002** 10 **017032** 10

**End plate, Hard paper (thickness mm)**



Type Cat. No. Qty.

EP 1 (2) **020510** 10 EP 1 (2) **020510** 10

EP 1 (2) **020520** 10 EP 1 (2) **020520** 10

**Partition, Hard paper (thickness mm)**



TW 1 (2) **015140** 10 TW 1 (2) **015140** 10

TW 1 **016460** 10 TW 1 **016460** 10

**Cross-connection**



2-pole QL 2 **019390** 5 QL 2 **019390** 5

3-pole QL 3 **040760** 5 QL 3 **040760** 5

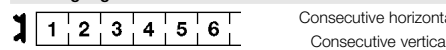
4-pole QL 4 **040770** 5 QL 4 **040770** 5

**Cover**



AH 28 **032666** 5 AH 28 **032666** 5

**Marking tags**



Print Consecutive horizontal FW 5 **047346** - FW 5 **047346** -

Consecutive vertical FS 5 **047356** - FS 5 **047356** -

**For further accessories see section 3, further marking material see section 8**

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/9 for a table of clearance and creepage distances.

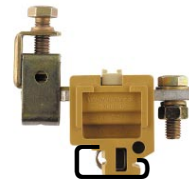
Feed-through terminals

SAKG 28 II G

SAKG 28 III

SAKG 32 I

SAKG 32 II



Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

28/70/53	28/70/63,5	32/87/84	32/80/53
-/M 6/-	15 mm/M 6/-	26 mm/M 8/-	-/M 8/-

VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section	1000 V*/125 A/35 mm <sup>2</sup>	1000 V*/125 A/35 mm <sup>2</sup>	1000 V*/150 A/50 mm <sup>2</sup>	1000 V*/150 A/50 mm <sup>2</sup>
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3

Further technical data

Tightening torque range	Nm 3...6	3...6	6...12	6...12
Torque setting with DMS 2 electric screwdriver				

Clampable conductor

solid H07V-U	mm <sup>2</sup>		6...35	10...70	
stranded H07V-R	mm <sup>2</sup>		6...35	10...70	
flexible H07V-K	mm <sup>2</sup>		10...35	10...70	
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>		6...35	10...35	
Plug gauge according to 947-1	Size		B 9	B 11	
Continuous current of terminal block for conductor size				170 A/70 mm <sup>2</sup>	168 A/70 mm <sup>2</sup>
Continuous current rating of cross-connection 2...5-pole	A	(QL 2) 110		(QL 2) 170	
Continuous current rating of cross-connection 6...10-pole	A				

UL / CSA rated data

Voltage / current / conductor size	UL	600 V/95 A/2 AWG	600 V/165 A/3 AWG	600 V/200 A/3 AWG
Voltage / current / conductor size	CSA	600 V/110 A/6...1 AWG	600 V/170 A/1...2/0 AWG	600 V/170 A/1...2/0 AWG

Ordering data

Version		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
KrG		<b>018502</b>	10		<b>017082</b>	10		<b>028662</b>	10
Two clamping yokes KrG								<b>017042</b>	10

End plate, Hard paper (thickness mm)



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
EP 1 (2)	<b>020510</b>	10	EP 1 (2)	<b>020510</b>	10	EP 1 (2)	<b>020530</b>	10	EP 1 (2)	<b>020510</b>	10
EP 1 (2)	<b>020520</b>	10	EP 1 (2)	<b>020520</b>	10	EP 1 (2)	<b>020540</b>	10	EP 1 (2)	<b>020520</b>	10

Partition, Hard paper (thickness mm)



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
TW 1 (2)	<b>015140</b>	10	TW 1 (2)	<b>015140</b>	10	TW 2 (2)	<b>017710</b>	10	TW 1 (2)	<b>015140</b>	10
TW 1	<b>016460</b>	10	TW 1	<b>016460</b>	10	TW 2	<b>017990</b>	10	TW 1	<b>016460</b>	10

Cross-connection



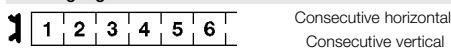
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
2-pole	QL 2	<b>019390</b>	5			QL 2	<b>019400</b>	5	QL 2	<b>019400</b>	5
3-pole	QL 3	<b>040760</b>	5			QL 3	<b>044150</b>	5	QL 3	<b>044150</b>	5
4-pole	QL 4	<b>040770</b>	5			QL 4	<b>044160</b>	5	QL 4	<b>044160</b>	5

Cover



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AH 28	<b>032666</b>	5	AH 28	<b>032666</b>	5	AH 32	<b>032676</b>	5	AH 32	<b>032676</b>	5

Marking tags



Print	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Consecutive horizontal	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-
Consecutive vertical	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-

For further accessories see section 3, further marking material see section 8

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/19 for a table of clearance and creepage distances.

**SAKG 32 II G**

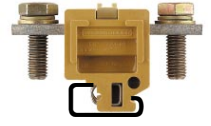
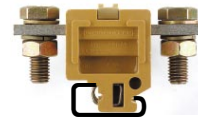
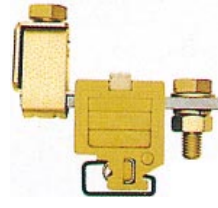
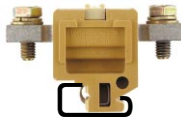
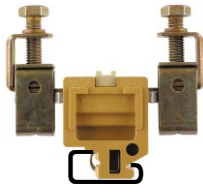
**SAKG 32 III**

**SAKG 70 II G**

**SAKG 40 I**

**SAKG 40 II**

**SAKG 40 II G**



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-/M 8/-			26 mm/M 8/-			-/M 8/-			27 mm/M 10/-			-/M 10/-			-/M 10/-																																																														
1000 V*/150 A/50 mm <sup>2</sup>			1000 V*/150 A/50 mm <sup>2</sup>			1000 V*/192 A/70 mm <sup>2</sup>			1000 V*/232 A/95 mm <sup>2</sup>			1000 V*/232 A/95 mm <sup>2</sup>			1000 V*/232 A/95 mm <sup>2</sup>																																																														
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QL 2	Cat. No.	Qty.																																																																											
QL 2	<b>019410</b>	10																																																																											
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\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/19 for a table of clearance and creepage distances.

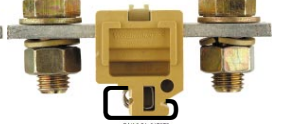
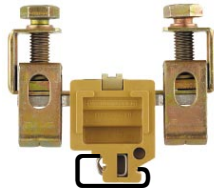
**Feed-through terminals**

**SAKG 40 III**

**SAKG 46 II**

**SAKG 46 II G**

**SAKG 54 II**



**Dimensions**

Width / length / height (mm)	with TS 32	40/100/84	46/106/55	46/106/57,5	54/122/57
Insulation stripping length/clamping screw/screwdriver blade		27 mm/M 10/-	-/M 12/-	-/M 12/-	-/M 16/-

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage / current / cross-section	1000 V*/232 A/95 mm <sup>2</sup>	1000 V*/309 A/150 mm <sup>2</sup>	1000 V*/309 A/150 mm <sup>2</sup>	1000 V*/415 A/240 mm <sup>2</sup>
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3

**Further technical data**

Tightening torque range	Nm	10...20	14...31	14...31	25...60
Torque setting with DMS 2 electric screwdriver					

**Clampable conductor**

solid H07V-U	mm <sup>2</sup>	10...95			
stranded H07V-R	mm <sup>2</sup>	10...95			
flexible H07V-K	mm <sup>2</sup>	10...95			
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	10...35			
Plug gauge according to 947-1	Size	B 12			
Continuous current of terminal block for conductor size		265 A/95 mm <sup>2</sup>	415 A/150 mm <sup>2</sup>	415 A/150 mm <sup>2</sup>	600 A/240 mm <sup>2</sup>
Continuous current rating of cross-connection 2...5-pole	A			(QL 2) 415	(QL 2) 600
Continuous current rating of cross-connection 6...10-pole	A				

**UL / CSA rated data**

Voltage / current / conductor size	UL	600 V/195 A/4/0 AWG	600 V/285 A/4/0 AWG	600 V/285 A/4/0 AWG	600 V/380 A/500 MCM
Voltage / current / conductor size	CSA	600 V/230 A/2/0...4/0 AWG	600 V/365 A/300 MCM	600 V/365 A/300 MCM	600 V/600 A/300...500 MCM

**Ordering data**

Version		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
KrG		<b>028692</b>	10		<b>017062</b>	10		<b>018532</b>	10
Two clamping yokes KrG								<b>017072</b>	10

**End plate, Hard paper (thickness mm)**

	Tropic-proof	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
		EP 2 (2)	<b>020530</b>	10	EP 2 (2)	<b>020530</b>	10	EP 2 (2)	<b>020530</b>	10	EP 2 (2)	<b>020530</b>	10
		EP 2 (2)	<b>020540</b>	10	EP 2 (2)	<b>020540</b>	10	EP 2 (2)	<b>020540</b>	10	EP 2 (2)	<b>020540</b>	10

**Partition, Hard paper (thickness mm)**

	Tropic-proof	TW 2 (2)	<b>017710</b>	10	TW 2 (2)	<b>017710</b>	10	TW 2 (2)	<b>017710</b>	10	TW 2 (2)	<b>017710</b>	10
		TW 2 (2)	<b>017990</b>	10	TW 2 (2)	<b>017990</b>	10	TW 2 (2)	<b>017990</b>	10	TW 2 (2)	<b>017990</b>	10

**Cross-connection**

	2-pole	QL 2	<b>024700</b>	5	QL 2	<b>024700</b>	5	QL 2	<b>026440</b>	5
	3-pole	QL 3	<b>044440</b>	5	QL 3	<b>044440</b>	5	QL 3	<b>040800</b>	5
	4-pole	QL 4	<b>044450</b>	5	QL 4	<b>044450</b>	5	QL 4	<b>024740</b>	5

**Cover**

	AH 40	<b>032686</b>	5	AH 46	<b>032696</b>	5	AH 46	<b>032696</b>	5
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**Marking tags**

	Print	Consecutive horizontal	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-
		Consecutive vertical	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-

For further accessories see section 3, further marking material see section 8

\* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary. See Page 1/19 for a table of clearance and creepage distances.

**SAKG 54 II G**

**SAKG 46/I AL**



54/122/60			46/112/74						
-/M 16/-			23 mm/M 12/M 14/-						
1000 V*/415 A/240 mm <sup>2</sup>			1000 V*/309 A/150 mm <sup>2</sup>						
8 kV/3			8 kV/3						
25...60			14...31/25...40						
			50...240						
			35...185						
600 A/240 mm <sup>2</sup>									
(QL 2) 600									
600 V/380 A/500 MCM			-						
600 V/600 A/300...500 MCM			-						
	Cat. No.	Qty.		Cat. No.	Qty.				
	<b>018542</b>	10		<b>128792**</b>	5				
				<b>128802***</b>	5				
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.				
EP 2 (2)	<b>020530</b>	10	EP 2 (2)	<b>020530</b>	10				
EP 2 (2)	<b>020540</b>	10	EP 2 (2)	<b>020540</b>	10				
TW 2 (2)	<b>017710</b>	10	TW 2 (2)	<b>017710</b>	10				
TW 2 (2)	<b>017990</b>	10	TW 2 (2)	<b>017990</b>	10				
QL 2	<b>026440</b>	5	QL 2	<b>019400</b>	5				
QL 3	<b>040800</b>	5	QL 3	<b>044150</b>	5				
QL 4	<b>024740</b>	5	QL 4	<b>044160</b>	5				
			AH 46	<b>032696</b>	5				
FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-				
FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-				

\*\* Suitable for connection of 1 aluminium conductor of max. 185 mm<sup>2</sup>  
 \*\*\* Suitable for connection of 2 aluminium conductors of max. 185 mm<sup>2</sup>

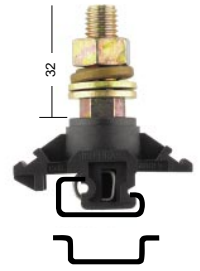
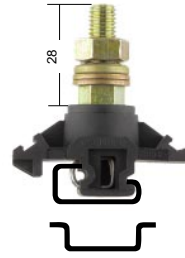
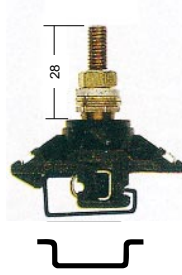
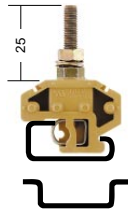
**Stud terminals**

**SS 6**

**SS 8**

**SS 10**

**SS 12**



**Dimensions**

Width / length / height (mm) with TS 32   
 Width / length / height (mm) with TS 35 x 7,5

Insulation stripping length/clamping screw/screwdriver blade

**Rated data**

Rated voltage / current / cross-section\*   
 Rated impulse voltage / pollution severity

**Further technical data**

Tightening torque range Nm   
 Torque setting with DMS 2 electric screwdriver

**Clampable conductor**

solid H07V-U mm<sup>2</sup>   
 stranded H07V-R mm<sup>2</sup>   
 flexible H07V-K mm<sup>2</sup>   
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>   
 Plug gauge according to 947-1 Size

Continuous current of terminal block for conductor size   
 Continuous current rating of cross-connection 2...5-pole A   
 Continuous current rating of cross-connection 6...10-pole A

**UL / CSA rated data**

Voltage / current / conductor size UL   
 Voltage / current / conductor size CSA

**Ordering data**

Version Qty. Qty.   
 KrG   
 PA GF   
 PA   
 PPO   
 KrG   
 for TS 35 x 7.5 PA   
 for TS 35 x 15/ 2.3 PA

18/40/62   
 18/49,5/54,5

-/M 6/-

400 V<sup>1</sup>/76 A/16 mm<sup>2</sup>   
 6 kV/3

3...6

82 A/16 mm<sup>2</sup>

600 V/85 A/12...4 AWG   
 600 V/65 A/6 AWG

Qty. Qty.   
**049822** 10 **064982** 10

36/60/68   
 36,5/60/68

-/M 8/-

1000 V<sup>1</sup>/125 A/35 mm<sup>2</sup>

6...12

135 A/35 mm<sup>2</sup>

Qty. Qty.   
**049810** 10 **133190** 10

36/60/68   
 36,5/60/68

-/M 10/-

1000V<sup>1</sup>/192 A/70 mm<sup>2</sup>

10...20

207A/70 mm<sup>2</sup>

Qty. Qty.   
**048490** 10 **133200** 10

36/60/72   
 36,5/60/72

-/M 12/-

1000 V<sup>1</sup>/232 A/95 mm<sup>2</sup>

14...31

250 A/95 mm<sup>2</sup>

Qty. Qty.   
**049830** 10 **133210** 10

**End plate, Hard paper (thickness mm)**

PA   
 PPO



Type Cat. No. Qty.

PA   
 PPO

Type Cat. No. Qty.

AP/TW (2) **133320** 10

Type Cat. No. Qty.

AP/TW (2) **133320** 10

Type Cat. No. Qty.

AP/TW (2) **133320** 10

**Partition, Hard paper (thickness mm)**

KrG   
 PA   
 PPO



TW HGW

TW

TW HGW (2) **060710** 20

TW (2) **045586** 10

TW (2) **133320** 10

TW (2) **045586** 10

TW (2) **133320** 10

TW (2) **045586** 10

TW (2) **133320** 10

**Cross-connection**

2-pole   
 3-pole   
 4-pole



QL 2 **028430** 5   
 QL 3 **027300** 5   
 QL 4 on request

QL 2 **134620** 5   
 QL 3 **157885** 5

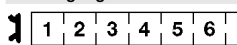
QL 2 **134620** 5   
 QL 3 **157885** 5

QL 2 **134600** 5

**Cover**



**Marking tags**



Print   
 Consecutive horizontal   
 Consecutive vertical

FW 5 **047346** -   
 FS 5 **047356** -

FW 5 **047346** -   
 FS 5 **047356** -

FW 5 **047346** -   
 FS 5 **047356** -

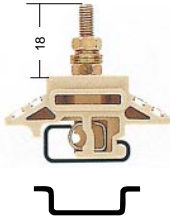
FW 5 **047346** -   
 FS 5 **047356** -

For further accessories see section 3, further marking material see section 8

\* Dependent on cable lug

) with partition

**KST 5**



24/60/59,5
24/62,5/54
-/M 5/-
1000 V <sup>1)</sup> /57 A/10 mm <sup>2</sup>
8 kV/3
2...4

65 A/10 mm<sup>2</sup>

600 V/50 A/12...6 AWG

Qty. Qty.

**950337** 25

**950823** 25

**952830** 25

Type Cat. No. Qty.

TW/KST (2) **950139** 10

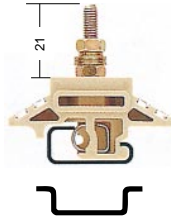
QL 2 **950339** 1

FW 5 **047346** -

FS 5 **047356** -

<sup>1)</sup> with partition

**KST 6**



24/60/59,5
24/62,5/54
-/M 6/-
1000 V <sup>1)</sup> /76 A/16 mm <sup>2</sup>
8 kV/3
3...6

82 A/16 mm<sup>2</sup>

600 V/65 A/12...6 AWG

Qty. Qty.

**950131** 25

**950694** 25

**952831** 25

Type Cat. No. Qty.

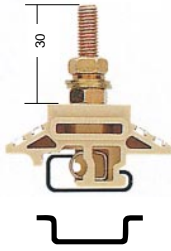
TW/KST (2) **950139** 10

QL 2 **950135** 5

FW 5 **047346** -

FS 5 **047356** -

**KST 8**



24/60/69,5
24/62,5/54
-/M 8/-
1000 V <sup>1)</sup> /125 A/35 mm <sup>2</sup>
8 kV/3
6...12

135 A/35 mm<sup>2</sup>

600 V/115 A/12...2 AWG

Qty. Qty.

**950132** 25

**950695** 25

**952832** 25

Type Cat. No. Qty.

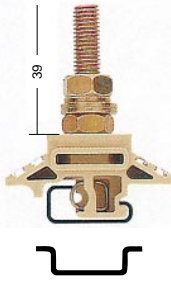
TW KST (2) **950139** 10

QL 2 **950136** 1

FW 5 **047346** -

FS 5 **047356** -

**KST 10**



34/60/79,5
34/62,5/74
-/M 10/-
1000 V <sup>1)</sup> /192 A/70 mm <sup>2</sup>
8 kV/3
10...20

207 A/70 mm<sup>2</sup>

600 V/175 A/12...2/0

Qty. Qty.

**950133** 20

**950696** 20

**952833** 20

Type Cat. No. Qty.

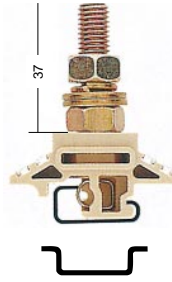
TW KST (2) **950139** 10

QL 2 **950137** 1

FW 5 **047346** -

FS 5 **047356** -

**KST 12**



34/60/79,5
34/62,5/74
-/M 12/-
1000 V <sup>1)</sup> /232 A/95 mm <sup>2</sup>
8 kV/3
14...31

250 A/95 mm<sup>2</sup>

600 V/200 A/12...3/0

Qty. Qty.

**950134** 20

**950697** 20

**952834** 20

Type Cat. No. Qty.

TW KST (2) **950139** 10

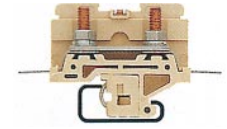
QL 2 **950138** 1

FW 5 **047346** -

FS 5 **047356** -

**ST 5**  
without  
solder  
connection

**STSL 5**  
with  
solder  
connection<sup>3)</sup>



16,3/52 <sup>2)</sup> /45,5
-/M 5/-
750 V/76 A/16 mm <sup>2</sup>
8 kV/3
2...4

85 A/16 mm<sup>2</sup>

600 V/65 A/12...10 AWG

Qty. Qty.

**ST 5** **STSL 5**

**044836** 1 **046286** 1

**044834** 1 **046284** 1

Type Cat. No. Qty.

AP (1,5) **044724** 1

TW (1,5) **047766** 1

TW (1,5) **047764** 1

QL 2 **383430** 1

**044770** 1

FW 6 **046866** -

FS 6 **046876** -

<sup>2)</sup> Width with soldering tag 76.5 mm  
<sup>3)</sup> Soldering connection 2.5 mm<sup>2</sup> (illustrated)



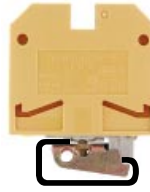
**PE terminals**

**EK 2.5 N**

**EK 4**

**EK 10**

**EK 16**



**Dimensions**

Width / length / height (mm)	with TS 32	6/36.5/49.5	8/40/51.5	10/40/51.5	12/50/57.5
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	12 mm/M 3/3,5 x 0,6	12 mm/M 6/5,5 x 1,0	16 mm/M 4/5,5 x 1,0

**Rated data IEC 947-7-2**

Rated voltage/current for PEN/cross-section		-/-/2.5 mm <sup>2</sup>	-/-/4 mm <sup>2</sup>	-/-/10 mm <sup>2</sup>	-/-/16 mm <sup>2</sup>
---	--	-------------------------	-----------------------	------------------------	------------------------

Rated voltage/impulse voltage VDE

0110/1.89/pollution severity

**Further technical data**

Tightening torque range	Nm	0,4...0,8/0,5...1,0*	0,5...1,0/0,5...1,0*	1,2...2,0/0,5...1,0*	1,2...2,4/0,8...1,0*
Torque setting with DMS 2 electric screwdriver		1/2	2/2	4/2	4/3

**Clampable conductor**

solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...6	0,5...10	2,5...16
stranded H07V-R	mm <sup>2</sup>	0,5...1,5	0,5...4	1,5...6	2,5...16
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...4	0,5...10	2,5...16
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5	0,5...4	0,5...10	4...16
Cable AWG	Nr.	22...14	22...10	20...8	12...6
Plug gauge according to 947-1	Size	A 3	A 4	B 6	B 6

**Ordering data**

Version		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
Green/yellow PA		<b>047436</b>	100		<b>035456</b>	100		<b>035466</b>	80		<b>037466</b>	50

Blank  
Two clamping yokes blank  
Hexagon socket blank

**Support block**



For insulation of mounting rails  
in insulated-earth installations

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10	SH 2	<b>049492</b>	10

**Marking material**

	1 2 3 4 5 6	Consecutive horizontal	FW 6	<b>046866</b>	-	FW 6.5	<b>046816</b>	-	FW 5	<b>047346</b>	-	FW 5	<b>047346</b>	-
		Consecutive vertical	FS 6	<b>046876</b>	-	FS 6.5	<b>046826</b>	-	FS 5	<b>047356</b>	-	FS 5	<b>047356</b>	-

For further accessories see section 3, further marking material see section 8

\* For centre screw

**EK 35**



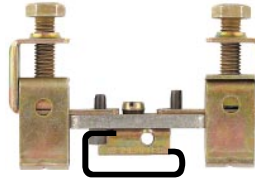
**EK 2**



**SAKE 35**



**SAKE 70**



18/58/67.5  
20 mm/M 6/6,5 x 1,2

-/-/35 mm<sup>2</sup>

2,5...5,0/1,2...1,6\*  
-/3

6...16


16...50

10...35

10...35

10...2

B 9

 Cat. No. Qty.  
**035476** 20

Type Cat. No. Qty.  
SH 2 **049492** 10

10/52/38  
14 mm/M 5/-

-/-/10

1,2...2,4/2,0...4,0\*

1,5...10


1,5...10

1,5...10

1,5...10

16...8

B 6

 Cat. No. Qty.  
**032310** 20

Type Cat. No. Qty.  
SH 2 **049492** 10

14/46/39  
16 mm/M 6/-

-/-/35 mm<sup>2</sup>

2,5...5,0/2,0...4,0\*

6...35


6...35

6...16

10...35

8...2

B 8

 Cat. No. Qty.  
**014440** 20

one clamping yoke

Type Cat. No. Qty.  
SH 2 **049492** 10

18/94/59,5  
25 mm/M 8/-

-/-/70 mm<sup>2</sup>

6,0...12/2,0...4,0\*

10...70\*\*


10...70

10...70

10...70

6...0

B 10

 Cat. No. Qty.  
**021320** 20

Type Cat. No. Qty.  
SH 2 **049492** 10

FW 5 **047346** -  
FS 5 **047356** -

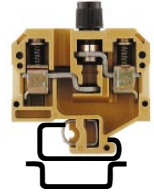
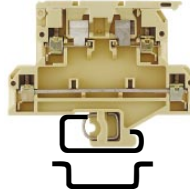
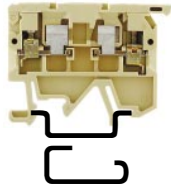
Fuse terminals

ASK 1

KDKS 1  
KDKS 1/35

SAKS 1  
SAKS 1/35

SAKS 1/G25  
SAKS 1/35/G25



for fuse inserts



5 x 20 without indicator

5 x 20 without indicator

5 x 20 without indicator

5 x 20 with indicator

Dimensions

Width / length / height (mm)	with TS 32 
Width / length / height (mm)	with TS 35 x 7,5 
Insulation stripping length/clamping screw/screwdriver blade	

Rated data / feed-through-terminal base	
Rated voltage / current / cross-section	500 V AC/6.3 A/4 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3

Further technical data	
Tightening torque range	Nm 0,5...1,0
Torque setting with DMS 2 electric screwdriver	2

Clampable conductor	
solid H07V-U	mm <sup>2</sup> 0,5...4
stranded H07V-R	mm <sup>2</sup> 1,5...4
flexible H07V-K	mm <sup>2</sup> 0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup> 0,5...4
Plug gauge according to 947-1	Size A 4
Continuous current rating of cross-connection 2...5-pole	A (QB 2...4) 10
Continuous current rating of cross-connection 6...10-pole	A

UL / CSA rated data	
Voltage / current / conductor size	UL 300 V/6.3 A/12 max. AWG
Voltage / current / conductor size	CSA 300 V/6.3 A/26...12 AWG

Ordering data	
Version	 Best.-Nr. Qty.
	<b>047456</b> 100

8/58/45.5
8/58/44
9 mm/M 3/3,5 x 0,6
500 V AC/6.3 A/4 mm <sup>2</sup>
6 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
A 4
(QB 2...4) 10

8/73,5/59,8
8/73,5/55,7
9 mm/M 3/3,5 x 0,6
500 V~/6,3 A/4 mm <sup>2</sup>
6 kV/3
0,5...1,0
2
0,5...4
0,5...4
0,5...4
A 4
(QB 2...4) 10



13/54/61
13/54/54
12 mm/M 4/5,5 x 1,0
500 V~/10 A/10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36





13/54/61
13/54/54
12 mm/M 4/5,5 x 1,0
500 V~/10 A/10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36





Cross-connections







Fixing screw for Cross-connections

300 V/6.3 A/12 max. AWG	300 V/6.3 A/26...12 AWG
 Best.-Nr. Qty.	 Best.-Nr. Qty.
<b>047456</b> 100	

300 V/15 A/12 max. AWG	300 V/15 A/12 max. AWG
 Qty.  Qty.	 Qty.  Qty.
<b>950330</b> 50 <b>950331</b> 50	<b>950330</b> 50 <b>950331</b> 50


300 V/6 A/22...10 AWG	600 V/10 A/26...10 AWG
 Qty.  Qty.	 Qty.  Qty.
Wemid-beige <b>050160</b> 20	Wemid-beige <b>050160</b> 20
<b>019122</b> 20 <b>050162</b> 20	<b>019122</b> 20 <b>050162</b> 20
QL 2 <b>019140</b>	QL 2 <b>019140</b>
QL 3 <b>019150</b>	QL 3 <b>019150</b>
QL 4 <b>019160</b>	QL 4 <b>019160</b>
QL 10 <b>033880</b>	QL 10 <b>033880</b>
BS (M 3x6) <b>034620</b>	BS (M 3x6) <b>034620</b>


300 V/6 A/22...10 AWG	600 V/10 A/26...10 AW
 Qty.  Qty.	 Qty.  Qty.
Wemid-beige <b>050150</b> 20	Wemid-beige <b>050150</b> 20
<b>019112</b> 20 <b>050152</b> 20	<b>019112</b> 20 <b>050152</b> 20


End plate / partition (thickness mm)



Type	Cat. No.	Qty.
AP (1.5)	<b>038036</b>	20

Type	Cat. No.	Qty.
AP 1 KDKS for 	<b>950333</b>	25
TW (2,0)	<b>060700</b>	20

Type	Cat. No.	Qty.
AP (2,5)	<b>019132</b>	20
Wemid-beige for 	<b>019130</b>	
TW (2,0)	<b>060700</b>	20

Type	Cat. No.	Qty.
AP (2,5)	<b>019132</b>	20
Wemid-beige for 	<b>019130</b>	
TW (2,0)	<b>060700</b>	20

G fuse inserts 5 x 20 mm

to DIN 41660 IEC 127 BL 1	Rated current (A): 0.10 fast	
Rated voltage 250 V~	0.20 fast	<b>043040</b> 10
Switching capacity 1500 A	0.25 fast	<b>043050</b> 10
(at 250 V, 50 Hz, cos = 0.7)	0.50 fast	<b>043060</b> 10
	1.0 fast	<b>043070</b> 10
	1.6 fast	<b>043080</b> 10
	2.0 fast	<b>043090</b> 10
	2.5 fast	<b>043100</b> 10

		<b>043040</b> 10
		<b>043050</b> 10
		<b>043060</b> 10
		<b>043070</b> 10
		<b>043080</b> 10
		<b>043090</b> 10
		<b>043100</b> 10

		<b>043040</b> 10
		<b>043050</b> 10
		<b>043060</b> 10
		<b>043070</b> 10
		<b>043080</b> 10
		<b>043090</b> 10
		<b>043100</b> 10

0,25 (m)	<b>054690</b> 10
0,5 (m)	<b>051030</b> 10
0,8 (m)	<b>064640</b> 10
1 (m)	<b>026580</b> 10
10 (m)	<b>019310</b> 10
2 (f)	<b>019270</b> 10
4 (f)	<b>019280</b> 10
6,3 (f)	<b>019290</b> 10

Screw cap/disconnect lever (spare)

TH	<b>037706</b>	100
SIHA	<b>159302</b>	100

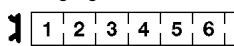
TH	<b>037706</b>	100
SIHA	<b>159302</b>	100

More fuse cartridges see Page 2/93

SK (5 x 20)	<b>028210</b>	20
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SK (5 x 25)	<b>028200</b>	20
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Marking tags



Red pull lever  
Print  
Consecutive horizontal  
Consecutive vertical

FW 8	<b>127696</b>	-
FS 8	<b>128966</b>	-

FW 8	<b>127696</b>	-
FS 8	<b>128966</b>	-

FW 5	<b>047346</b>	-
FS 5	<b>047356</b>	-

FW 5	<b>047346</b>	-
FS 5	<b>047356</b>	-

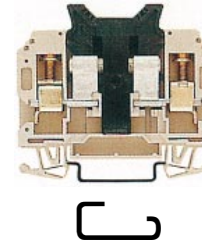
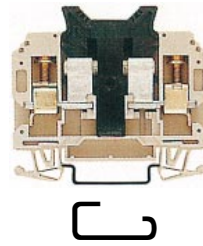
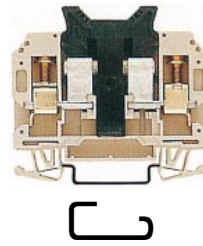
For further accessories see section 3, further marking material see section 8

## Fuse terminals

### KSKM 1

### KSKM 2

### KSKM 3



#### Dimensions

Width / length / height (mm)	with TS 32	13/69/62
Width / length / height (mm)	with TS 35 x 7,5	13/69/63
Insulation stripping length/clamping screw/screwdriver blade		12 mm/-/-

#### Rated data / feed-through-terminal base

Rated voltage / current / cross-section	250 V~/6,3 A <sup>1)</sup> /10 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	

#### Further technical data

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...16
stranded H07V-R	mm <sup>2</sup>	
flexible H07V-K	mm <sup>2</sup>	0,5...10
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	
Plug gauge according to 947-1	Size	B 6
Continuous current rating of cross-connection 2...5-pole	A	
Continuous current rating of cross-connection 6...10-pole	A	

#### UL / CSA rated data

Voltage / current / conductor size	UL	600 V/10 A/22...8 AWG
Voltage / current / conductor size	CSA	

#### Ordering data

Version	Qty.	VP
	20	
<b>950957</b>	20	<b>950960</b>
Wemid		Wemid
24 V~		
24 V-		
24 V=		
48 V~		
48 V-		
48 V=		
40-50 V~		
40-50 V-		
100 V~		
100 V=		
125 V~		
220 V~		
250 V~		
250 V=		

#### End plate / partition (thickness mm)



Type	Cat. No.	Qty.
AP (3)	<b>950963</b>	20

Type	Cat. No.	Qty.
AP (3)	<b>950963</b>	20

Type	Cat. No.	Qty.
AP (3)	<b>950963</b>	20

#### G fuse inserts 5 x 20 mm

Rated current (A):	Rated voltage 250 V~	fast Switching capacity 1500 A (at 250 V, 50 Hz, cos = 0.7)	Type	Cat. No.	Qty.
0,2 fast				<b>043040</b>	10
0,25 fast				<b>043050</b>	10
0,5 fast				<b>043060</b>	10
0,63 fast				<b>043900</b>	10
1,0 fast				<b>043070</b>	10
1,6 fast				<b>043080</b>	10
2,0 fast				<b>043090</b>	10
2,5 fast				<b>043100</b>	10
3,15 fast				<b>043110</b>	10
4,0 fast				<b>043120</b>	10
5,0 fast				<b>043130</b>	10
6,3 fast				<b>043140</b>	10

Type	Cat. No.	Qty.
11/4 x1/4"		
E 2 A	<b>029450</b>	10
E 3 A	<b>029570</b>	10
E 5 A	<b>029460</b>	10
E 7 A	<b>029580</b>	10
E 10 A	<b>029390</b>	10

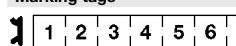
#### Screw cap/disconnect lever (spare)

Contact sleeve	5 x 20 SBL	<b>044610</b>	40
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Contact sleeve	1 x 1/4" SBL	<b>044620</b>	40
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Contact sleeve	1 1/4 x 1/4" SBL	<b>044630</b>	40
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#### Marking tags



Print	Consecutive horizontal	Consecutive vertical
FW 5	<b>047346</b>	-
FS 5	<b>047356</b>	-

Print	Consecutive horizontal	Consecutive vertical
FW 5	<b>047346</b>	-
FS 5	<b>047356</b>	-

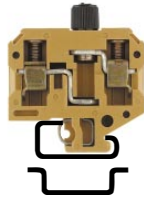
Print	Consecutive horizontal	Consecutive vertical
FW 5	<b>047346</b>	-
FS 5	<b>047356</b>	-

For further accessories see section 3, further marking material see section 8

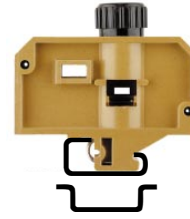
<sup>1)</sup> Max. fuse rating i.a.w DIN 41660, IEC 127 CEE4 Type 1  
<sup>2)</sup> Fuses according to BS 1362

## Fuse terminals

### SAKS 3 SAKS 3/35



### SAKS 4 SAKS 4/35



### SAKS 5 SAKS 5/35



#### Dimensions

Width / length / height (mm)	with TS 32
Width / length / height (mm)	with TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	12 mm/M 4/5,5 x 1

#### Rated data terminal base

Rated voltage / current / cross-section	500 V AC/10 A/10 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3

#### Further technical data

Tightening torque range	Nm	1,2...2,4
Torque setting with DMS 2 electric screwdriver		4

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...16
stranded H07V-R	mm <sup>2</sup>	1,5...10
flexible H07V-K	mm <sup>2</sup>	0,5...10
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...10
Plug gauge according to 947-1	Size	B 6
Continuous current rating of cross-connection 2...5-pole	A	(QL 2...5) 47
Continuous current rating of cross-connection 6...10-pole	A	(QL 6...10) 36

#### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/22...10 AWG
Voltage / current / conductor size	CSA	600 V/10 A/22...10 AWG

#### Ordering data

Version		Qty.		Qty.
---------	--	------	--	------

13/54/61
13/54/55

24/75/73
24/75/66

28/80/80,5
28/80/66

12 mm/M 4/5,5 x 1
-------------------

14 mm/M 4/5,5 x 1
-------------------

13 mm/M 4/5,5 x 1
-------------------

500 V AC/10 A/10 mm <sup>2</sup>
6 kV/3

400 V~/16 A/10 mm <sup>2</sup>
6 kV/3

400 V~/63 A***/16 mm <sup>2</sup>
6 kV/3

Nm	1,2...2,4
	4

Nm	1,2...2,4
	4

Nm	1,2...2,4
	4

mm <sup>2</sup>	0,5...16
mm <sup>2</sup>	1,5...10
mm <sup>2</sup>	0,5...10
mm <sup>2</sup>	0,5...10
Size	B 6
A	(QL 2...5) 47
A	(QL 6...10) 36

mm <sup>2</sup>	0,5...16
mm <sup>2</sup>	1,5...10
mm <sup>2</sup>	0,5...10
mm <sup>2</sup>	0,5...10
Size	B 6
A	(QL 2...5) 47
A	(QL 6...10) 36

mm <sup>2</sup>	1,5...16
mm <sup>2</sup>	1,5...16
mm <sup>2</sup>	1,5...16
mm <sup>2</sup>	1,5...16
Size	B 7
A	(QL 2...5) 47
A	(QL 6...10) 36

UL	300 V/10 A/22...10 AWG
CSA	600 V/10 A/22...10 AWG

UL	600 V/30 A/22...8 AWG
----	-----------------------

UL	600 V/63 A/14...6 AWG
----	-----------------------

Version		Qty.		Qty.
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Version		Qty.		Qty.
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Version		Qty.		Qty.
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024892 <sup>3)</sup>	20	066752 <sup>3)</sup>	20
029752 <sup>4)</sup>	20	032892 <sup>4)</sup>	20

032132	20	050182	20
050180	20		

035942	20	050212	20
050210	20		

Wemid colours

#### End plate/partition (thickness mm)

PA	Type	Cat. No.	Qty.
HP	AP (2.5)	019132	
	for		
	TW (2.0)	060700	

#### Cross-connections

QL 2	019140
QL 3	019150
QL 4	019160
QL 10	033880

QL 2	032800	20
QL 3	032810	20
QL 4	032820	20
QL 10	033900	20

QL 2	020780	20
QL 3	020790	20
QL 4	020800	20
QL 10	033890	20

Fixing screws  
for Cross-connections

#### Fuse inserts

1 1/4" x 1/4"	Nominal current (A):	0.5 high-speed
according to DEF 63/size 0		1.0 high-speed
without indicator		2.0 high-speed
		3.0 high-speed
		5.0 high-speed
		7.0 high-speed
		10.0 high-speed

#### G fuse inserts 5 x 30 mm (500 V~/0.032...6.3 A).

Available from Wickmann-Werke GmbH,	2.0 fast
Annstr. 113, 5810 Witten 6, Tel. 02302/6620	4.0 fast
Brass insert	5.0 fast
	6.3 fast

#### D fuse inserts

BS (M 3x6)	034620
------------	--------

SS M 4	013640	100
BS M 4x9	010330	100

SS M 4	013640	100
BS M 4x9	010330	100

#### Screw cap (spare)

SK (5 x 30)	028200
SK (1 1/4 x 1/4")	042890

SK	033941	20
----	--------	----

SK	035931	20
----	--------	----

#### Marking tags

	1	2	3	4	5	6	Print
	Consecutive horizontal						
	vertical Printed						

FW 5	047346
FS 5	047356

FW 5	047346
FS 5	047356

FW 5	047346
FS 5	047356

For further accessories see section 3, further marking material see section 8

\* For TS 32 only  
\*\* Also for 440 V~ with Neozed marine fuse  
\*\*\* Current for overload up to 10 A, for short-circuit up to 25 A

<sup>3)</sup> For fuse inserts 1 1/4 x 1/4" DEF 63  
<sup>4)</sup> For fuse inserts 5 x 30

**SAKS 2**  
**SAKS 2/35**



28/80/81,5
28/80/75
12 mm/M 4/5,5 x 1
500 V~/10 (25) A**/10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
0,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36

600 V/25 A/22...8 AWG
Qty. Qty.
<b>020682</b> 20 <b>136872</b> 20
<b>136870</b> 20
Diazed E 16
Type Cat. No. Qty.
TW HP (2,0) <b>060700*</b> 20

QL 2 <b>020780</b> 20
QL 3 <b>020790</b> 20
QL 4 <b>020800</b> 20
QL 10 <b>033890</b> 20

SS M 4 <b>013640</b> 100
BS M 4x9 <b>010330</b> 100
Gauge piece

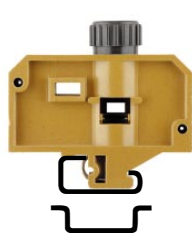
P 16/10 <b>020890</b> 100
P 16/16 <b>020900</b> 100
P 16/20 <b>020910</b> 100

Rated voltage 380 V
E 10 A <b>020850</b> 25
E 16 A <b>020860</b> 25
E 20 A <b>020870</b> 25
E 25 A <b>020880</b> 25

SK <b>028411</b> 20
SK (with spring) <b>016173</b> 20

FW 5 <b>047346</b>
FS 5 <b>047356</b>

**SAKS 4 USA**  
**SAKS 4 Frankr.**



24/75/73
24/75/66
14 mm/M 4/5,5 x 1
400 V~/30 A/10 mm <sup>2</sup>
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36

600 V/30 A/20...8 AWG
600 V/30 A/22...8 AWG
Qty. Qty.
<b>032142<sup>1)</sup></b> 20 <b>050202<sup>1)</sup></b> 20
<b>016222<sup>2)</sup></b> 20 <b>017822<sup>2)</sup></b> 20
10,3 x 38,1
Type Cat. No. Qty.
TW HP (2,0) <b>060700*</b> 20

QL 2 <b>032800</b> 20
QL 3 <b>032810</b> 20
QL 4 <b>032820</b> 20
QL 10 <b>033900</b> 20

SS M 4 <b>013640</b> 100
BS M 4x9 <b>010330</b> 100

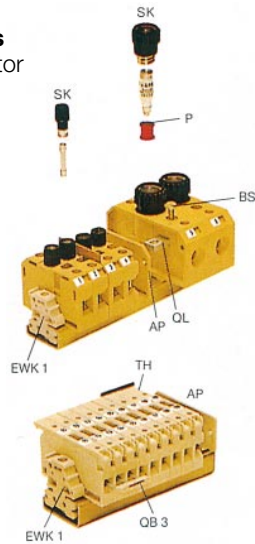
P 16/10 <b>020890</b> 100
P 16/16 <b>020900</b> 100
P 16/20 <b>020910</b> 100

Rated voltage 380 V
E 10 A <b>020850</b> 25
E 16 A <b>020860</b> 25
E 20 A <b>020870</b> 25
E 25 A <b>020880</b> 25

SK <b>034923</b> 20
SK (with spring) <b>016173</b> 20

FW 5 <b>047346</b>
FS 5 <b>047356</b>

**Fuse terminals**  
with fault indicator



**Dimensions**

Terminal width (+ 0.2 assembly tolerance)	mm
Insulation stripping length	mm

**Connection data**

Screw connection, solid
Screw connection, flexible
Conductor cross-section

**VDE rated data**

Current	6,3 A
Voltage	24 V- 24 V- 48 V- 60 V- 115 V- 230 V-
LED current (24...60 V)	≤ 2 mA
LED current (115...230 V)	≤ 2 mA
LED current (24...230 V)	–
Incandescent lamp current	–
Neon lamp current	–
Cross-section	4 mm <sup>2</sup>

**Ordering data**

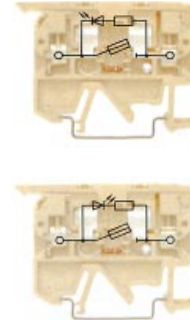
Type	Cat. No.	Qty.
24 V-	ASK 1 LD <b>805081</b>	25
24 V-	ASK 1 LD <b>022276</b>	25
48 V-	ASK 1 LD <b>022526</b>	25
60 V-	ASK 1 LD <b>022646</b>	25
115 V-	ASK 1 LD <b>022546</b>	25
230 V-	ASK 1 LD <b>022566</b>	25
24 V-	ASK 1 LD <b>022286</b>	25
48 V-	ASK 1 LD <b>022536</b>	25
60 V-	ASK 1 LD <b>022636</b>	25
115 V-	ASK 1 LD <b>022556</b>	25
230 V-	ASK 1 LD <b>022576</b>	25
12 V~/24 V-		
20-30 V~/40-60 V-		
40-60 V~/80-120 V-		
115 V~/230 V-		

**Accessories**

Mounting rail	
End bracket (thickness mm)	for TS 32  for TS 35
End plate (thickness mm)	
Cross-connection bridges	
Type QB	
	straight
	angled
Fixing screw (fits QL)	
Disconnect lever (spare)	

For further accessories see section 3, further marking material see section 8

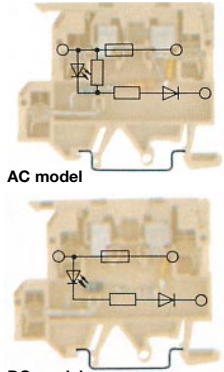
**ASK 1 LD**  
Fuse cartridge 5 x 20  
only 805081



**Warning:**  
In the event of a faulty fuse, the connection system is live.

8
9
0,5...4 mm <sup>2</sup>
0,5...4 mm <sup>2</sup>
AWG 22...12
6,3 A
≤ 2 mA
≤ 2 mA
–
–
4 mm <sup>2</sup>
Type Cat. No. Qty.
ASK 1 LD <b>805081</b> 25
ASK 1 LD <b>022276</b> 25
ASK 1 LD <b>022526</b> 25
ASK 1 LD <b>022646</b> 25
ASK 1 LD <b>022546</b> 25
ASK 1 LD <b>022566</b> 25
ASK 1 LD <b>022286</b> 25
ASK 1 LD <b>022536</b> 25
ASK 1 LD <b>022636</b> 25
ASK 1 LD <b>022556</b> 25
ASK 1 LD <b>022576</b> 25
Mountable on
TS 32 und TS 35
TS 32 <b>012280</b> –
TS 35x7,5 <b>038340</b> –
TS 35x15 <b>049800</b> –
EWK 1 <b>020616</b> 50
EW 35 <b>038356</b> 50
AP PA (1,5) <b>038036</b> 20
QB 2 <sup>1)</sup> <b>046110</b> 100
QB 3 <sup>1)</sup> <b>046120</b> 50
QB 4 <sup>1)</sup> <b>046130</b> 50
TH (spare) <b>037706</b> 100

**KDKS 1**  
Fuse cartridge 5x20/5x25  
only 805081



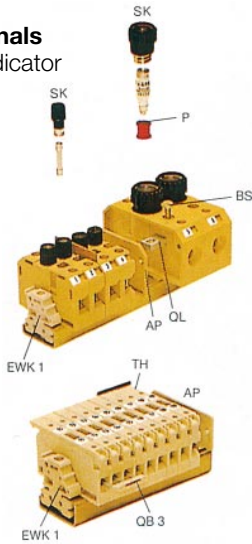
**Warning:**  
In the event of a faulty fuse, the connection system is live.

8
9
0,5...4 mm <sup>2</sup>
0,5...4 mm <sup>2</sup>
AWG 22...12
6,3 A
24...230 V (depending on terminal)
≤ 2 mA
–
–
4 mm <sup>2</sup>
Type Cat. No. Qty.
KDKS 1 <b>814645</b> 25
KDKS 1 <b>814895</b> 25
KDKS 1 <b>814896</b> 25
KDKS 1 <b>814894</b> 25
KDKS 1 <b>814893</b> 25
KDKS 1 <b>814892</b> 25
KDKS 1 <b>814284</b> 25
KDKS 1 <b>814891</b> 25
Mountable on
TS 32 und TS 35
TS 32 <b>012280</b> –
TS 35x7,5 <b>038340</b> –
TS 35x15 <b>049800</b> –
EW 35 <b>038356</b> 50
AP KDKS <b>950334</b> 20
QB 2 <sup>1)</sup> <b>046110</b> 50
QB 3 <sup>1)</sup> <b>046120</b> 50
QB 4 <sup>1)</sup> <b>046130</b> 50
QB 58 <sup>1)</sup> <b>054540</b> –
QB 58 <sup>1)</sup> <b>054530</b> –

<sup>1)</sup> French version  
<sup>2)</sup> USA version

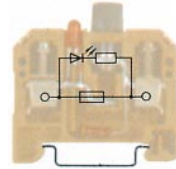
<sup>1)</sup> When using QB, the rated cross-current reduces to max. 2.5 mm<sup>2</sup>

## Fuse terminals with fault indicator



## SAKS 1

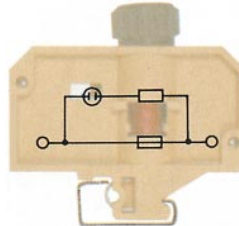
Fuse cartridge 5x20/5x25



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 4

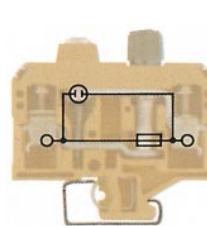
Fuse cartridge E14/D 01  
(e.g. Neozed D 01)



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 6

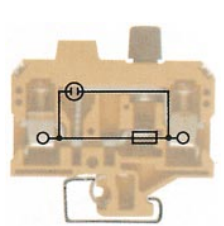
Fuse cartridge 11/4" x 1/4"  
to DEF 63



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

## SAKS 7

Fuse cartridge 5x20/5x25



**Warning:**  
In the event of a faulty fuse, the connected circuit is live!

### Dimensions

Terminal width (+ 0.2 assembly tolerance)	mm	13
Insulation stripping length	mm	12
<b>Connection data</b>		
Screw connection, solid		0,5...16 mm <sup>2</sup>
Screw connection, flexible		0,5...10 mm <sup>2</sup>
Conductor cross-section		AWG 20...8

### VDE rated data

Voltage/Current		~/10 A
LED current (24...60 V)		≤ 5 mA
LED current (115...230 V)		-
Incandescent lamp current		≤ 50 mA
Neon lamp current		≤ 0,5 mA
Cross-section		10 mm <sup>2</sup>

### Ordering data

Voltage		TS 32 Qty.	TS 35 Qty.
<b>Fuse cartridge 5 x 20</b>			
LED	24 V~	037142	10 022582
	24 V~	111122	10 111132
	48 V~	012172	10 022602
	48 V~	021392	10 021402
SAKS 1 GL			
Incandescent lamp	24 V=	037172	10 017322
	48 V=	037892	10 017312
SAKS 1 GL			
Neon lamp	115 V=	038532	10
	230 V=	030612	10 019992
SAKS 1 LD			
LED	24 V~	040782	10 on request
	SAKS GL		
	Incandescent lamp	24 V=	038802
48 V=		038812	10 on request
SAKS 1 GL			
Neon lamp	115 V=	038522	10 -
	230 V=	030932	10 019862

### Accessories

Mounting rail		Type	Cat. No.	Qty.
		TS 32	012280	-
		TS 35x7,5	038340	-
		TS 35x15	049800	-
End bracket (thickness mm)	for TS 32	EWK 1 (8,5)	020616	50
	for TS 35	EW 35 (8,5)	038356	50
End plate (thickness mm)		AP KrG (3)	019132	20
Cross connection brackets				
Type QL				
Cross-connection bridges				
Type QB				
Fixing screw (matches QL)				
Screw cap (spare)		SK (5 x 20)	028210	20
		SK (5 x 25)	028200	100
Incandescent lamp				

### Type Cat. No. Qty.

Type	Cat. No.	Qty.
<b>SAKS 4</b>		
TS 32 neon lamp		
Voltage		
115 V=	010182	10
230 V=	010192	10
380 V=	010202	10
480 V=	010212	10

### Type Cat. No. Qty.

Type	Cat. No.	Qty.
<b>SAKS 6 KrG</b>		
053182	40	
for 1 1/4" x 1/4" to DEF 63		
exchangeable neon lamps (please order separately)		

### Type Cat. No. Qty.

Type	Cat. No.	Qty.
<b>SAKS 7 KrG</b>		
057612	40	
for 5 x 25		
<b>SAKS 7 KrG</b>		
057312	40	
for 5 x 20		
exchangeable neon lamps (please order separately)		

### Type Cat. No. Qty.

TS 32	012280	-
EWK 1 (8,5)	020616	50
QL 2	019140	50
QL 3	019150	50
QL 4	019160	20
QL 10	033880	20
BS M 3x6 m. SS	034620	100

### Type Cat. No. Qty.

TS 32	012280	-
EWK 1 (8,5)	020616	50
AP KrG	014672	20
QL 2	019140	50
QL 3	019150	50
QL 4	019160	20
QL 10	033880	20
BS M 3x6 m. SS	034620	100
Neon lamp 230 V~	055030	-
Neon lamp 115 V~	055020	-

### Type Cat. No. Qty.

TS 32	012280	-
EWK 1 (8,5)	020616	50
AP KrG (3)	014672	20
QL 2	020780	20
QL 3	020790	20
QL 4	020800	20
QL 10	033890	20
BS M 4x9 m. SS	013330	100
Neon lamp 230 V~	055030	-
Neon lamp 115 V~	055020	-

## Fuse cartridges and gauge rings for Weidmüller terminals

### Fuse inserts

for terminal type

for terminal type	Size (mm)	Rated voltage (V-)	Rated current (A)	Cat. No.	Qty.	
<b>G-fuse inserts 5 x 20 without indicator to DIN 41660, IEC 127 Part 1</b>						
SAKS 1 SAKS 7 ASK 1 WSI 6	5 x 20 Breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0.7)	250	0,2 (F)	<b>043040</b>	10	
			0,25 (F)	<b>043050</b>	10	
			0,5 (F)	<b>043060</b>	10	
			0,63 (F)	<b>043900</b>	10	
			1,0 (F)	<b>043070</b>	10	
			1,6 (F)	<b>043080</b>	10	
			2,0 (F)	<b>043090</b>	10	
			2,5 (F)	<b>043100</b>	10	
			3,15 (F)	<b>043110</b>	10	
			4,0 (F)	<b>043120</b>	10	
			5,0 (F)	<b>043130</b>	10	
6,3 (F)	<b>043140</b>	10				
			(F) = fast			
<b>G-fuse inserts 5 x 25 with indicator to DIN 41576<sup>1)</sup></b>						
SAKS 1 SAKS 7 WSI 6	5 x 25 m. K. <sup>1)</sup> Breaking capacity 80 A (at 250 V, 50 Hz, cos φ = 1)	250	0,25 (M)	<b>054690</b>	10	
			0,5 (M)	<b>051030</b>	10	
			0,8 (M)	<b>064640</b>	10	
			1 (M)	<b>026580</b>	10	
			10 (M) <sup>5)</sup>	<b>019310</b>	10	
			2 (F)	<b>019270</b>	10	
			4 (F)	<b>019280</b>	10	
6,3 (F)	<b>019290</b>	10				
			(M) = Med. time lag, (F) = Fast			
<b>Fuse inserts 1 1/4" x 1/4" to DEF 63/Size 0 without indicator</b>						
SAKS 3 <sup>2)</sup> SAKS 6	33 kA short circuit rating fast speed	440	E 0,5 A	0,5	<b>053380</b>	10
			E 1 A	1	<b>052550</b>	10
			E 2 A	2	<b>029450</b>	10
			E 3 A	3	<b>029570</b>	10
			E 5 A	5	<b>029460</b>	10
			E 7 A	7	<b>029580</b>	10
			E 10 A	10	<b>029390</b>	10
<b>D-fuse inserts E 16 with indicator to DIN 49360 (Diazed)</b>						
SAKS 2	VOLLESC 100 A	500	E 10 A	10	<b>020850</b>	25
			E 16 A	16	<b>020860</b>	25
			E 20 A	20	<b>020870</b>	25
			E 25 A	25	<b>020880</b>	25
<b>D-fuse inserts E 14 Size D 01 and E 18 Size D 02 with indicator to DIN 49522 (Neozed)<sup>3)</sup></b>						
SAKS 4 <sup>4)</sup>	LINDNER 1/380 D	380	E 14/2	2	<b>013740</b>	10
			E 14/4	4	<b>013750</b>	10
			E 14/6	6	<b>032830</b>	10
			E 14/10	10	<b>032840</b>	10
			E 14/16	16	<b>032850</b>	10
SAKS 5	LINDNER LOESENSCHUTZ NEOZED 20 A	380	E 18/20	20	<b>036130</b>	10
			E 18/25	25	<b>036140</b>	10
			E 18/35	35	<b>036150</b>	10
			E 18/50	50	<b>036160</b>	10
			E 18/63	63	<b>036170</b>	10

- Note:**
- <sup>1)</sup> The SIBA company also supplies 5 x 25 G fuse inserts with indicators in a shipbuilding model for 450 V AC.
  - <sup>2)</sup> 5 x 30 (500 V-) fuse inserts for SAKS 3 are available from the WICKMANN company.
  - <sup>3)</sup> The LINDNER company also supplies Neozed fuse cartridges in an additional shipbuilding model for 440 V AC.
  - <sup>4)</sup> Fuse cartridges with the dimensions 1"x1/4" ≈ 25.4x6.35 mm and 13/32"x1 1/2" ≈ 10.3x38.1 mm are not included in product line.
  - <sup>5)</sup> Only for SAKS 1 and SAKS 7.

### Gauge rings

for terminal type

SAKS 4 und 4/35



Gauge ring type	Amp.	Colour	Cat. No.	Qty.
P 14/2	2	Pink	<b>013800</b>	50
P 14/4	4	Brown	<b>013810</b>	50
P 14/6	6	Green	<b>032860</b>	50
P 14/10	10	Red	<b>032870</b>	50
<hr/>				
P 18/20	20	Blue	<b>036180</b>	50
P 18/25	25	Yellow	<b>036190</b>	50
P 18/35	35	Black	<b>036200</b>	50
P 18/50	50	White	<b>036210</b>	50
<hr/>				
P 16/10	10	Red	<b>020890</b>	100
P 16/16	16	Grey	<b>020900</b>	100
P 16/20	20	Blue	<b>020910</b>	100

SAKS 5 und 5/35



SAKS 2 und 2/35





Pressure connectors

SV 2

SV 3

Test disconnect terminal blocks



Dimensions

Width / length / height (mm)

with TS 32

20/72/34,5

20/72/51,5

Technical data

Permissible pressure

Tube 6 x 1 mm  
(internal 4 mm)  
10 at = 9.81 bar

Tube 6 x 1 mm  
(internal 4 mm)  
10 at = 9.81 bar

Ordering data

Version  
PA

Cat. No. Qty.  
**021746** 20

Cat. No. Qty.  
**028056** 20

Sealing cap



Type Cat. No. Qty.  
KA **029236** 200

Type Cat. No. Qty.  
KA **029236** 200

Elbow



Type Cat. No. Qty.  
WK **029556** 50

Type Cat. No. Qty.  
WK **029556** 50

Dimensions

Width / length / height (mm)

with TS 32

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2...5-pole A  
Continuous current rating of cross-connection 6...10-pole A

UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

Ordering data

Type  
KrG  
PA  
Without diode PA  
With diode PA  
Blue PA  
Orange PA  
with 2 StB<sup>5</sup> KrG  
with 2 StB<sup>5</sup> PA  
with 2 StB<sup>5</sup> Without diode PA  
with 2 StB<sup>5</sup> Blue

End plate (thickness mm)

KrG  
PA  
blue PA

Partition (thickness mm)



Cross-connection

2-pole  
3-pole  
4-pole  
25-pole

QB 4

Screwdriver for StB

Size: 0,8 x 4



Diode plug (Spare)



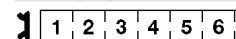
Test plug



Diodenstecker (Spare)

Without diode  
With diode 1N4007  
With diode 1N4007

Marking tags



Consecutive horizontal  
vertical Printed

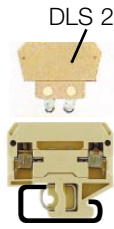
See section 3 for mounting rails and end brackets

See section 3 for mounting rails and end brackets

**SAKR**



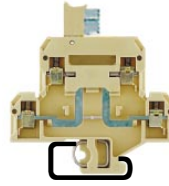
**SAKR-D**



**DKT 4**



**DKT 4 V**



**ASK 1**



SAKR	SAKR-D	DKT 4	DKT 4 V	ASK 1
6.5/42/40.5/54.5 (open) 8 mm/M 3/3,5 x 0,6	6,5/42/40,5/57 (with DLS 2) 8 mm/M 3/3,5 x 0,6	6/65/56,5/70 (open) 9 mm/M 3/3,5 x 0,6	6/65/56,5/70 (open) 9 mm/M 3/3,5 x 0,6	8/58/49 9 mm/M 3/3,5 x 0,6
400 V <sup>6)</sup> /10 A/4 mm <sup>2</sup> 6 kV/3	400 V/10 A/4 mm <sup>2</sup> 6 kV/3	400V/10 A/4 mm <sup>2</sup> 6 kV/3	400 V/10 A/4 mm <sup>2</sup> 6 kV/3	500 V/19 A/4 mm <sup>2</sup> 6 kV/3
0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0 2
0,5...4 1,5...4 0,5...4 0,5...2,5 A 3	0,5...4 1,5...4 0,5...4 0,5...2,5 A 3	0,5...4 1,5...4 0,5...7 0,5...2,5 A 3	0,5...4 1,5...4 0,5...7 0,5...2,5 A 3	0,5...4 1,5...4 0,5...4 0,5...2,5 A 3
(QB 2...25) 10	(QB 2...25) 10	(QB 2...4) 10	(QB 2...4) 10	(QB 2...4) 10
300 V/10 A/26...12 AWG 300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG 300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG 300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG 300 V/10 A/26...12 AWG	300 V/15 A/12 max. AWG 300 V/6,3 A/26...12 AWG
Cat. No. Qty. <b>041212</b> 100 <b>041216</b> 100	Cat. No. Qty. <b>041296<sup>1)</sup></b> 100 <b>041306<sup>2)</sup></b> 50 <b>026366<sup>3)</sup></b> 50	Cat. No. Qty. <b>068736</b> 50	Cat. No. Qty. <b>130486</b> 50	Cat. No. Qty. <b>045636</b> 100
<b>041218</b> 100 <b>146196</b> 100 <b>041222</b> 100 <b>041226</b> 100	<b>054646<sup>1)</sup></b> 100 <b>041316<sup>2)</sup></b> 50	<b>032786</b> 50	<b>130486</b> 50	<b>010526</b> 100
<b>041228</b> 100				
Type Cat. No. Qty. AP (1.5) <b>021132</b> 20 AP (1.5) <b>021136</b> 20 AP (1.5) <b>021138</b> 20	Type Cat. No. Qty. AP (1,5) <b>021136</b> 20	Type Cat. No. Qty. AP (1,5) <b>068756</b> 20	Type Cat. No. Qty. AP (1,5) <b>068756</b> 20	Type Cat. No. Qty. AP (1,5) <b>038036</b> 20
TW HP (1,0) <b>029710</b> 20	TW HP (1,0) <b>029710</b> 20	TW HP (2,0) <b>060700</b> 20	TW HP (2,0) <b>060700</b> 20	TW HP (2,0) <b>060700</b> 20
QB 2 <sup>4)</sup> <b>048270</b> 100 QB 3 <sup>4)</sup> <b>048280</b> 50 QB 4 <sup>4)</sup> <b>048290</b> 50 QB 25 blank <sup>4)</sup> <b>013400</b> 20	QB 2 <sup>4)</sup> <b>048270</b> 100 QB 3 <sup>4)</sup> <b>048280</b> 50 QB 4 <sup>4)</sup> <b>048290</b> 50 QB 25 blank <sup>4)</sup> <b>013400</b> 20	QB 2 <sup>4)</sup> <b>048270</b> 100 QB 3 <sup>4)</sup> <b>048280</b> 50 QB 4 <sup>4)</sup> <b>048290</b> 50	QB 2 <sup>4)</sup> <b>048270</b> 100 QB 3 <sup>4)</sup> <b>048280</b> 50 QB 4 <sup>4)</sup> <b>048290</b> 50	QB 2 <sup>4)</sup> <b>046110</b> 100 QB 3 <sup>4)</sup> <b>046120</b> 50 QB 4 <sup>4)</sup> <b>046130</b> 50 3-pole ganging with SchS 2 marking tag carrier (Cat. No. <b>033740</b> )
	SDIK <b>902494</b> -			Contact sleeve <b>055330</b> 100
PS 2.3 <b>018040</b> 20	PS 2.3 <b>018040</b> 20	PS 2.3 <b>018040</b> 20	PS 2.3 <b>018040</b> 20	
	DLS 2 <b>032106</b> 50 DLS 2 +D+ <b>063016</b> 50 DLS 2 -K+ <b>054776</b> 50			
FW 6.5 <b>046816</b> - FS 6.5 <b>046826</b> -	FW 6.5 <b>046816</b> - FS 6.5 <b>046826</b> -	FW 6 <b>046866</b> - FS 6 <b>046876</b> -	FW 6 <b>046866</b> - FS 6 <b>046876</b> -	FW 5 <b>047346</b> - FS 5 <b>047356</b> -

1) Without DLS  
2) With DLS empty  
3) With DLS 1N4007

4) Rated cross-section is reduced to max. 2.5 mm<sup>2</sup> when QB is used

5) With DKT 4 only in upper terminal level  
6) As disconnect terminal rated voltage 250 V

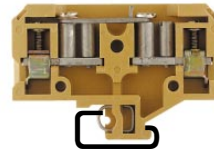
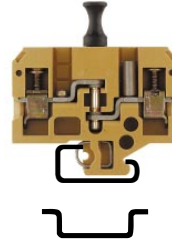
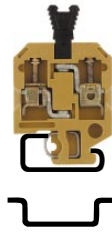
## Disconnect terminals

### SAKC 4 SAKC 4/35

### SAKC 10 SAKC 10/35

### SAKA 10

### SAKB 10



#### Dimensions

Width / length / height (mm)	with TS 32
Width / length / height (mm)	with TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	

#### Rated data

Rated voltage / current / cross-section	
Rated impulse voltage VDE 0110/1.89/Pollution severity	

#### Further technical data

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>
stranded H07V-R	mm <sup>2</sup>
flexible H07V-K	mm <sup>2</sup>
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>
Plug gauge according to 947-1	Size
Continuous current of terminal block for conductor size	

Continuous current rating of cross-connection 2...5-pole	A
Continuous current rating of cross-connection 6...10-pole	A

#### UL / CSA rated data

Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

#### Ordering data

Type	KrG	KrS	KrS
With 2 StB			
With 1 StB			
With 2 StB			

6,5/40/51,5/67
6,5/49,5/42,5/59,5
12 mm/M 3/3,5 x 0,6

400 V/25 A/4 mm <sup>2</sup>
6 kV/3

0,5...1,0/0,5 StB
2/1

0,5...6
1,5...4
0,5...4
0,5...4
A 4

(QB 2...25) 10
----------------

300 V/-/22...12 AWG
300 V/25 A/22...10 AWG

Type	KrG	KrS	KrS
Qty.	100	100	100
Qty.	100	100	100
Qty.	100	100	100

12/65/52,5/70,5
12/65/66
12 mm/M 4/5,5 x 1,0

500 V/27 A/10 mm <sup>2</sup>
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47
(QL 6...10) 36

300 V/25 A/22...8 AWG
600 V/25 A/20...10 AWG

Type	KrG	KrS	KrS
Qty.	50	50	50
Qty.	50	50	50
Qty.	50	50	50

12/82/55,5
12 mm/M 4/5,5 x 1,0

500 V/47 A/10 mm <sup>2</sup>
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47
(QL 6...10) 36

600 V/-/18...8 AWG
600 V/35 A/18...8 AWG

Type	KrG	KrS	KrS
Qty.	25	25	25
Qty.	25	25	25
Qty.	25	25	25

10/65/52,5
12 mm/M 4/5,5 x 1,0

500 V/63 A/10 mm <sup>2</sup>
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47
(QL 6...10) 36

600 V/-/18...8 AWG
600 V/45 A/18...8 AWG

Type	KrG	KrS	KrS
Qty.	40	40	40
Qty.	40	40	40
Qty.	40	40	40

#### End plate (thickness mm)

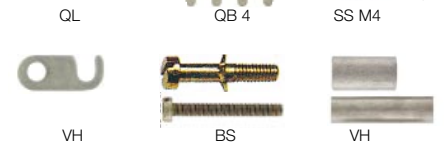
Type	KrG	KrS	PA
AP (1,5)	011792	20	

#### Partition (thickness mm)

Type	KrG	KrS	PA	HP
TW (1,5)	013016	20		
TW (1,0)	029710**	20		

#### Cross-connection

1-pole	QB 2 <sup>1)</sup>	048270	100
3-pole	QB 3 <sup>1)</sup>	048280	50
4-pole	QB 4 <sup>1)</sup>	048290	50
10-pole			
25-pole	QB 25 blank <sup>1)</sup>	013400	20



#### Dummy plug

BST 4 green	133905	500
BST 4 red	133906	500
BST 4 blue	133908	500

#### Test plug/Socket

PS 4	PS 2.3	018040	20
StB	StB 13.5	013520	50
StB	StB 16	014020	50

#### Disconnecter plug (spare)

TST 4	138060	20
TST 10	046270	20

#### Extraction tool

ZI WE	062306	10
-------	--------	----

#### Marking tags

Print	Consecutive horizontal	Printed
FW 6.5	046816	-
FS 6.5	046826	-

For further accessories see section 3, further marking material see section 8

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

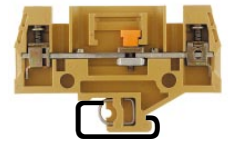
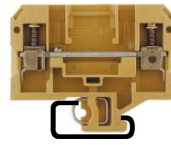
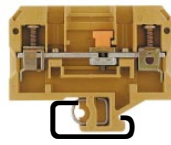
**Test disconnect terminal blocks**

**SAKT 1/LT**


**SAKT 1/DU 1**

**SAKT 1/QT 1**

**SAKT 2/LT**



**Dimensions**

Width / length / height (mm)	with TS 32 	8/65/52,5	8/65/52,5	8/65/52,5	8/82/52,5
Insulation stripping length/clamping screw/screwdriver blade		12 mm/M 3,5/4,0 x 0,8	12 mm/M 3,5/4,0 x 0,8	12 mm/M 3,5/4,0 x 0,8	12 mm/M 3,5/4,0 x 0,8

**Rated data**

Rated voltage / current / cross-section		400 V/27 A/6 mm <sup>2</sup>	400 V/27 A/6 mm <sup>2</sup>	400 V/27 A/6 mm <sup>2</sup>	400 V/27 A/6 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3

**Further technical data**

Tightening torque range	Nm	0,8...1,6	0,8...1,6	0,8...1,6	0,8...1,6
Torque setting with DMS 2 electric screwdriver		3	3	3	3

**Clampable conductor**





solid H07V-U	mm <sup>2</sup>	0,5...10	0,5...10	0,5...10	0,5...10
stranded H07V-R	mm <sup>2</sup>	1,5...10	1,5...10	1,5...10	1,5...10
flexible H07V-K	mm <sup>2</sup>	0,5...6	0,5...6	0,5...6	0,5...6
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...8	0,5...8	0,5...6	0,5...6
Plug gauge according to 947-1	Size	A 5	A 5	A 5	A 5

Continuous current of terminal block for conductor size					
Continuous current rating of cross-connection 2...5-pole	A	(QL 2...5) 47	(QL 2...5) 47	(QL 2...5)	(QL 2...5) 47
Continuous current rating of cross-connection 6...10-pole	A	(QL 6...10) 36	(QL 6...10) 36	(QL 6...10)	(QL 6...10) 36

**UL / CSA rated data**

Voltage / current / conductor size	UL	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG
Voltage / current / conductor size	CSA	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG	300 V/25 A/26...8 AWG










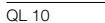
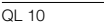
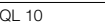

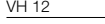
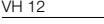
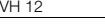




































**Ordering data**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
Closed back wall KrG		<b>026912</b>	50		<b>055042</b>	50		<b>049482</b>	50		<b>044542</b>	50
Open back wall KrG				<b>019562</b>	50		<b>026932</b>	50			<b>043772</b>	50
4 StB 14 KrG 60 V*												
1 StB 2 KrG												
1 StB 2.3 KrG												
2 StB 14 KrG		<b>043792</b>	50								<b>033062</b>	50
2 StB 2.3 KrG												
PA												
2 StB PA												

















**End plate/partition/small partition (thickness mm)**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
KrG	AP (3,0)	<b>014672</b>	20	AP (3,0)	<b>014672</b>	20	AP (3,0)	<b>014672</b>	20	AP (2,5)	<b>032912</b>	20
KrG	TW (3,0)	<b>024292</b>	20	TW (3,0)	<b>024292</b>	20	TW (3,0)	<b>024292</b>	20	TW (2,5)	<b>035182</b>	20
PA	AP (1,5)	<b>014676</b>	20	AP (1,5)	<b>014676</b>	20	AP (1,5)	<b>014676</b>	20			
PA	TW (1,5)	<b>024296</b>	20	TW (1,5)	<b>024296</b>	20	TW (1,5)	<b>024296</b>	20			
HP	TW (0,5)	<b>047470</b>	20	TW (0,5)	<b>047470</b>	20	TW (0,5)	<b>047470</b>	20			
TSch 2	TSch 2	<b>035366</b>	100	TSch 2	<b>035366</b>	100	TSch 2	<b>035366</b>	100	TSch 2	<b>035366</b>	100
										TSch 2 Orange	<b>013246</b>	100

**Cross-connection**

	QL 2	<b>019430</b>	50		<b>019430</b>	50		<b>019430</b>	50		<b>019430</b>	50
	QL 3	<b>019440</b>	50		<b>019440</b>	50		<b>019440</b>	50		<b>019440</b>	50
	QL 4	<b>019450</b>	50		<b>019450</b>	50		<b>019450</b>	50		<b>019450</b>	50
	QL 10	<b>033830</b>	20		<b>033830</b>	20		<b>033830</b>	20		<b>033830</b>	20
	VH 12	<b>024900</b>	100		<b>024900</b>	100		<b>024900</b>	100		<b>024900</b>	100
	VH 19	<b>037710</b>	100		<b>037710</b>	100		<b>037710</b>	100		<b>037710</b>	100
	QSK 2	<b>027096</b>	20		<b>027096</b>	20		<b>027096</b>	20		<b>027096</b>	20
	QSK 2	<b>167036</b>	20		<b>167036</b>	20		<b>167036</b>	20		<b>167036</b>	20
	QVS 3	<b>032930</b>	20		<b>032930</b>	20		<b>032930</b>	20		<b>032930</b>	20
	QVS 3	<b>032930</b>	20		<b>032930</b>	20		<b>032930</b>	20		<b>032930</b>	20
	QVS 4	<b>030740</b>	20		<b>030740</b>	20		<b>030740</b>	20		<b>030740</b>	20
	VH 19	<b>031800</b>	50		<b>031800</b>	50		<b>031800</b>	50		<b>031800</b>	50
	BS 25 blank	<b>033470</b>	50		<b>033470</b>	50		<b>033470</b>	50		<b>033470</b>	50

**Switchable cross-connection link**

	QB 2	<b>020570</b>	50		<b>020570</b>	50		<b>020570</b>	50		<b>020570</b>	50
	QB 3	<b>020580</b>	50		<b>020580</b>	50		<b>020580</b>	50		<b>020580</b>	50
	QB 4	<b>020590</b>	50		<b>020590</b>	50		<b>020590</b>	50		<b>020590</b>	50
	QB 10	<b>034380</b>	20		<b>034380</b>	20		<b>034380</b>	20		<b>034380</b>	20

**Disconnect link**

	SSP 3	<b>053176</b>	100		<b>053176</b>	100		<b>053176</b>	100		<b>053176</b>	100
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**Marking tags**

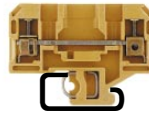
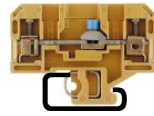
Print	Consecutive horizontal	Consecutive vertical										
	FW 6.5	<b>046816</b>	-	FW 6.5	<b>046816</b>	-	FW 6.5	<b>046816</b>	-	FW 6.5	<b>046816</b>	-
	FS 6.5	<b>046826</b>	-	FS 6.5	<b>046826</b>	-	FS 6.5	<b>046826</b>	-	FS 6.5	<b>046826</b>	-

For further accessories see section 3, further marking material see section 8

**Test disconnect terminal blocks**

**SAKT 4/LT**

**SAKT 4/DU**



**Dimensions**

Width / length / height (mm) with TS 32    
 Insulation stripping length/clamping screw/screwdriver blade

6/57,5/42,5	6/57,5/42,5
10 mm/M 2,5/4,0 x 0,8	10 mm/M 2,5/4,0 x 0,8

**Rated data**

Rated voltage / current / cross-section	400 V/27 A/4 mm <sup>2</sup>	400 V/27 A/4 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3	6 kV/3

**Further technical data**

Tightening torque range	Nm 0,4...0,7	0,4...0,7
Torque setting with DMS 2 electric screwdriver	1	1

**Clampable conductor**

solid H07V-U	mm <sup>2</sup> 0,5...6	0,5...6
stranded H07V-R	mm <sup>2</sup> 1,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup> 0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup> 0,5...4	0,5...4
Plug gauge according to 947-1	Size A 3	A 3
Continuous current of terminal block for conductor size		
Continuous current rating of cross-connection 2...5-pole	A (Q 2...10) 27	(Q 2...10) 27
Continuous current rating of cross-connection 6...10-pole	A	

**UL / CSA rated data**

Voltage / current / conductor size	UL 300 V/20 A/22...12 AWG	300 V/20 A/22...12 AWG
Voltage / current / conductor size	CSA 300 V/-/26...10 AWG	300 V/-/26...10 AWG

**Ordering data**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Closed back wall KrG	<b>025412</b>	50		<b>024632</b>	50
Open back wall KrG					
4 StB 14 KrG 60 V*					
1 StB 2 KrG	StB left <b>025422</b>	50			
1 StB 2.3 KrG	StB left <b>025432</b>	50	StB left	<b>024652</b>	50
2 StB 14 KrG	StB ø 2,0 <b>031032</b>	50	StB ø 2,0	<b>024662</b>	50
2 StB 2.3 KrG	<b>025442</b>	50			
PA					
2 StB PA					

**End plate / partition/Small partition (thickness mm)**

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG	AP (1,5) <b>024492</b>	20	AP (1,5)	<b>024492</b>	20
KrG					
PA					
PA					
HP	TW (0,5) <b>047470</b>	20	TW (0,5)	<b>047470</b>	20
	TSch 2 <b>035366</b>	100	TSch 2	<b>035366</b>	100

**Cross-connection**

QL 2	QL 2 <b>015590</b>	100	QL 2	<b>015590</b>	100
QL 3	QL 3 <b>015600</b>	100	QL 3	<b>015600</b>	100
QL 4	QL 4 <b>015610</b>	50	QL 4	<b>015610</b>	50
VH 12	QL 10 <b>033810</b>	20	QL 10	<b>033810</b>	20
	VH 8 <b>026670</b>	100	VH 8	<b>026670</b>	100
VH 19	BS M 3x15 Cu <b>037720</b>	100	BS M 3x15 Cu	<b>037720</b>	100
BS 25 blank	QVS 2 <b>131926</b>	20	QVS 2	<b>131926</b>	20
QS 2					
	VH 16 <b>030970</b>	50	VH 16	<b>030970</b>	50
	BS M 3 x 22 <b>131990</b>	50	BS M 3 x 22	<b>131990</b>	50

**Switchable cross-connection link**


**Disconnect lock**

SSP 4	<b>131936</b>	20	SSP 4	<b>131936</b>	20
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**Marking tags**

Print	Consecutive horizontal	Consecutive vertical
	FW 6.5 <b>046816</b>	FS 6.5 <b>046826</b>

For further accessories see section 3, further marking material see section 8

## Feed-through terminals with tab connection

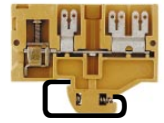
## Disconnect terminals with tab connection

### AST 1

### AST 3

### AST 4

### AST 5



#### Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6,5/58/53,5	6,5/40/47,5	6,5/40/47,5	6,5/58/53,5
		9 mm/M 2,5/3,5 x 0,6	12 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup> 6 kV/3	500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup> 6 kV/3	500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup> 6 kV/3	500 V <sup>1)</sup> / - /2,5/1,0 mm <sup>2</sup> 6 kV/3
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#### Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

		0,4...0,7 1	0,5...1,0 2
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#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

		0,5...4 1,5...2,5 0,5...2,5 0,5...2,5 A 3	0,5...6 1,5...2,5 0,5...4 0,5...4 A 4
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Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36
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#### UL / CSA rated data

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

300 V/13 A/- 300 V/16 A/-	300 V/13 A/- 300 V/16 A/-	300 V/13 A/22...12 AWG 300 V/16 A/24...12 AWG	300 V/13 A/22...12 AWG 300 V/16 A/24...12 AWG
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#### Ordering data

**Version**  
Slotted KrG  
Blue, slotted KrG  
Slotted PA  
Unslotted KrG  
Blue, unslotted KrG  
Unslotted PA  
Block of 10, slotted with marking 1-9 PA

Cr	Cat. No.	Qty.	Cr	Cat. No.	Qty.	Cr	Cat. No.	Qty.	Cr	Cat. No.	Qty.
	<b>047822</b>	50		<b>044242</b>	100		<b>043912</b>	100		<b>047922</b>	50
	<b>047826<sup>2)</sup></b>	50		<b>023686<sup>2)</sup></b>	100		<b>023726</b>	100		<b>047926</b>	50
	<b>026632</b>	50		<b>029802</b>	100		<b>032122</b>	100		<b>033452</b>	50
	<b>026636<sup>2)</sup></b>	50		<b>023676<sup>2)</sup></b>	100		<b>023716</b>	100		<b>033456</b>	50

#### End plate/partition/small partition (thickness mm)

KrG  
Blue KrG  
PA  
PA  
HP  
HP  
Only for PA

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP (3,0)	<b>026642</b>	20	AP (3,0)	<b>029812</b>	20	AP (3,0)	<b>029812</b>	20	AP (3,0)	<b>026642</b>	20
PA	<b>026646</b>	20	PA	<b>046056</b>	20	PA	<b>046056</b>	20	PA	<b>026646</b>	20
PA			TW (1,5)	<b>013016</b>	20	TW (1,5)	<b>013016</b>	20	PA		
HP	<b>047470</b>	20	TW (1,0)	<b>029710</b>	20	TW (1,0)	<b>029710</b>	20	HP	<b>047470</b>	20
HP	<b>060700</b>	20	TSch 1	<b>031916</b>	100	TSch 1	<b>031916</b>	100	HP	<b>060700</b>	20
TSch 1	<b>031916</b>	100				TSch 1	<b>031916</b>	100	TSch 1	<b>031916</b>	100

#### Cross-connection

2-pole  
3-pole  
4-pole  
10-pole  
25-pole  
QL  
QB 4  
BS M 3 x 4,5  
BS M 3 x 24

Q 2	<b>033670</b>	50	Q 2	<b>033670</b>	50	Q 2	<b>033670</b>	50	Q 2	<b>033670</b>	50
Q 3	<b>033680</b>	50	Q 3	<b>033680</b>	50	Q 3	<b>033680</b>	50	Q 3	<b>033680</b>	50
Q 4	<b>033690</b>	50	Q 4	<b>033690</b>	50	Q 4	<b>033690</b>	50	Q 4	<b>033690</b>	50
Q 10	<b>036880</b>	20	Q 10	<b>036880</b>	20	Q 10	<b>036880</b>	20	Q 10	<b>036880</b>	20

#### Plug adapter

2-pole  
3-pole  
4-pole  
5-pole  
8-pole  
clips into PA version of AST3 and AST4 only

STA 2.5/2	<b>016586</b>	100	STA 2.5/2	<b>016586</b>	100	STA 2.5/2	<b>016586</b>	100	STA 2.5/2	<b>016586</b>	100
STA 2.5/3	<b>016596</b>	50	STA 2.5/3	<b>016596</b>	50	STA 2.5/3	<b>016596</b>	50	STA 2.5/3	<b>016596</b>	50
STA 2.5/4	<b>019036</b>	50	STA 2.5/4	<b>019036</b>	50	STA 2.5/4	<b>019036</b>	50	STA 2.5/4	<b>019036</b>	50
STA 2.5/5	<b>016606</b>	50	STA 2.5/5	<b>016606</b>	50	STA 2.5/5	<b>016606</b>	50	STA 2.5/5	<b>016606</b>	50
STA 2.5/8	<b>016616</b>	50	STA 2.5/8	<b>016616</b>	50	STA 2.5/8	<b>016616</b>	50	STA 2.5/8	<b>016616</b>	50

#### Test plug/Socket

Plug-test socket without using QL for TS 32

StB 14	<b>016860</b>	50	StB 14	<b>016860</b>	50	StB 14	<b>016860</b>	50	StB 14	<b>016860</b>	50
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PS  
StB

PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
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#### Insulation sleeve

IH 2.8  
IH 6.3

IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100

#### Marking tags

Print  
Consecutive horizontal  
Consecutive vertical

FW 6.5	<b>046816</b>	-	FW 6	<b>046866</b>	-	FW 6	<b>046866</b>	-	FW 6.5	<b>046816</b>	-
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For further accessories see section 3, further marking material see section 8

<sup>1)</sup> with Insulation sleeve  
<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

## Feed-through terminals with tab connection

## Disconnect terminals with tab connection

### SAK 4 S

### SAK 4 SS

### SAKR F



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6,5/40/51,5  
 12 mm/M 3/3,5 x 0,6

6,5/40/51,5

6,5/42/40,5/54,5 (open)  
 8 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section  
 Rated impulse voltage VDE 0110/1.89/Pollution severity

500 V/16 A/2,5/1,0 mm<sup>2</sup>  
 6 kV/3

500 V/16 A/2,5/1,0 mm<sup>2</sup>  
 6 kV/3

250 V/10 A/4/1,0 mm<sup>2</sup>  
 6 kV/3

#### Further technical data

Tightening torque range Nm  
 Torque setting with DMS 2 electric screwdriver

0,5...1,0  
 2

0,5...1,0  
 1

#### Clampable conductor

solid H07V-U mm<sup>2</sup>  
 stranded H07V-R mm<sup>2</sup>  
 flexible H07V-K mm<sup>2</sup>  
 flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
 Plug gauge according to 947-1 Size

0,33...6  
 1,5...4  
 0,5...4  
 0,5...4  
 A 4

0,5...4  
 1,5...4  
 0,5...4  
 0,5...2,5  
 A 3

Continuous current of terminal block for conductor size  
 Continuous current rating of cross-connection 2-pole A  
 Continuous current rating of cross-connection multipole A

(QL 2...10) 36

(QL 2...10) 36

(QB 2...25) 10

#### UL / CSA rated data

Voltage / current / conductor size UL  
 Voltage / current / conductor size CSA

300 V/13 A/26...12 AWG  
 300 V/13 A/26...12 AWG


300 V/13 A/18...14 AWG  
 300 V/13 A/18...14 AWG


300 V/15 A/26...10 AWG


#### Ordering data

##### Version

 Slotted KrG  
 Blue, slotted KrG  
 Slotted PA  
 Unslotted KrG  
 Blue, unslotted KrG  
 Unslotted PA

Version	Cat. No.	Qty.
	040122	100
Slotted PA	040126	100
Unslotted KrG	047952	100

Version	Cat. No.	Qty.
	047962	100
Slotted PA	047967	100
Unslotted KrG	047966	100
Blue, unslotted KrG	035292	100
Unslotted PA	035297	100

Version	Cat. No.	Qty.
	066366	100
with 1 StB 6		

Block of 10, slotted with marking 1-9 PA

#### End plate/partition/small partition (thickness mm)



 AP  
 TW  
 TSch 1  
 KrG  
 blue KrG  
 PA  
 PA  
 HP  
 TW (1,0)  
 HP  
 Only for PA

Type	Cat. No.	Qty.
AP (1,5)	011792	20
PA	011796	20
PA	013016	20
HP	029710	20

Type	Cat. No.	Qty.
AP (1,5)	011792	20
AP (1,5)	011797	20
AP (1,5)	011796	20
TW (1,5)	013016	20
TW (1,0)	029710	20

Type	Cat. No.	Qty.
AP (1,5)	021136	20
TW (1,0)	029710	20

#### Cross-connection


 QL  
 QB 4  
 2-pole  
 3-pole  
 4-pole  
 10-pole  
 25-pole  
 BS M 3x4,5  
 BS M 3 x 24

Type	Cat. No.	Qty.
QL 2	013060	100
QL 3	013070	100
QL 4	013080	50
QL 10	033820	20
BS M 3x4,5	159321	100

Type	Cat. No.	Qty.
QL 2	013060	100
QL 3	013070	100
QL 4	013080	50
QL 10	033820	20
BS M 3x4,5	159321	100

Type	Cat. No.	Qty.
QB 2*	048270	100
QB 3*	048280	50
QB 4*	048290	50
QB 25 blank*	013400	20

#### Plug adapter

  
 clips into PA version of AST3 and AST4 only  
 2-pole  
 3-pole  
 4-pole  
 5-pole  
 8-pole

#### Test plug/Socket

Plug-test socket without using QL for TS 32

 PS  
 StB

#### Insulation sleeve

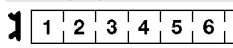
  
 IH 2.8  
 IH 6.3

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
PS 2.3	018040	20

#### Marking tags

  
 Consecutive horizontal  
 Consecutive vertical

Type	Cat. No.	Qty.
FW 6.5	046816	-

Type	Cat. No.	Qty.
FW 6.5	046816	-

Type	Cat. No.	Qty.
FW 6.5	046816	-

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> With insulation sleeve

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

# Feed-through terminals with tab connection

## DK 4 S

## DK 4 S 2,8 only



### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6/54/59,5	6/54/59,5
9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6

### Rated data

Rated voltage / current / cross-section	400 V/2 x 10/4/1,0 mm <sup>2</sup>	400 V/2 x 10/4/2,5/1,0 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3	6 kV/3

### Further technical data

Tightening torque range	Nm	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver		2	2



### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...4
stranded H07V-R	mm <sup>2</sup>	1,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	0,5...4
Plug gauge according to 947-1	Size	A 3	A 3

Continuous current of terminal block for conductor size			
Continuous current rating of cross-connection 2-pole	A	(QL 2...10) 20	(QL 2...10) 20
Continuous current rating of cross-connection multipole	A		

### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG

Ordering data	Version	Cat. No.	Qty.	Cat. No.	Qty.		
	PA		<b>063126</b>	100		<b>063116</b>	100

### End plate (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP (1,5)	<b>063136</b>	20	AP (1,5)	<b>063136</b>	20

### Partition

TW HP (2,0)	<b>060700</b>	20	TW HP (2,0)	<b>060700</b>	20
-------------	---------------	----	-------------	---------------	----

### Small partition

TSch 6	<b>019026</b>	100	TSch 6	<b>019026</b>	100
--------	---------------	-----	--------	---------------	-----

### Cross-connection

2-pole	Q 2	<b>033640</b>	50	Q 2	<b>033640</b>	50
3-pole	Q 3	<b>033650</b>	50	Q 3	<b>033650</b>	50
4-pole	Q 4	<b>033660</b>	50	Q 4	<b>033660</b>	50
10-pole	Q 10	<b>036860</b>	20	Q 10	<b>036860</b>	20

### Test plug/Socket

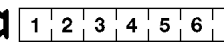
Plug-test socket without using QL	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50
Plug-test socket for use with QL						

PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
--------	---------------	----	--------	---------------	----

### Insulation sleeve

IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
IH 6.3	<b>038626</b>	100			

### Marking tags

Print	Consecutive horizontal	Cat. No.	Consecutive vertical	Cat. No.
	FW 6	<b>046866</b>	FW 6	<b>046866</b>

For further accessories see section 3, further marking material see section 8

) with Insulation sleeve

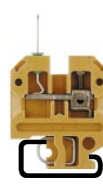
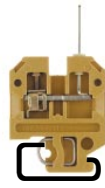


**Feed-through terminals  
for wrap termination DIN 41 611, Part 2  
and  
for spring clip termination DIN 41 611,  
Part 4**

**SAK 2.5 T**  
Pin 1 x 1

**SAK 2.5 T**  
Pin 0,8 x 1,6

**SAK 2.5 T**  
Pin 0,8 x 2,4



**Dimensions**

Width / length / height (mm) with TS 32   
Insulation stripping length/clamping screw/screwdriver blade

6/36,5/47,5/67  
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/62  
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/69  
12 mm/M 2,5/3,5 x 0,6

**Rated data**

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

250 V/8 A/2,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/2,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/2,5 mm<sup>2</sup>  
4 kV/3

**Further technical data**

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

0,4...0,7  
1

0,4...0,7  
1

0,4...0,7  
1

**Clampable conductor**

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size  
Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

0,5...6  
0,5...2,5  
0,5...4  
0,5...2,5  
A 3  
(Q 2...10) 27

**UL / CSA rated data**







Voltage / current / conductor size UL  
Voltage / current / conductor size CSA







300 V/10 A/22...12 AWG







300 V/10 A/22...12 AWG







300 V/10 A/22...12 AWG

**Ordering information**

Pin	Version	Cr	Cat. No.	Qty.
Right	KrG		<b>010852</b>	100
Horizontal left	KrG			
Horizontal right	KrG			
Vertical left	KrG			
Vertical right	KrG			
2x vertical	KrG			
right	PA		<b>010856<sup>1)</sup></b>	100

Cr	Cat. No.	Qty.
	<b>010852</b>	100
		
		
		
		
		
	<b>010856<sup>1)</sup></b>	100

Cr	Cat. No.	Qty.
	<b>051842</b>	100
	<b>048592</b>	100
	<b>047882</b>	100
	<b>069362</b>	100
		
		

Cr	Cat. No.	Qty.
	<b>068702</b>	100
	<b>037102</b>	100
		
		
		
	<b>048502</b>	100

**End plate (thickness mm)**

Type	Cr	Cat. No.	Qty.
KrG	AP (1,5)	<b>027952</b>	20
PA	AP (1,5)	<b>027956</b>	20

Type	Cr	Cat. No.	Qty.
KrG	AP (1,5)	<b>027952</b>	20
PA	AP (1,5)	<b>027956</b>	20

Type	Cr	Cat. No.	Qty.
KrG	AP (1,5)	<b>027952</b>	20
PA	AP (1,5)	<b>027956</b>	20

Type	Cr	Cat. No.	Qty.
KrG	AP (1,5)	<b>027952</b>	20
PA	AP (1,5)	<b>027956</b>	20

**Partition (thickness mm)**

Type	Cr	Cat. No.	Qty.
KrG	TW (2,5)	<b>030282</b>	20
PA	TW (1,5)	<b>030286</b>	20
HP	TW (0,5)	<b>019710</b>	20
HP	TW (2,0)	<b>060700</b>	20

Type	Cr	Cat. No.	Qty.
KrG	TW (2,5)	<b>030282</b>	20
PA	TW (1,5)	<b>030286</b>	20
HP	TW (0,5)	<b>019710</b>	20
HP	TW (2,0)	<b>060700</b>	20

Type	Cr	Cat. No.	Qty.
KrG	TW (2,5)	<b>030282</b>	20
PA	TW (1,5)	<b>030286</b>	20
HP	TW (0,5)	<b>019710</b>	20
HP	TW (2,0)	<b>060700</b>	20

Type	Cr	Cat. No.	Qty.
KrG	TW (2,5)	<b>030282</b>	20
PA	TW (1,5)	<b>030286</b>	20
HP	TW (0,5)	<b>019710</b>	20
HP	TW (2,0)	<b>060700</b>	20

**Small partition**

Type	Cr	Cat. No.	Qty.
KrG	TSch 1	<b>031916</b>	100

Type	Cr	Cat. No.	Qty.
KrG	TSch 1	<b>031916</b>	100

Type	Cr	Cat. No.	Qty.
KrG	TSch 1	<b>031916</b>	100

Type	Cr	Cat. No.	Qty.
KrG	TSch 1	<b>031916</b>	100

**Cross-connection**

Type	Cr	Cat. No.	Qty.
2-pole	Q 2	<b>033700</b>	50
3-pole	Q 3	<b>033710</b>	50
4-pole	Q 4	<b>033720</b>	50
10-pole	Q 10	<b>036870</b>	20

Type	Cr	Cat. No.	Qty.
2-pole	Q 2	<b>033700</b>	50
3-pole	Q 3	<b>033710</b>	50
4-pole	Q 4	<b>033720</b>	50
10-pole	Q 10	<b>036870</b>	20

Type	Cr	Cat. No.	Qty.
2-pole	Q 2	<b>033700</b>	50
3-pole	Q 3	<b>033710</b>	50
4-pole	Q 4	<b>033720</b>	50
10-pole	Q 10	<b>036870</b>	20

Type	Cr	Cat. No.	Qty.
2-pole	Q 2**	<b>033700</b>	50
3-pole	Q 3**	<b>033710</b>	50
4-pole	Q 4**	<b>033720</b>	50
10-pole	Q 10**	<b>036870</b>	20

**Test plug/Socket**

Type	Cr	Cat. No.	Qty.
PS	PS 2.3	<b>018040</b>	20
StB	StB 8.5 (ø 2,3)	<b>028060</b>	50

Type	Cr	Cat. No.	Qty.
PS	PS 2.3	<b>018040</b>	20
StB	StB 8.5 (ø 2,3)	<b>028060</b>	50

Type	Cr	Cat. No.	Qty.
PS	PS 2.3	<b>018040</b>	20
StB	StB 8.5 (ø 2,3)	<b>028060</b>	50

Type	Cr	Cat. No.	Qty.
PS	PS 2.3	<b>018040</b>	20
StB	StB 8.5 (ø 2,3)	<b>028060</b>	50

**Marking tags**

Type	Cr	Cat. No.	Qty.
Print	FW 6	<b>046866</b>	-

Type	Cr	Cat. No.	Qty.
Print	FW 6	<b>046866</b>	-

Type	Cr	Cat. No.	Qty.
Print	FW 6	<b>046866</b>	-

Type	Cr	Cat. No.	Qty.
Print	FW 6	<b>046866</b>	-

For further accessories see section 3, further marking material see section 8

<sup>2)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

\*\* not for type 2x vertical

## Feed-through terminals

### Disconnect terminals for wrap connection DIN 41 611, Part 2 and for spring clip connection DIN 41 611, Part 4

DK 4 T

DK 4 T

DK 4 T

SAKRT



#### Dimensions

Width / length / height (mm)	with TS 32	6/50/58,5/75,5	6/50/60,5/77,5	6/50/67,5/84,5	6/42/40,5/54,5
Insulation stripping length/clamping screw/screwdriver blade		9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6	8 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section	250 V/8 A/4 mm <sup>2</sup>	250 V/10 A/4 mm <sup>2</sup>	250 V/10 A/4 mm <sup>2</sup>	250 V/6/8 A/4 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	4 kV/3	4 kV/3	4 kV/3	4 kV/3

#### Further technical data

Tightening torque range	Nm	0,5...1,0	0,5...1,0	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver		1	1	1	2

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...4	0,5...4	0,5...4	0,5...6
stranded H07V-R	mm <sup>2</sup>	1,5...4	1,5...4	1,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...4	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4	0,5...4	0,5...4	0,5...4
Plug gauge according to 947-1	Size	A3	A3	A3	A3

Continuous current of terminal block for conductor size		(Q 2...10) 20	(Q 2...10) 20	(Q 2...10) 20	(QB 2...10) 10
Continuous current rating of cross-connection 2-pole	A				
Continuous current rating of cross-connection multipole	A				

#### UL / CSA rated data

Voltage / current / conductor size	UL	-	-	-	-
Voltage / current / conductor size	CSA	-	-	-	-

#### Ordering information

Pin	Type	Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.
Right	PA	<b>053656</b>	50						
Left	PA								
Horizontal right	PA			<b>037046<sup>1)</sup></b>	50				
Horizontal right	Blue PA			<b>037048<sup>1)</sup></b>	50			Pin 1 x 1	<b>058746</b> 100
Vertical right	PA			<b>037036<sup>1)</sup></b>					
Vertical right	Blue PA					<b>052776<sup>1)</sup></b>	50	Pin 0,8 x 2,4	<b>054506</b> 100
Vertical	PA								
Vertical left	PA			<b>068586<sup>1)</sup></b>	50			Pin 0,8 x 1,6	<b>046936</b> 100
Right	PA			<b>139846<sup>1)</sup></b>	50				
Horizontal right	PA			<b>139856<sup>1)</sup></b>	50				
Vertical right	PA			<b>139866<sup>1)</sup></b>	50				

DK 4 QT bridgeable on both levels

#### End plate / partition (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
PA	AP (1,5)	<b>035926</b>	20	AP (1,5)	<b>035926</b>	20	AP (1,5)	<b>035926</b>	20	AP (1,5)	<b>021136</b>	20
Blue PA	AP (1,5)	<b>035928</b>	20	AP (1,5)	<b>035928</b>	20						
	TW (2,0)	<b>060700</b>	20	TW (2,0)	<b>060700</b>	20	TW (2,0)	<b>060700</b>	20	TW (2,0)	<b>060700</b>	20

#### Small partition

TSch 4	TSch 4	<b>036336</b>	100	TSch 4	<b>036336</b>	100	TSch 4	<b>036336</b>	100
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#### Cross-connection/Covers

	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Q 3	2-pole	Q 2	<b>033640</b>	50	Q 2	<b>033640</b>	50	Q 2	<b>033640</b>	50		
	3-pole	Q 3	<b>033650</b>	50	Q 3	<b>033650</b>	50	Q 3	<b>033650</b>	50		
	4-pole	Q 4	<b>033660</b>	50	Q 4	<b>033660</b>	50	Q 4	<b>033660</b>	50		
	10-pole	Q 10	<b>036860</b>	20	Q 10	<b>036860</b>	20	Q 10	<b>036860</b>	20		
QB 4	QB 2*	<b>048270</b>	100	QB 2*	<b>048270</b>	100	QB 2*	<b>048270</b>	100	QB 2*	<b>048270</b>	100
	QB 3*	<b>048280</b>	50	QB 3*	<b>048280</b>	50	QB 3*	<b>048280</b>	50	QB 3*	<b>048280</b>	50
	QB 4*	<b>048290</b>	50	QB 4*	<b>048290</b>	50	QB 4*	<b>048290</b>	50	QB 4*	<b>048290</b>	50
	25-pole									QB 25 blank*	<b>013400</b>	20

#### Test plug/Socket

Plug-test socket without using QL	StB 8.5 (ø 2,3)	<b>021570</b>	50	StB 8.5 (ø 2,3)	<b>021570</b>	50	StB 8.5 (ø 2,3)	<b>021570</b>	50
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PS	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
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#### Marking tags

Print	Cat. No.	Print	Cat. No.	Print	Cat. No.		
Consecutive horizontal	dekafix 6	<b>046866</b>	-	Consecutive vertical	dekafix 6	<b>046866</b>	-
Consecutive vertical				Consecutive horizontal			

For further accessories see section 3, further marking material see section 8

\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used  
 \*\* Only to be used with PA versions

<sup>1)</sup> Shock-proof with ADP4 cover profile (see page 3/23)

# Rack mounted interface system

# AVR 4/10



## Version

Block\* of 10 plates fitted with pins and an empty plate which acts as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks listed here are coded from 1 to 9. The 10th. plate is free for decade markings.

\* Block length = 72.05 mm

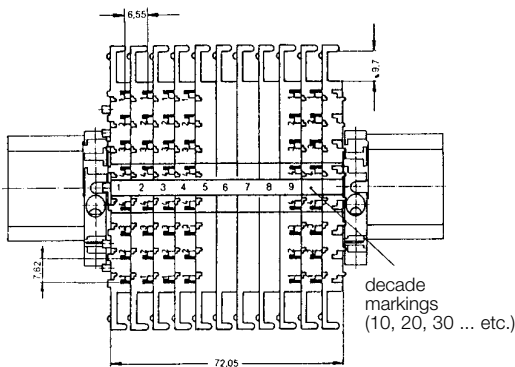
Nominal voltage according to DIN 0110  
Insulation group C

Pin dimensions	Grid dim. in mm	
mm	6.55	7.62
0.6 x 0.6	380 V~	380 V~
1.0 x 1.0	380 V~	380 V~
0.8 x 1.6	380 V~	380 V~
0.8 x 2.4	250 V~	380 V~

## Applications

Interface system for use in 19" cabinets whose doors can only be opened outwards. Primarily decentralised arrangement, i.e. next to electronic modules. The pin arrangement allows operation from the front. The individual conductors with 8 colour codes from stranded cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The block designation is performed by coordinates. Markings 1 to 9 and the decade markings are in the direction of mounting. For the markings 1 to 4 per level, see the diagram below.

Side tabs assign the individual conductors to the respective level.



## Dimensions

Width / length / height (mm) with TS 32 6,55/39/60/86  
Insulation stripping length/clamping screw/screwdriver blade

## Rated data

Rated voltage / current / cross-section 250 V/4/6 A  
Rated impulse voltage VDE 0110/1.89/Pollution severity 4 kV/3

## Further technical data

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

## Clampable conductor

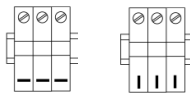
solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size  
Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

## UL / CSA rated data

Voltage / current / conductor size UL -  
Voltage / current / conductor size CSA -

## Ordering data/Pin version (internal)

Vertical 0.8 x 1.6  
Horizontal 0.8 x 1.6  
Vertical 0.8 x 2.4  
Horizontal 0.8 x 2.4  
0.8 x 2.4 on 1 x 1



Horizontal assembly  
Vertical assembly

## Plug adapter

	Cat. No.	Qty.
	<b>046376</b>	8
	<b>046366</b>	8
	<b>046396</b>	8
	<b>046386</b>	8
	<b>049796</b>	8

Additional versions available on request

Type	Cat. No.	Qty.
DSA 1	<b>057606</b>	50

## Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.

**013266**

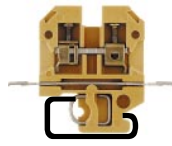
## Feed-through terminals

### Disconnect terminals

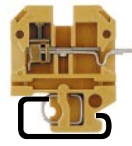
#### with solder connection

## SAK 2.5/M.LS

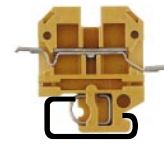
with Screen lug



## SAK 2.5 L




## SAK 2.5 LL



## SAKR L



#### Dimensions

Width / length / height (mm) with TS 32   
 Insulation stripping length/clamping screw/screwdriver blade

6/60/46,5	6/44,5/46,5	6/55/46,5	6,5/50/40,5/54,5 (open)
12 mm/M 2,5/3,5 x 0,6	12 mm/M 2,5/3,5 x 0,6		8 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section	250 V/20 A/2,5/1,5 mm <sup>2</sup>	250 V/20 A/2,5/1,5 mm <sup>2</sup>	250 V/20 A/1,5 mm <sup>2</sup>	250 V/10 A/4/1,5 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	4 kV/3	4 kV/3	4 kV/3	4 kV/3

#### Further technical data

Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,5...1,0
Torque setting with DMS 2 electric screwdriver		1	1	2/1

#### Clampable conductor

solid H07V-U	mm <sup>2</sup>	0,5...6	0,5...6	0,5...4
stranded H07V-R	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...4	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...2,5
Plug gauge according to 947-1	Size	A 3	A 3	A 3

Continuous current of terminal block for conductor size		(Q 2...10) 27	(Q 2...10) 27	(Q 2...10) 27	(QB 2...25) 10
Continuous current rating of cross-connection 2-pole	A				
Continuous current rating of cross-connection multipole	A				

#### UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/22...12 AWG	-	-	300 V/10 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG

#### Ordering data

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG	<b>030912</b>	100	KrG	<b>035142</b>	100	KrG	<b>032362</b>	100			
Blue KrG			Blue KrG	<b>035147</b>	100	Blue KrG	<b>032367</b>	100			
KrS											
PA				<b>035146<sup>1)</sup></b>	100		<b>032366<sup>1)</sup></b>	100		<b>041236</b>	100
Blue PA											
KrG				<b>054412*</b>	100						
KrS				<b>054413*</b>	100						
PA				<b>054416<sup>1)</sup></b>	100					<b>041246*</b>	100
Blue PA										<b>041248*</b>	100

#### End plate / partition (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG	AP (1,5)	<b>030922</b>	20	AP (1,5)	<b>030922</b>	20	AP (1,5)	<b>030922</b>	20		
Blue KrG	AP (1,5)	<b>030927</b>	20	AP (1,5)	<b>030927</b>	20	AP (1,5)	<b>030927</b>	20		
PA				AP (1,5)	<b>027956</b>	20	AP (1,5)	<b>027956</b>	20	AP (1,5)	<b>021136<sup>1)</sup></b>
Blue PA										AP (1,5)	<b>021138</b>
PA	TW (1,5)	<b>030286</b>	20	TW (1,5)	<b>030286</b>	20	TW (1,5)	<b>030286</b>	20		
HP	TW (1,0)	<b>029710</b>	20	TW (1,0)	<b>029710</b>	20	TW (1,0)	<b>029710</b>	20		
HP	TW (2,0)	<b>060700</b>	20	TW (2,0)	<b>060700</b>	20	TW (2,0)	<b>060702</b>	20	TW (2,0)	<b>060700</b>

#### Small partition

TSch 1	<b>031916</b>	100	TSch 1	<b>031916</b>	100	TSch 1	<b>031916</b>	100			
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#### Cross-connection

2-pole	Q 2	<b>033700</b>	50	Q 2	<b>033700</b>	50	Q 2	<b>033700</b>	50	QB 2**	<b>048270</b>	100
3-pole	Q 3	<b>033710</b>	50	Q 3	<b>033710</b>	50	Q 3	<b>033710</b>	50	QB 3**	<b>048280</b>	50
4-pole	Q 4	<b>033720</b>	50	Q 4	<b>033720</b>	50	Q 4	<b>033720</b>	50	QB 4**	<b>048290</b>	50
10-pole	Q 10	<b>036870</b>	20	Q 10	<b>036870</b>	20	Q 10	<b>036870</b>	20			
25-pole										QB 25 blank**	<b>013400</b>	20

#### Test plug/Socket

Plug-test socket without using QL			StB 8.5 (ø 2,3)	<b>028060</b>	50	StB 8.5 (ø 2,3)	<b>028060</b>	50			
Plug-test socket for use with QL			StB 29.5 (ø 4)	<b>013340</b>	50	StB 29.5 (ø 4)	<b>013340</b>	50			
			PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
			PS 4	<b>029960</b>	20	PS 4	<b>029960</b>	20			

#### Cover

AD 4	<b>030340</b>	50	AD 4	<b>030340</b>	50	AD 4	<b>030340</b>	50			
BSK M 3 x 22	<b>012890</b>	100	BSK M 3 x 22	<b>012890</b>	100	BSK M 3 x 22	<b>012890</b>	100			

#### Marking tags

	Print						
	Consecutive horizontal	FW 6	<b>046866</b>	FW 6	<b>046866</b>	FW 6	<b>046866</b>
	Consecutive vertical	FS 6	<b>046876</b>	FS 6	<b>046876</b>	FS 6	<b>046876</b>
							<b>046816</b>
							<b>046826</b>

For further accessories see section 3, further marking material see section 8

\* Solder lug on left

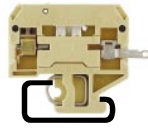
\*\* The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

1) Shock-proof with ADP4 cover profile (see page 3/23)

**Feed-through terminals**  
**Disconnect terminals**  
**with solder connection**

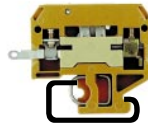
**SAKR L**

with 1 x StB 6



**SAKR L**

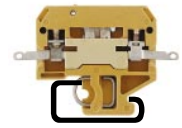
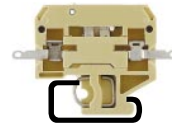
with 2 StB 6



**SAKR LL**

**SAKR LL**

with 2 StB 6



**Dimensions**

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

6,5/50/40,5/54,5 (open)  
8 mm/M 3/3,5 x 0,6

6,5/50/40,5/54,5 (open)  
8 mm/M 3/3,5 x 0,6

6,5/58/40,5/54,5 (open)

6,5/58/40,5/54,5 (open)

-/-/3,5 x 0,6

**Rated data**

Rated voltage / current / cross-section  
Rated impulse voltage VDE 0110/1.89/Pollution severity

250 V/10 A/4/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/4/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/1,5 mm<sup>2</sup>  
4 kV/3

250 V/10 A/1,5 mm<sup>2</sup>  
4 kV/3

**Further technical data**

Tightening torque range Nm  
Torque setting with DMS 2 electric screwdriver

0,5...1,0  
2/1

0,5...1,0  
1

**Clampable conductor**

solid H07V-U mm<sup>2</sup>  
stranded H07V-R mm<sup>2</sup>  
flexible H07V-K mm<sup>2</sup>  
flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>  
Plug gauge according to 947-1 Size

0,5...4  
1,5...4  
0,5...4  
0,5...2,5  
A 3

0,5...4  
1,5...4  
0,5...4  
0,5...2,5  
A 3

Continuous current of terminal block for conductor size  
Continuous current rating of cross-connection 2-pole A  
Continuous current rating of cross-connection multipole A

(QB 2...25) 10

(QB 2...25) 10

**UL / CSA rated data**

Voltage / current / conductor size UL  
Voltage / current / conductor size CSA

-  
300 V/10 A/22...12 AWG

-  
-

-  
300 V/10 A/22...12 AWG

-  
300 V/10 A/22...12 AWG

**Ordering data**

Type

Cat. No. Qty.

Cat. No. Qty.

Cat. No. Qty.

Cat. No. Qty.

KrG

**051812\*** 100

Blue KrG

KrS

PA

**041256** 100

**051816\*** 100

**046446** 100

**029426** 100

Blue PA

KrG

KrS

PA

**041266\*** 100

**057266** 100

Blue PA

**End plate / partition (thickness mm)**

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

KrG

AP (1,5) **021132** 20

AP (1,5) **021132** 20

AP (1,5) **021132** 20

Blue KrG

PA

AP (1,5) **021136** 20

AP (1,5) **021136** 20

AP (1,5) **021136** 20

AP (1,5) **021136** 20

Blue PA

PA

AP (1,5) **021138** 20

AP (1,5) **021138** 20

AP (1,5) **021138** 20

AP (1,5) **021138** 20

HP

TW (0,5) **047470** 20

TW (0,5) **047470** 20

TW (0,5) **047470** 20

HP

TW (2,0) **060700** 20

TW (2,0) **060700** 20

TW (2,0) **060700** 20

TW (2,0) **060700** 20

**Small partition**



**Cross-connection**



2-pole

QB 2\*\* **048270** 100

QB 2\*\* **048270** 100

3-pole

QB 3\*\* **048280** 50

QB 3\*\* **048280** 50

4-pole

QB 4\*\* **048290** 50

QB 4\*\* **048290** 50

10-pole

25-pole

QB 25 blank\*\* **013400** 20

QB 25 blank\*\* **013400** 20

**Test plug/Socket**

Plug-test socket without using QL

Plug-test socket for use with QL



PS 2.3 **018040** 20

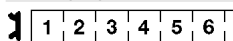
PS 2.3 **018040** 20

PS 2.3 **018040** 20

**Cover**

**Marking tags**

**Print**



Consecutive horizontal

Consecutive vertical

FW 6.5 **046816**

FS 6.5 **046826**

FW 6.5 **046816**

FS 6.5 **046826**

FW 6.5 **046816**

FS 6.5 **046826**

FW 6.5 **046816**

FS 6.5 **046826**

For further accessories see section 3, further marking material see section 8

\* Solder lug on left

\*\* The conductor cross-section for the screw connection is reduced to 2,5 mm<sup>2</sup> when QB is used

**TAL**

2 solder connections



**TAL**

4 solder connections



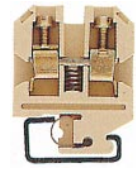
**Ceramic feed-through terminals**

for use in high temperature ranges up to max. 210 °C

**SAKK 4**



**SAKK 10**



4/48/36/50 (open)      4/54/36/50 (open)

63 V/10 A/1,5 mm<sup>2</sup>      63 V/10 A/1,5 mm<sup>2</sup>  
1,5 kV/3      1,5 kV/3

Cat. No. Qty.      Cat. No. Qty.

**021206** 100      **030496** 100

Type Cat. No. Qty.      Type Cat. No. Qty.

AP (1,5) **021226** 20      AP (1,5) **021226** 20

TW (0,5) **047470** 20      TW (0,5) **047470** 20

TW (1,0) **029710** 20      TW (2,0) **060700** 20

on request      on request  
on request      on request

**Dimensions**

Width / length / height (mm)      with TS 32

Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage / current / cross-section

**Further technical data**

**Clampable conductor**

solid mm<sup>2</sup>      mm<sup>2</sup>  
stranded

Plug gauge according to 947-1      Size  
Continuous current of cross-connection for conductor size      35 A/6 mm<sup>2</sup>  
Continuous current rating of cross-connection 2-pole      A 36  
Continuous current rating of cross-connection multipole      A 36

**UL / CSA rated data**

Voltage / current / conductor size      UL 600 V/30 A/22...10 AWG  
Voltage / current / conductor size      CSA 600 V/36 A/26...10 AWG

**Ordering data**

**Version**  
Ceramic

8/40/53      11,5/40/53

12 mm/M 3/3,5 x 0,6      12 mm/M 4/5,5 x 1,0

800 V/32 A/4 mm<sup>2</sup>      800 V/57 A/10 mm<sup>2</sup>

0,5...6 mm<sup>2</sup>      2,5...16 mm<sup>2</sup>  
0,5...4 mm<sup>2</sup>      2,5...10 mm<sup>2</sup>

Size      A 4      B 6  
35 A/6 mm<sup>2</sup>      63 A/16 mm<sup>2</sup>  
36      47  
36      36

UL 600 V/30 A/22...10 AWG      600 V/55 A/14...16 AWG  
CSA 600 V/36 A/26...10 AWG      600 V/65 A/14...16 AWG

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
SAKK 4	<b>159808</b>	50	SAKK 10	<b>159809</b>	50

**End plate (Thickness 3 mm)**



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP/SAKK 4/10	<b>950263</b>	10	AP/SAKK 4/10	<b>950263</b>	10

**Cross-connection**

QL 2  
 QL 3  
 QL 4

Connecting sleeve  
Attachment screw

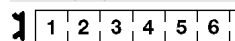
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
QL 2	<b>019430</b>	100	QL 2	<b>950947</b>	100
QL 3	<b>019440</b>	100	QL 3	<b>950948</b>	50
QL 4	<b>019450</b>	50	QL 4	<b>950949</b>	50
QL 10	<b>033830</b>	20	QL 10	<b>950950</b>	20
VH 13,5	<b>950946</b>	100	VH 12,5	<b>950951</b>	50
BS (M 3 x 20)	<b>030300</b>	100	BS (M 3 x 20)	<b>030300</b>	100

**Accessories**

Locking pin  
End bracket  
PE terminal

SST 3	<b>015270</b>	SST 3	<b>015270</b>
MEW 1/32	<b>044560</b>	MEW 1/32	<b>044560</b>
EK 2	<b>032311</b>	EK 2	<b>032311</b>

**Marking tags**



**Print**

Consecutive horizontal  
Consecutive vertical

For further accessories see section 3, further marking material see section 8

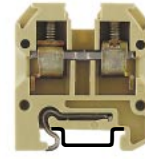
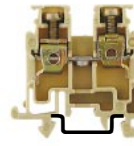
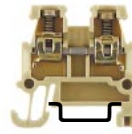
**TS 15**  
**Feed-through terminals**  
**PE terminals**  
**Fuse terminals**  
**Disconnect terminals**

**AKZ 1.5**  
**AKZ 1.5/10**

**AKZ 2.5**

**AKZ 4**  
**AKZ 4/10**

**AKZ 4** for test adapter  
**AKZ 4/10** for test adapter



Max. Technical Data		21,5 A / 2,5 mm <sup>2</sup>	26 A / 4 mm <sup>2</sup>	38,5 A / 6 mm <sup>2</sup>	38,5 A / 6 mm <sup>2</sup>
<b>Dimensions</b>					
Width / length / height (mm)	with TS 15	5/25/25	5/25,5/27	6/27/30	60/27/30
Insulation stripping length/clamping screw/screwdriver blade		7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6
<b>VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1</b>					
Rated voltage / current / cross-section		400 V/17,5 A/1,5 mm <sup>2</sup>	250 V/24 A/2,5 mm <sup>2</sup>	500 V/32 A/4 mm <sup>2</sup>	500 V/32 A/4 mm <sup>2</sup>
Rated impulse voltage / Pollution severity		6 kV/3	4 kV/3	6 kV/3	6 kV/3
<b>Further technical data</b>					
Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver		1	1	2	2
<b>Clampable conductor</b>					
solid H07V-U	mm <sup>2</sup>	0,5...2,5	0,5...4	0,5...6	0,5...6
stranded H07V-R	mm <sup>2</sup>	1,5	1,5...2,5	1,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup>	0,5...1,5	0,5...2,5	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...1,5	0,5...2,5	0,5...4	0,5...4
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>	0,5...1,5	0,5...2,5	0,5...4	0,5...4
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size	0,2...2,5 / A 1	0,13...4,0 / A 3	0,2...6,0 / A 3	0,2...6,0 / A 3
Continuous current rating of cross-connection 2-pole	A	10	20	20	20
Continuous current rating of cross-connection multipole	A	10	20	20	20
<b>UL / CSA rated data</b>					
Voltage / current / conductor size	UL	150 V/15 A/22...14 AWG	300 V/10 A/22...12 AWG	300 V/27A/22...12 AWG	300V/27 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/10 A/24...16 AWG	300 V/10 A/26...10 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG
<b>Ordering data</b>	Type	TS 15	TS 15	TS 15	TS 15
	KrG				
	PA	<b>034046</b> 100	(with spigot) <b>069716</b> 100	<b>029432</b> 100	for test adapter <b>153826</b> 100
	Blue PA	<b>034048</b> 100	(with spigot) <b>069718</b> 100	<b>029438</b> 100	
	PA	(10pol.w/o.mrk.) <b>035806</b> 10	(without spigot) <b>017596</b> 100	(10pol.w/o.mrk.) <b>035956</b> 10	w. mark./f. test ad. <b>148936</b> 10
	PA	(10pol.w. mrk.) <b>035816</b> 10	AKZ 2.5 with AP <b>038586</b> 50	(10pol.w. mrk.) <b>035966</b> 1	ATA 1, 1-pole <b>163253</b> 25
					ATA 1, 10-pole <b>163324</b> 5

<sup>1)</sup>Test adapter ATA 1...

<b>End plate</b> (thickness mm)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.		
	KrG						AP (1,5)	<b>029442</b>	20					
	PA	AP (1,5)	<b>034056</b>	50	AP (2,5)	<b>069736</b>	50	AP (1,5)	<b>029446</b>	20	AP (1,5)	<b>029446</b>	20	
	Blue PA				AP (2,5)	<b>069738</b>	50	AP (1,5)	<b>029448</b>	20				
<b>Partition</b> (thickness mm)	KrG													
	PA				TW (1,5)	<b>031856</b>	20							
	Blue PA				TW (1,5)	<b>031858</b>	20							
<b>Small partition</b>	PA													
								TSch 4	<b>036336</b>	100	TSch 4	<b>036336</b>	100	
<b>Cross-connection</b>														
		Q 2	<b>036820</b>	50	Q 2	<b>036820</b>	50	Q 2	<b>033640</b>	50	Q 2	<b>033640</b>	50	
		Q 3	<b>036830</b>	50	Q 3	<b>036830</b>	50	Q 3	<b>033650</b>	50	Q 3	<b>033650</b>	50	
		Q 4	<b>036840</b>	50	Q 4	<b>036840</b>	50	Q 4	<b>033660</b>	50	Q 4	<b>033660</b>	50	
		Q 5	<b>066030</b>	20	Q 5	<b>066030</b>	20							
		Q 10	<b>036850</b>	20	Q 10	<b>036850</b>	20	Q 10	<b>036860</b>	20	Q 10	<b>036860</b>	20	
<b>Switchable cross-connection link</b>														
								VL 2	<b>044670</b>	50	VL 2	<b>044670</b>	50	
	VL							VH 10	<b>044660</b>	100	VH 10	<b>044660</b>	100	
	BS							BS M 2,5x14	<b>026680</b>	100	BS M 2,5x14	<b>026680</b>	100	
	VH													
<b>Cover/cover profile</b> for shock protection* (see also on page 3/23)														
<b>Test plug/Socket</b>														
	StB	Plug-test socket without using QL	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50
	PS													
	contact sleeve		PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
<b>Marking tags</b>	<b>Print</b>													
	Consecutive horizontal	FW 5	<b>047346</b>	500	FW 5	<b>047346</b>	500	FW 6	<b>046866</b>	500	FW 6	<b>046866</b>	500	
	Consecutive vertical	FS 5	<b>047356</b>	500	FS 5	<b>047356</b>	500	FS 6	<b>046876</b>	500	FS 6	<b>046876</b>	500	

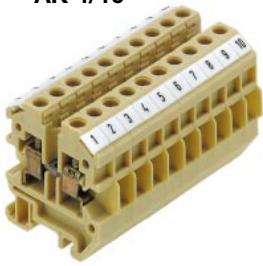
For further accessories see section 3, further marking material see section 8 u. 8

\* For PA terminals only

<sup>1)</sup> Test adapter with crimped cables available on request

<sup>2)</sup> 300 mm long

**AK 4**  
**AK 4/10**



38,5 A / 6 mm<sup>2</sup>

60/32/34		
9 mm/M 3/3,5 x 0,6		
690 V/32 A/4 mm <sup>2</sup>		
8 kV/3		
0,5...1,0		
2		
0,5...6		
1,5...4		
0,5...4		
0,5...4		
0,5...4		
0,2...6.0 / A 3		
20		
20		
600 V/27 A/22...12 AWG		
600 V/20 A/24...12 AWG		
TS 15	Cat. No.	Qty.
	<b>048956</b>	100
(10pol.w/o.mrk.)	<b>036656</b>	10
(10pol.w. mrk.)	<b>046956</b>	10
Type	Cat. No.	Qty.
BB 3 (8,0)	<b>036666</b>	50
Combined AP + end bracket		
TW/AP (1,5)	<b>133176</b>	20
TSch 4	<b>036336</b>	100
Q 2	<b>036900</b>	50
Q 3	<b>036910</b>	50
Q 4	<b>036920</b>	50
Q 10	<b>036930</b>	20
AD 4	<b>030340</b>	50
BSK M 2,5x18	<b>030330</b>	100
StB 8.5	<b>021570</b>	50
PS 2.3	<b>018040</b>	20
FW 6	<b>046866</b>	500
FS 6	<b>046876</b>	500

**AKE 2.5**



5/28/27		
7 mm/M 2,5/3,0 x 0,5		
IEC 947-7-2		
250 V**/-/2,5 mm <sup>2</sup>		
4 kV/3		
0,4...0,7		
1		
0,5...4		
1,5...2,5		
0,5...2,5		
0,5...2,5		
0,5...2,5		
0,13...4.0 / A 3		
-/-/22...12 AWG		
-/-/26...12 AWG		
TS 15	Cat. No.	Qty.
	<b>130336</b>	100
	(Green/yellow)	
Type	Cat. No.	Qty.
FW 5	<b>047346</b>	500
FS 5	<b>047356</b>	500

**AKE 4**



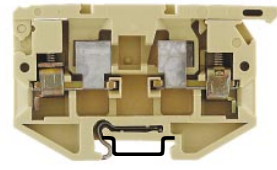
7/32/34		
9 mm/M 3/3,5 x 0,6		
IEC 947-7-2		
690 V**/-/4 mm <sup>2</sup>		
8 kV/3		
0,5...1,0		
2		
0,5...4		
1,5...4		
0,5...4		
0,5...2,5		
0,5...2,5		
0,13...4.0 / A 3		
-/-/22...12 AWG		
-/-/26...12 AWG		
TS 15	Cat. No.	Qty.
	<b>038026</b>	100
	(Green/yellow)	
Type	Cat. No.	Qty.
FW 6,5	<b>046816</b>	500
FS 6,5	<b>046826</b>	500

**AKE 4 MS**



7/27,5/30		
9 mm/M 3/3,5 x 0,6		
-/-/4 mm <sup>2</sup>		
0,8...1,6		
3		
0,5...4		
1,5...4		
0,5...4		
0,5...4		
0,5...4		
0,5...4.0 / A 3		
-		
-/-/22...14 AWG		
TS 15	Cat. No.	Qty.
	<b>021120</b>	50
Type	Cat. No.	Qty.

**ASK 1**



8/58/34		
9 mm/M 3/3,5 x 0,6		
500 V/6,3 A/4 mm <sup>2</sup>		
6 kV/3		
0,5...1,0		
2		
0,5...4		
1,5...4		
0,5...4		
0,5...2,5		
0,5...2,5		
0,13...4.0 / A 3		
(QB 2...4) 10		
300 V/10 A/22...12 AWG		
300 V/6,3 A/26...12 AWG		
TS 15	Cat. No.	Qty.
	<b>037686</b>	100
5 x 20 without indicator		
Type	Cat. No.	Qty.
AP (1,5)	<b>038036</b>	20
QB 2 <sup>1)</sup> insul.	<b>046110</b>	50
QB 3 <sup>1)</sup> insul.	<b>046120</b>	50
QB 4 <sup>1)</sup> insul.	<b>046130</b>	50
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. <b>033740</b> )		
contact sleeve	<b>055330</b>	100
FW 6.5	<b>046816</b>	500
FS 6.5	<b>046826</b>	500

**SAKR**  
with 2 sockets or  
with 2 clamping screws



6,5/42/45		
8 mm/M 3/3,5 x 0,6		
400 V <sup>2)</sup> /10 A/4 mm <sup>2</sup>		
6 kV/3		
0,5...1,0		
2		
0,5...4		
1,5...4		
0,5...4		
0,5...2,5		
0,5...4		
0,13...4.0 / A 3		
(QB 2...4) 10		
300 V/10 A/22...12 AWG		
300 V/10 A/26...12 AWG		
TS 15	Cat. No.	Qty.
with 2 StB	<b>041286</b>	100
w. clamp. scrw.	<b>041276</b>	100
Type	Cat. No.	Qty.
AP (1,5)	<b>021136</b>	20
QB 2 <sup>1)</sup> insul.	<b>048270</b>	50
QB 3 <sup>1)</sup> insul.	<b>048280</b>	50
QB 4 <sup>1)</sup> insul.	<b>048290</b>	50
QB 25 <sup>1)</sup> blank	<b>013400</b>	20
PS 2.3	<b>018040</b>	20
FW 6.5	<b>046816</b>	500
FS 6.5	<b>046826</b>	500

<sup>1)</sup> rated voltage between PE and feed-through to VDE 0110/1.89

<sup>1)</sup> The conductor cross-section for the screw connection is reduced to 2.5 mm<sup>2</sup> when QB is used

<sup>2)</sup> With contact sleeve 19 A

<sup>2)</sup> As disconnect terminal, rated voltage 250 V



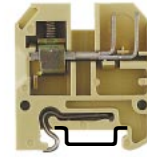
**Feed-through terminals**  
**Tab connection**  
**Solder connection**

**AKZ 4 SS**

**AKZ 4 SS**

**AKZ 4 S**

**AKZ 4 SF**



**Dimensions**

Width / length / height (mm)	with TS 15	6/28,5/30,5	6/28,5/30,5	6/27/30	6/27/30
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Insulation stripping length/clamping screw/screwdriver blade				9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6
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<b>Rated data</b>					
Rated voltage/rated current/rated cross-section		400 V/8 A/2,5/1 mm <sup>2</sup>	400 V/8 A/1 mm <sup>2</sup>	400 V/8 A/4/1 mm <sup>2</sup>	400 V/8 A/4/1 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3

<b>Further technical data</b>					
Tightening torque range	Nm			0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver				2	2

<b>Clampable conductor</b>					
solid H07V-U	mm <sup>2</sup>			0,5...4	0,5...4
stranded H07V-R	mm <sup>2</sup>			1,5...4	1,5...4
flexible H07V-K	mm <sup>2</sup>	Tab 6.3 und 2.8 mm	Tab 2.8 mm	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>			0,5...4	0,5...4
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>			0,5...4	0,5...4
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size			0.2...4/A 3	0.2...4/A 3

Continuous current rating of cross-connection	2-pole	A	20	20	20	20
Continuous current rating of cross-connection	multipole	A	20	20	20	20

<b>UL / CSA rated data</b>					
Voltage / current / conductor size	UL	-	-	150 V/20 A/22...12 AWG	-
Voltage / current / conductor size	CSA	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG

<b>Ordering data</b>	Type	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.
	KrG												
	PA		<b>032456</b>	100		<b>036246</b>	100		<b>032446</b>	100		<b>015876</b>	100
	Blue PA												
	PA												

<b>End plate</b> (thickness mm)	Type	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.
		AP (1,5)	<b>029446</b>	20	AP (1,5)	<b>029446</b>	20	AP (1,5)	<b>029446</b>	20	AP (1,5)	<b>029446</b>	20
		Blue PA											
		HP											
		HP											
		BB											

<b>Partition</b> (thickness mm)	Type	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.	PA	Cat. No.	Qty.
		TW (0,5)	<b>034826</b>	50	TW (0,5)	<b>034826</b>	50	TW (0,5)	<b>034826</b>	50	TW (0,5)	<b>034826</b>	50
		HP											
		HP											

<b>Small partition</b>													
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<b>Cross-connection</b>													
		Q 2	<b>036900</b>	50	Q 2	<b>036900</b>	50	Q 2	<b>033640</b>	50	Q 2	<b>033640</b>	50
		Q 3	<b>036910</b>	50	Q 3	<b>036910</b>	50	Q 3	<b>033650</b>	50	Q 3	<b>033650</b>	50
		Q 4	<b>036920</b>	50	Q 4	<b>036920</b>	50	Q 4	<b>033660</b>	50	Q 4	<b>033660</b>	50
		Q 10	<b>036930</b>	20	Q 10	<b>036930</b>	20	Q 10	<b>036860</b>	20	Q 10	<b>036860</b>	20

<b>Switchable cross-connection link</b>													
		VL 2	<b>044670</b>	50	VL 2	<b>044670</b>	50	VL 2	<b>044670</b>	50	VL 2	<b>044670</b>	50
		VH 10	<b>044660</b>	100	VH 10	<b>044660</b>	100	VH 10	<b>044660</b>	100	VH 10	<b>044660</b>	100
		BS M 2,5x14	<b>026680</b>	100	BS M 2,5x14	<b>026680</b>	100	BS M 2,5x14	<b>026680</b>	100	BS M 2,5x14	<b>026680</b>	100

<b>Test plug/Socket</b>													
		StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50
		PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20

<b>Cover</b>													
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<b>Insulation sleeve</b>													
		IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
		IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100

<b>Marking tags</b>	<b>Print</b>													
		Consecutive horizontal	FW 6	<b>046866</b>	500	FW 6	<b>046866</b>	500	FW 6	<b>046866</b>	500	FW 6	<b>046866</b>	500
		Consecutive vertical	FS 6	<b>046876</b>	500	FS 6	<b>046876</b>	500	FS 6	<b>046876</b>	500	FS 6	<b>046876</b>	500

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used with tab connections to maintain the rated voltage.



**Feed-through terminals**

**Screw connection**

**Spring clip connection** iaw. DIN 41611 Part 4

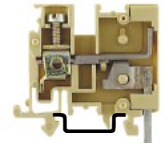
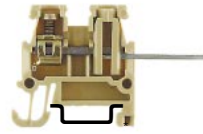
**Wrap connection** iaw. DIN/IEC 352 Part 1

**AKZ 1.5 T**

**AKZ 1.5 T**

**AKZ 1.5 T**

**AKZ 2.5 K**



\* 035786 = 45 mm

**Dimensions**

Width / length / height (mm)	with TS 15	5/25/45	5/25/39,5	5/28/44	5/26/46,7
Pin dimension	mm	0,8 x 1,6	1 x 1	0,8 x 1,6	0,8 x 1,6
Insulation stripping length/clamping screw/screwdriver blade		7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5

**Rated data**

Rated voltage / current / cross-section		125 V/8 A/1,5 mm <sup>2</sup>	125 V/8 A/1,5 mm <sup>2</sup>	125 V/8 A/1,5 mm <sup>2</sup>	125 V/10 A/2,5 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity		2,5 kV/3	2,5 kV/3	2,5 kV/3	2,5 kV/3

**Further technical data**

Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7
Torque setting with DMS 2 electric screwdriver		1	1	1	1

**Clampable conductor**

solid H07V-U	mm <sup>2</sup>	0,5...2,5	0,5...2,5	0,5...2,5	0,5...4
stranded H07V-R	mm <sup>2</sup>	1,5	1,5	1,5	1,5...2,5
flexible H07V-K	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size	0.13...2.5 / A1	0.13...2.5 / A1	0.13...2.5 / A1	0.13...4.0 / A3

Continuous current rating of cross-connection 2-pole	A	10	10	10	10
Continuous current rating of cross-connection multipole	A	10	10	10	10

**UL / CSA rated data**

Voltage / current / conductor size	UL	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG
Voltage / current / conductor size	CSA	300 V/10 A/24...16 AWG	300 V/10 A/24...16 AWG	300 V/10 A/24...16 AWG	300 V/10 A/26...10 AWG

**Ordering information**

**Pin versions**

		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 Horizontal assembly	0.6 x 0.6	AKZ 1.5 T	<b>044256</b>	100	AKZ 1.5 T	<b>048366</b>	100	AKZ 1.5 T	<b>040046</b>	100	AKZ 2.5 K	<b>069626</b>	100
	1.0 x 1.0	AKZ 1.5 T	<b>035796</b>	100	AKZ 1.5 T	<b>035786</b>	100	AKZ 1.5 T	<b>040036</b>	100	AKZ 2.5 K	<b>069636</b>	100
	0.8 x 1.6 horizontal	AKZ 1.5 W	<b>032946</b>	100				AKZ 1.5 T	<b>041036</b>	100	AKZ 2.5 K	<b>069646</b>	100
	0.8 x 1.6 vertical										AKZ 2.5 K	<b>069656</b>	100
 Vertical assembly	0.8 x 2.4 horizontal												
	0.8 x 2.4 vertical												

**End plate (thickness mm)**

	PA	AP (1,5)	<b>034056</b>	50	AP (1,5)	<b>034056</b>	50	AP (1,5)	<b>034056</b>	50	AP (2,5)	<b>069726</b>	50
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**Partition (thickness mm)**

	PA										TW (1,5)	<b>031856</b>	20
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**Small partition**

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**Cross-connection**

 Q 3	2-pole	Q 2	<b>036820</b>	50	Q 2	<b>036820</b>	50	Q 2	<b>036820</b>	50	Q 2	<b>036820</b>	50
	3-pole	Q 3	<b>036830</b>	50	Q 3	<b>036830</b>	50	Q 3	<b>036830</b>	50	Q 3	<b>036830</b>	50
	4-pole	Q 4	<b>036840</b>	50	Q 4	<b>036840</b>	50	Q 4	<b>036840</b>	50	Q 4	<b>036840</b>	50
	10-pole	Q 10	<b>036850</b>	20	Q 10	<b>036850</b>	20	Q 10	<b>036850</b>	20	Q 10	<b>036850</b>	20

**Switchable cross-connection link**

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**Test plug/Socket**

		Plug-test socket ø 2.3 mm	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50	StB 8.5	<b>021570</b>	50
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			PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20
 Print	Consecutive horizontal	FW 5	<b>047346</b>	500	FW 5	<b>047346</b>	500	FW 5	<b>047346</b>	500	FW 5	<b>047346</b>	500	
	Consecutive vertical	FS 5	<b>047356</b>	500	FS 5	<b>047356</b>	500	FS 5	<b>047356</b>	500	FS 5	<b>047356</b>	500	

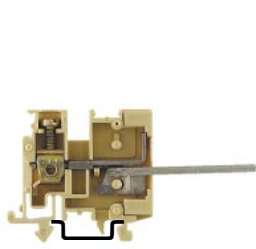
For further accessories see section 3, further marking material see section 8

**AKZ 2.5 K**



5/26/46,7
0,8 x 1,6
7 mm/M 2,5/3,0 x 0,5
250 V/8 A/2,5 mm <sup>2</sup>
4 kV/3
0,4...0,7
1
0,5...4
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,13...4,0 / A3
10
10
300 V/10 A/26...14 AWG
300 V/10 A/26...10 AWG
Type Cat. No. Qty.
AKZ 2.5 K <b>069546</b> 100
AKZ 2.5 K <b>069556</b> 100
AKZ 2.5 K <b>069576</b> 100
AKZ 2.5 K <b>069566</b> 100

**AKZ 2.5 K**



5/47,5/27
0,8 x 1,6
7 mm/M 2,5/3,0 x 0,5
250 V/8 A/2,5 mm <sup>2</sup>
4 kV/3
0,4...0,7
1
0,5...4
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,13...4,0 / A3
10
10
300 V/10 A/26...14 AWG
300 V/10 A/26...10 AWG
Type Cat. No. Qty.
AKZ 2.5 K <b>069586</b> 100
AKZ 2.5 K <b>069596</b> 100
AKZ 2.5 K <b>069606</b> 100
AKZ 2.5 K <b>069616</b> 100

**AKZ 4 T**



6/27/48,5
1 x 1
9 mm/M 3/3,5 x 0,6
250 V/10 A/4 mm <sup>2</sup>
4 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4,0 / A3
20
20
300 V/10 A/26...14 AWG
300 V/10 A/24...12 AWG
Type Cat. No. Qty.
AKZ 4 T <b>044586</b> 100

**AKZ 4 T**



6/27/50,5
0,8 x 1,6
9 mm/M 3/3,5 x 0,6
250 V/10 A/4 mm <sup>2</sup>
4 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4,0 / A3
20
20
300 V/10 A/26...14 AWG
300 V/10 A/24...12 AWG
Type Cat. No. Qty.
AKZ 4 T <b>034416</b> 100
AKZ 4 T <b>034406</b> 100

**AKZ 4 T**



6/27/57,8
0,8 x 2,4
9 mm/M 3/3,5 x 0,6
250 V/10 A/4 mm <sup>2</sup>
4 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4,0 / A3
20
20
300 V/10 A/26...14 AWG
300 V/10 A/24...12 AWG
Type Cat. No. Qty.
AKZ 4 T <b>036646</b> 100
AKZ 4 T <b>046166</b> 100

**AKZ 4 ST**



6/27/50,2
0,8 x 1,6
-
250 V/10 A/2,5 mm <sup>2</sup>
4 kV/3
0,5...1,0
-
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,5...2,5 / -
20
20
-
-
Type Cat. No. Qty.
AKZ 4 ST <b>043926</b> 100

AP (2,5) <b>069726</b> 50
TW (1,5) <b>031856</b> 20

AP (2,5) <b>069726</b> 50
TW (1,5) <b>031856</b> 20

AP (1,5) <b>029446</b> 20
TW (1,5) <b>034826</b> 50

AP (1,5) <b>029446</b> 20
TW (1,5) <b>034826</b> 50

AP (1,5) <b>029446</b> 20
TW (1,5) <b>034826</b> 50

AP (1,5) <b>029446</b> 20
TW (1,5) <b>034826</b> 50

Q 2 <b>036820</b> 50
Q 3 <b>036830</b> 50
Q 4 <b>036840</b> 50
Q 10 <b>036850</b> 20

Q 2 <b>036820</b> 50
Q 3 <b>036830</b> 50
Q 4 <b>036840</b> 50
Q 10 <b>036850</b> 20

TSch 4 <b>036336</b> 100
Q 2 <b>033640</b> 50
Q 3 <b>033650</b> 50
Q 4 <b>033660</b> 50
Q 10 <b>036860</b> 20

TSch 4 <b>036336</b> 100
Q 2 <b>033640</b> 50
Q 3 <b>033650</b> 50
Q 4 <b>033660</b> 50
Q 10 <b>036860</b> 20

TSch 4 <b>036336</b> 100
Q 2 <b>033640</b> 50
Q 3 <b>033650</b> 50
Q 4 <b>033660</b> 50
Q 10 <b>036860</b> 20

Q 2 <b>036900</b> 50
Q 3 <b>036910</b> 50
Q 4 <b>036920</b> 50
Q 10 <b>036930</b> 20

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 5 <b>047346</b> 500
FS 5 <b>047356</b> 500

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 5 <b>047346</b> 500
FS 5 <b>047356</b> 500

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 6 <b>046866</b> 500
FS 6 <b>046876</b> 500

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 6 <b>046866</b> 500
FS 6 <b>046876</b> 500

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 6 <b>046866</b> 500
FS 6 <b>046876</b> 500

StB 8.5 <b>021570</b> 50
PS 2.3 <b>018040</b> 20
FW 6 <b>046866</b> 500
FS 6 <b>046876</b> 500

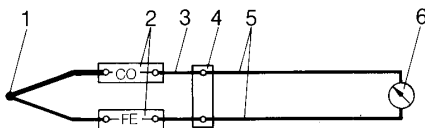
## Feed-through terminals for temperature measuring circuits

AKZ 4/TC

Weidmüller thermocouple terminals are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Row width 14 mm including end plate

### Configuration of a temperature measuring circuit




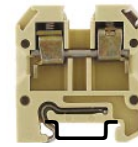
- |                          |                                   |
|--------------------------|-----------------------------------|
| 1 Thermocouple (sensor)  | 4 Reference point                 |
| 2 Thermocouple terminals | 5 Supply conductors (to and from) |
| 3 Compensating conductor | 6 Measuring device                |

The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple. Thermocouple terminals are required for the construction of temperature measuring circuits.

#### Technical data

Thermocouples according to IEC 584 (DIN 43 710)

	Busbar
	Constantan
	Iron



#### Dimensions

Width / length / height (mm) with TS 15  14/27/30

Insulation stripping length/clamping screw/screwdriver blade 9 mm/M 3/3,5 x 0,6

#### Rated data

Rated voltage / current / cross-section -/-/4 mm<sup>2</sup>

#### Further technical data

Tightening torque range Nm 0,5...1

Torque setting with DMS 2 electric screwdriver 2

#### Clampable conductor

solid H07V-U mm<sup>2</sup> 0,5...4

stranded H07V-R mm<sup>2</sup> 1,5...4

flexible H07V-K mm<sup>2</sup> 0,5...4

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup> 0,5...2,5

flexible H07V-K and AEH with plastic collar mm<sup>2</sup> 0,5...2,5

Plug gauge according to 947-1 Size A 3

Continuous current of terminal block for conductor size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

#### UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

#### Ordering information

for thermocouples	Version Type J	Fe - CuNi	 TS 15	Cat. No.	Qty.
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according to IEC 584	Type T	Cu - CuNi		<b>162701</b>	20
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(DIN 43710)	Type K	NiCr - Ni		<b>on request</b>	
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	Type E	NiCr - CuNi		<b>167713</b>	20
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				<b>on request</b>	
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#### End plate

	AP (thickness 1.5 mm)	PA	Cat. No.	<b>029446</b>	20
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#### Partition

	TW (thickness 0.5 mm)	PA		<b>034826</b>	50
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#### Marking tags

	Print	
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Consecutive horizontal	FW 6	<b>046866</b>	500
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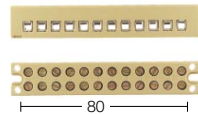
Consecutive vertical	FS 6	<b>046876</b>	500
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For further accessories see section 3, further marking material see section 8

# Multipole terminal blocks

## Screw connection

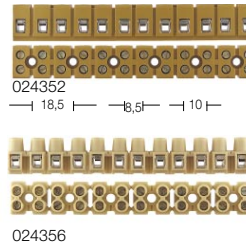
### MK 2/12



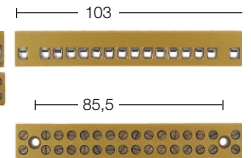
### MK 10/14



### MK 3/12



### MK 4/16



#### Dimensions

Width / length / height (mm)	86/15/15	88,5/13,5/12	110/15/16,1	103/17/16
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Insulation stripping length/clamping screw/screwdriver blade	5 mm/M 2,5/3,5 x 0,6	6 mm/M 2,5/3,5 x 0,6	5 mm/M 2,5/3,5 x 0,6	5 mm/M 2,5/3,5 x 0,6
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<b>Rated data VDE 0611 Part 1 / 8.92 / IEC 947-7-1</b>				
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Rated voltage / current / cross-section	125 V/24 A/2,5 mm <sup>2</sup>	125 V/24 A/2,5 mm <sup>2</sup>	400 V/24 A/2,5 mm <sup>2</sup>	400 V/24 A/2,5 mm <sup>2</sup>
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Rated impulse voltage VDE 0110/1.89/Pollution severity	2,5 kV/3	2,5 kV/3	6 kV/3	6 kV/3
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<b>Further technical data</b>				
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Tightening torque range	Nm 0,4...0,6	0,4...0,6	0,4...0,6	0,4...0,6
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Torque setting with DMS 2 electric screwdriver	1	1	1	1
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<b>Clampable conductor</b>				
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solid H07V-U	mm <sup>2</sup> 0,5...4	0,5...4	0,5...4	0,5...4
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stranded H07V-R	mm <sup>2</sup> 1,5...2,5	1,5...2,5	1,5...2,5	1,5...2,5
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flexible H07V-K	mm <sup>2</sup> 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
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flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup> 0,5...1,5	0,5...1,5	0,5...1,5	0,5...1,5
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flexible H07V-K and AEH with plastic collar	mm <sup>2</sup> 0,5...1,5	0,5...1,5	0,5...1,5	0,5...1,5
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Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size 0,2...4,0 / A 2	0,2...4,0 / A 2	0,2...4,0 / A 2	0,2...4,0 / A 2
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Continuous current rating of cross-connection	2-pole A			
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Continuous current rating of cross-connection	multipole A			
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<b>UL / CSA rated data</b>				
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Voltage / current / conductor size	UL 300 V/10 A/24...12 AWG	150 V/25 A/22...12 AWG	300 V/25 A/22...12 AWG	150 V/20 A/22...12 AWG
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Voltage / current / conductor size	CSA 300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/25 A/22...12 AWG	150 V/15 A/22...12 AWG
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<b>Ordering data</b>	<b>Version</b>	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
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2-pole													
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3-pole													
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4-pole													
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4-pole													
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6-pole													
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6-pole													
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8-pole													
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8-pole													
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10-pole													
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12-pole	MK 2/12 PA	024126	50										
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12-pole													
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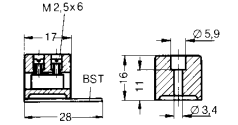
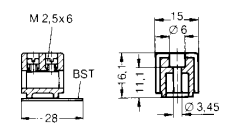
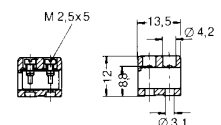
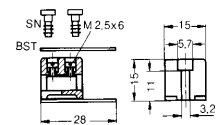
14-pole													
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16-pole													
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MK 10/14 PA **037016** 20

Other numbers of poles on request

MK 4/16 KrG **024422** 20



The MK 10/14 can be mounted with glue or with M 3 x 12 screws through the empty terminal point aperture

\*DIN EN ISO 1207

<b>Solder tag/expansion rivet</b>													
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MF 2/12	024176	50											
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SN	020010	500											
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<b>Marking strips</b>													
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Printed	BSTb 28/12	024570	50										
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1 ...	Bottom												
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	BSTb 28/12	027850	50										
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	Top												
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Unprinted	BSTo 28/12	024560	50										
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Printed on top on request

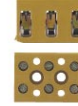
# Multipole terminal blocks Screw/tab connection

## MK 5/2

## KS 2...10

## BK 2...12

## MK 6/2...6/6



062012 KRG



062016 PA

### Dimensions

Width / length / height (mm)

40/18/15,5

See table below

See table below

See table below

Insulation stripping length/clamping screw/screwdriver blade

5 mm/M 2,5/3,5 x 0,6

8 mm/M 3/4,0 x 0,8

8 mm/M 3/4,0 x 0,8

9 mm/M 4/4,0 x 0,8

### VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section

500 V/24 A/2,5 mm<sup>2</sup>

500 V/24 A/2,5 mm<sup>2</sup>

400 V/32 A/4 mm<sup>2</sup>

690 V/41 A/6 mm<sup>2</sup>

Rated impulse voltage VDE 0110/1.89/Pollution severity

6 kV/3

6 kV/3

6 kV/3

8 kV/3

### Further technical data

Tightening torque range Nm

0,4...0,6

0,5...0,8

0,5...0,8

1,2...2,0

Torque setting with DMS 2 electric screwdriver

1

2

2

4

### Clampable conductor

solid H07V-U mm<sup>2</sup>

0,5...4

0,5...4

0,5...4

0,5...6

stranded H07V-R mm<sup>2</sup>

1,5...2,5

1,5...2,5

1,5...4

1,5...6

flexible H07V-K mm<sup>2</sup>

0,5...2,5

0,5...2,5

0,5...4

0,5...6

flexible H07V-K and AEH DIN 46 228/1 mm<sup>2</sup>

0,5...1,5

0,5...1,5

0,5...4

0,5...4

flexible H07V-K and AEH with plastic collar mm<sup>2</sup>

0,5...1,5

0,5...1,2

0,5...4

0,5...4

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

0,2...4,0 / A 2

0,2...4,0 / A 2

0,33...4,0 / A 3

0,33...6,0 / A 3

Continuous current rating of cross-connection 2-pole A

A

A

A

A

Continuous current rating of cross-connection multipole A

A

A

A

A

### UL / CSA rated data

Voltage / current / conductor size UL

UL

300 V/20 A/22...12 AWG

300 V/10 A/22...12 AWG

300 V/30 A/22...10 AWG

Voltage / current / conductor size CSA

CSA

300 V/25 A/24...12 AWG

300 V/10 A/22...12 AWG

300 V/40 A/22...10 AWG

### Ordering data

#### Version

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

2-pole

MK 5/2 KrG **024382** 100

KS 2 KrG<sup>2</sup> **013442** 100

BK 2 KrG **019772** 50

MK 6/2 KrG **062042** 50

3-pole

BK 3 KrG **019782** 50

MK 6/3 KrG **062032** 50

4-pole

KS 4 KrG<sup>2</sup> **014032** 50

BK 4 KrG **019522** 50

MK 6/4 KrG **062022** 20

4-pole

MK 6/4 PA **062026** 20

6-pole

KS 6 KrG<sup>2</sup> **014062** 50

BK 6 KrG **019532** 50

MK 6/6 KrG **062012** 20

6-pole

MK 6/6 PA **062016** 20

8-pole

8-pole

10-pole

KS 10 KrG<sup>2</sup> **014162** 20

12-pole

Cover

D 2 (for KS 2) **013450** 100

BK 12 KrG **019892** 50

12-pole

D 2 (for MK 5/2) **024406** 50

D 4 (for KS 4) **014050** 50

D 6 (for KS 6) **014080** 50

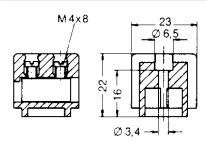
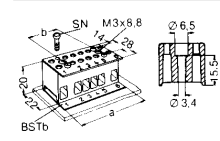
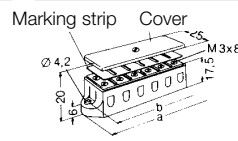
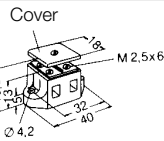
D 10 (for KS 10) **014180** 20



Cover D 2  
(for MK 5/2)



Cover D 4  
(for KS 4)



Dimensions		
Type	a	b
KS 2	42	32
KS 4	66	56
KS 6	90	80
KS 10	138	128

Dimensions		
Type	a	b
BK 2	20	-
BK 3	31	11
BK 4	38	18
BK 6	52	32
BK 12	92	72,5

Dimens. Length/attachment dim			
Type	Length	KRG	PA
MK 6/2	23,5		
MK 6/3	36,5	13	
MK 6/4	49,5	26	26
MK 6/6	75,5	25	52

### Expansion rivet

SN **020010** 500

### Marking strips

Printed

1 ...

ELSb 2 **014320** 50

ELSb 4 **014330** 50

ELSb 6 **014340** 50

ELSb 10 **014350** 50

BSTb 28/2 **020360** 50

BSTb 28/3 **020380** 50

BSTb 28/4 **019730** 50

BSTb 28/6 **019750** 50

BSTb 28/12 **019880** 50

BSTb 28/6 **030460** 50

Unprinted

ELSo 2 **014280** 50

ELSo 4 **014290** 50

ELSo 6 **014300** 50

ELSo 10 **014310** 50

BSTo 28/2 **020350** 50

BSTo 28/3 **020370** 50

BSTo 28/4 **019720** 50

BSTo 28/6 **019740** 50

BSTo 28/12 **019870** 50

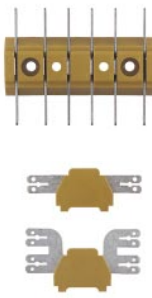
1) Projecting length = 1 mm. To be considered for the last terminal in a row!  
Printed on top on request

2) Please order cover and marking strips separately.

**MDM 10/1**



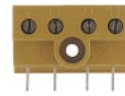
**MF 1/6...1/12**



**SLS 2/2**



**SLS 2/4**



Max. Technical Data

**Dimensions**

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

**VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1**

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

**Further technical data**

Tightening torque range

Torque setting with DMS 2 electric screwdriver

**Clampable conductor**

solid H07V-U

stranded H07V-R

flexible H07V-K

flexible H07V-K and AEH DIN 46 228/1

flexible H07V-K and AEH with plastic collar

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

Continuous current rating of cross-connection 2-pole

Continuous current rating of cross-connection multipole

**UL / CSA rated data**

Voltage / current / conductor size

Voltage / current / conductor size

**Ordering data**

**Attachment bracket**

**Small partition**

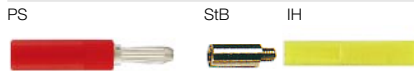
**Cross-connection**



**Switchable cross-connection link**



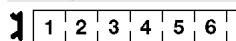
**Test plug/Socket/Insulation sleeve**



**Cover/marking strips**



**Marking material**



Consecutive horizontal

Consecutive vertical

63 A / 10 mm<sup>2</sup>

10/45/34,5

12 mm/M 4/5,5 x 1,0

800 V/57 A/10 mm<sup>2</sup>

8 kV/3

1,2...2,4

4

1,5...16

1,5...10

1,5...10

1,5...10

1,5...10

1,5...16 / B 6

47

36

600 V/65 A/22...6 AWG

600 V/55 A/22...6 AWG

Type	Cat. No.	Qty.
MDM 10/1	<b>912616</b>	50

Direct mounting with an MB left and MB right

MB left	<b>912526</b>	20
MB right	<b>912536</b>	20
BS M 4 x 20	<b>036280</b>	100
SS M 4	<b>013640</b>	100

TSch 1	<b>031916</b>	100
--------	---------------	-----

Q 2	<b>045710</b>	50
Q 3	<b>045720</b>	50
Q 4	<b>045730</b>	50
Q 10	<b>045740</b>	20

VL 2	<b>013590</b>	50
VH 19	<b>028510</b>	50
BS M 3 x 25	<b>029250</b>	100

SiB 14	<b>016990</b>	50
PS 4	<b>029960</b>	20

AD 4	<b>017860</b>	50
BSK M 3 x 22	<b>012890</b>	100

FW 6	<b>046866</b>	500
FS 6	<b>046876</b>	500

See table below

-

400 V/16 A/2,5/1 mm<sup>2</sup>

6 kV/3

-

-

-

300 V/10 A/24...12 AWG

300 V/10 A/22...10 AWG

Type	Cat. No.	Qty.
MF 1/6 KrG <sup>2)</sup>	<b>047972</b>	100
MF 1/6 KrG <sup>3)</sup>	<b>048002</b>	100
MF 1/8 KrG <sup>2)</sup>	<b>047982</b>	50
MF 1/8 KrG <sup>3)</sup>	<b>048012</b>	50
MF 1/12 KrG <sup>2)</sup>	<b>047992</b>	50
MF 1/12 KrG <sup>3)</sup>	<b>048022</b>	50

See below

8 mm/M 3,5/4,0 x 0,8

400 V/16 A/4 mm<sup>2</sup>

6 kV/3

0,8...1,6

3

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.33...4.0 / A 3

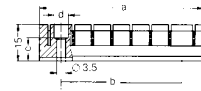
Screw/plug 6,3 x 0,8

Type	Cat. No.	Qty.
SLS 2/2 KrG	<b>021342</b>	100

SLS 2/4 KrG

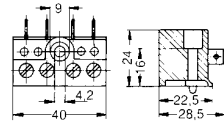
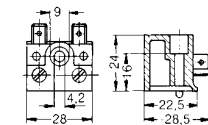
SLS 2/4 KrG

Slotted



Dimensions

Type	a	b	c	d
MF 1/6	52	34	9,5	6,5
MF 1/8	68	50	9,5	6,5
MF 1/12 113 <sup>+0.5</sup>	102	8	7,5	



IH 2.8	<b>038606</b>	100
IH 6.3	<b>038626</b>	100
SN	<b>020010</b>	500

BSTb 10/6	<b>024090</b>	50
BSTb 10/8	<b>024110</b>	50
BSTb 10/12	<b>020950</b>	50

BSTo 10/6	<b>024080</b>	50
BSTo 10/8	<b>024100</b>	50
BSTo 10/12	<b>020940</b>	100

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

<sup>2)</sup> Single tab  
<sup>3)</sup> Double tab



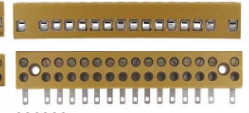
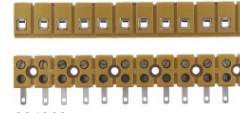
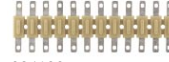
**Multipole terminal blocks**  
**Screw, solder, tab connection**

**MKL 2/12**

**MF 2/12**

**MKL 3/12**

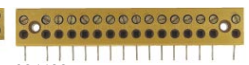
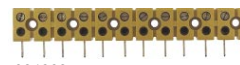
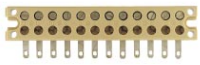
**MKL 4/16**



024186

024362

026202



024176

024992

024432

**Dimensions**

Width / length / height (mm)

88/23/15

75/24/6

110/23/16

103/24/16,5

Insulation stripping length/clamping screw/screwdriver blade

5 mm/M 2,5/3,5 x 0,6

5 mm

5mm/M 2,5/3,5 x 0,6

5mm/M 2,5/3,5 x 0,6

**Rated data**

Rated voltage/rated current/rated cross-section

125 V/20 A/2,5/1,5/1 mm<sup>2</sup>

63 V/17,5 A/1,5/1 mm<sup>2</sup>

400 V\*/20 A/2,5/1,5/1 mm<sup>2</sup>

400 V/20 A/2,5/1,5/1 mm<sup>2</sup>

Rated impulse voltage VDE 0110/1.89/Pollution severity

2,5 kV/3

1,5 kV/3

6 kV/3

6 kV/3

**Further technical data**

Tightening torque range

Nm

0,4...0,6

0,4...0,6

0,4...0,6

Torque setting with DMS 2 electric screwdriver

1

1

1

**Clampable conductor**

solid H07V-U

mm<sup>2</sup>

0,5...2,5

0,5...4

0,5...4

stranded H07V-R

mm<sup>2</sup>

1,5...2,5

1,5...2,5

1,5...2,5

flexible H07V-K

mm<sup>2</sup>

0,5...2,5

0,5...2,5

0,5...2,5

flexible H07V-K and AEH DIN 46 228/1

mm<sup>2</sup>

0,5...2,5

0,5...1,5

0,5...1,5

flexible H07V-K and AEH with plastic collar

mm<sup>2</sup>

0,5...2,5

0,5...1,5

0,5...1,5

Max. Clamping Range in mm<sup>2</sup> / Gauge pin to IEC 947-1/1988 Size

0,2...2,5 / A 2

0,33...4,0 / A 2

0,33...4,0 / A 2

Continuous current rating of cross-connection 2-pole

A

Continuous current rating of cross-connection multipole

A

**UL / CSA rated data**

Voltage / current / conductor size

UL

300 V/10 A/24...12 AWG

300 V/25 A/22...12 AWG

300 V/25 A/22...12 AWG

Voltage / current / conductor size

CSA

300 V/10 A/24...12 AWG

300 V/25 A/22...12 AWG

150 V/15 A/22...12 AWG

**Ordering data**

**Version**

Horizontal

2-pole

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Other numbers of poles available on request

4-pole

MKL 3/2 KrG **027492\*\*** 100

6-pole

MKL 3/4 KrG **027512\*\*** 100

12-pole

MKL 2/12 PA **024136** 50

MKL 3/6 KrG **027532\*\*** 50

16-pole

MKL 3/12 KrG **024362\*\*** 20

MKL 4/16 KrG **026202**) 20

Vertical

2-pole

MKL 3/2 KrG **027602\*** 100

Other numbers of poles available on request

4-pole

6-pole

MKL 3/6 KrG **027642\*** 50

12-pole

MKL 3/12 KrG **024992\*** 20

16-pole

MKL 4/16 KrG **024432** 20

double-sided 2.8 x 0.8

single-sided 0.8 x 1.6/2.8 x 0.8

MF 2/12 PA **024186** 50

MF 2/12 PA **024176** 50

\* For terminals mounted directly next to each other, the rated voltage is reduced to 250 V.

\*\* Rated voltage 250 V. For terminals mounted directly next to each other, the rated voltage is reduced to 125 V.

**Expansion rivet/insulating sleeve**

SN **020010** 500

IH 2.8 **038606** 100

IH

**Marking strips**

Printed

BSTb 28/12 **024570** 50

BSTb 28/4 **028980** 50

BSTb 28/16 **026220** 50

1 ...

Bottom

BSTb 28/6 **029000** 50

unten

Top **027850** 50

BSTb 28/12 **024590** 50

oben **027870** 50

unbedruckt

BSTo 28/12 **024560** 50

BSTo 28/4 **028930** 50

BSTo 28/16 **026210** 50

BSTo 28/6 **028950** 50

BSTo 28/12 **024580** 50

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

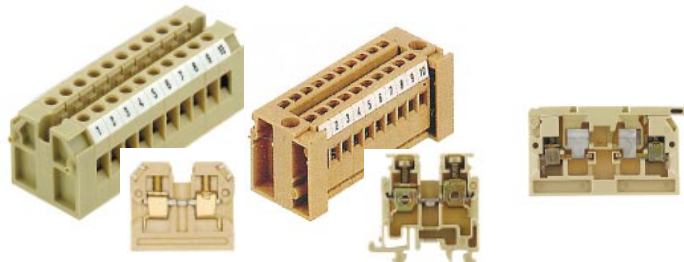
) Rated voltage 250 V












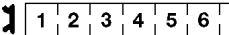
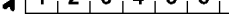
**Multipole terminal blocks**  
**Screw, solder, tab connection**  
**Modular design**

**AKB 4**

**AKZ 2.5**

**ASK 1**



Max. Technical Data		32 A / 4 mm <sup>2</sup>		26 A / 2,5 mm <sup>2</sup>		8/58/30,5	
<b>Dimensions</b>							
Width / length / height (mm)		6/27/23		5/25,5/22,6		8/58/30,5	
Insulation stripping length/clamping screw/screwdriver blade		9 mm/M 3/3,5 x 0,6		7 mm/M 2,5/3 x 0,5		9 mm/M 3/3,5 x 0,6	
<b>VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1</b>							
Rated voltage / current / cross-section		400 V/32 A/4 mm <sup>2</sup>		250 V/24 A/2,5 mm <sup>2</sup>		500 V/6,3 A <sup>1</sup> /4 mm <sup>2</sup>	
Rated impulse voltage VDE 0110/1.89/Pollution severity		6 kV/3		4 kV/3		6 kV/3	
<b>Further technical data</b>							
Tightening torque range	Nm	0,5...1,0		0,4...0,7		0,5...1,0	
Torque setting with DMS 2 electric screwdriver		2		1		2	
<b>Clampable conductor</b>							
solid H07V-U	mm <sup>2</sup>	0,5...4		0,5...4		0,5...4	
stranded H07V-R	mm <sup>2</sup>	1,5...4		1,5...2,5		1,5...4	
flexible H07V-K	mm <sup>2</sup>	0,5...4		0,5...2,5		0,5...4	
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...4		0,5...2,5		0,5...2,5	
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>	0,5...4		0,5...2,5		0,5...2,5	
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988	Size	0.33...4.0 / A3		0.13...4.0 / A3		0.13...4.0 / A3	
Continuous current rating of cross-connection 2-pole	A	20		10		(QB 2...4) 10	
Continuous current rating of cross-connection multipole	A	20		10			
<b>UL / CSA rated data</b>							
Voltage / current / conductor size	UL	300/250 V/27 A/22...12 AWG		300 V/10 A/26...10 AWG		300 V/6,3 A/26...12 AWG	
Voltage / current / conductor size	CSA	300 V/10 A/22...12 AWG		300 V/10 A/26...10 AWG		300 V/6,3 A/26...12 AWG	
<b>Ordering data</b>							
	PA	AKB 4 PA <b>032156</b> 100		AKZ 2.5 <b>069716</b> 100		ASK 1 PA <b>037696</b> 100	
	Blue PA	<b>032158</b> 100		AKZ 2.5 <b>069718</b> 100			
		Direct mounting with BB 1, please order separately		Direct mounting with BB 1, please order separately		(for G fuse inserts 5x 20 without indicator)	
<b>End plate/attachment bracket</b> (thickness mm)							
	AP	BB 1 (7) <b>032056</b> 50		BB 4 (7,5) <b>069756</b> 50			
	PA	BS M 3 x 15 <b>035900</b> 100					
	Blue PA			AP (2,5) <b>069736</b> 50		AP (1,5) <b>038036</b> 20	
				AP (2,5) <b>069738</b> 50			
<b>Partition</b> (Thickness mm)							
		TW PA (0,5) <b>034826</b> 50					
<b>Small partition</b>							
		TSch 4 <b>036336</b> 100					
<b>Cross-connection</b>							
	Q 3	Q 2 <b>033640</b> 50		Q 2 <b>036820</b> 50		QB 2 <sup>1)</sup> <b>046110</b> 50	
		Q 3 <b>033650</b> 50		Q 3 <b>036830</b> 50		QB 3 <sup>1)</sup> <b>046120</b> 50	
		Q 4 <b>033660</b> 50		Q 4 <b>036840</b> 50		QB 4 <sup>1)</sup> <b>046130</b> 50	
		Q 10 <b>036860</b> 20		Q 10 <b>036850</b> 20			
<b>Switchable cross-connection link</b>							
	VL	VL 2 <b>044670</b> 50					
	BS	VH 10 <b>044660</b> 50					
	VH	BS M 2,5 x 14 <b>026680</b> 100					
<b>Test plug/Socket</b>							
	PS	StB 8.5 <b>021570</b> 50		StB 8.5 <b>021570</b> 50			
	StB	PS 2.3 <b>018040</b> 20		PS 2.3 <b>018040</b> 20			
<b>Cover/Diode plug</b>							
		AD 4 <b>030340</b> 50					
	contact sleeve	BSK M 2,5x18 <b>030330</b> 100				contact sleeve <b>055330</b> 100	
<b>Marking strips</b>							
	Consecutive horizontal	FW 6 <b>046866</b> 500		FW 5 <b>047346</b> 500		FW 6.5 <b>046816</b> 500	
	Consecutive vertical	FS 6 <b>046876</b> 500		FS 5 <b>047356</b> 500		FS 6.5 <b>046826</b> 500	

For further accessories see section 3, further marking material see section 8

<sup>1)</sup> The conductor cross-section is reduced to max. 2.5 mm<sup>2</sup> when QB is used

\* With contact sleeve 19 A

**Feed-through terminals**  
**Screw connection**

**Solder connection**

**Tab connection**

**Spring clip connection** iaw. DIN 41 611 Part 4

**Wrap connection** iaw. DIN/IEC 352 Part 1

**AKA 2.5**

**ADK 1**

**ADK 1 F**  
**ADK 3 F**

**ADK 1 S**



**Dimensions**

Width / length / height incl. pins (mm)	6/20/31	6/22/36,5	6/22/36,5	6/22/36,5
Length solder tag/pin (mm)	7,8	8,4	8,5/7,5	8,4
Insulation stripping length/clamping screw/screwdriver blade	9 mm/M 2,5/3,5 x 0,6	9 mm/M 3,5/3,5 x 0,6	11 mm/M 2,5/3,5 x 0,6	-
<b>Rated data</b>				
Rated voltage/rated current/rated cross-section	400 V/20 A/2,5/1,5 mm <sup>2</sup>	400 V/16 A/4/1,5 mm <sup>2</sup>	400 V/20 A/2,5/1,5 mm <sup>2</sup>	400 V/16 A/2,5/1,5/1 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
<b>Further technical data</b>				
Tightening torque range	Nm 0,4...0,6	0,5...1,0	0,4...0,7	-
Torque setting with DMS 2 electric screwdriver	1	2	1	-
<b>Clampable conductor</b>				
solid H07V-U	mm <sup>2</sup> 0,5...2,5	0,5...4	0,5...2,5	-
stranded H07V-R	mm <sup>2</sup> 1,5...2,5	1,5...4	1,5...2,5	-
flexible H07V-K	mm <sup>2</sup> 0,5...2,5	0,5...4	0,5...2,5	-
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup> 0,5...1,5	0,5...2,5	0,5...1,5	-
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup> 0,5...1,5	0,5...2,5	0,5...1,5	-
Max. Clamping Range in mm <sup>2</sup> / Gauge pin to IEC 947-1/1988 Size	0.13...2.5 / A2	0.13...2.5 / A3	0.13...2.5 / A2	0.5...2.5 / -

Continuous current rating of cross-connection 2-pole	A 3	A 10	-	A 3
Continuous current rating of cross-connection multipole	A 10	10	-	-

**UL / CSA rated data**

Voltage / current / conductor size	UL 300 V/20 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/20 A/26...14 AWG	300 V/18 A/12 AWG max.
Voltage / current / conductor size	CSA 300 V/10 A/24...12 AWG	300 V/15 A/26...12 AWG	300 V/15 A/22...14 AWG	300 V/3 A/-

**Ordering information**

Version	for sheet metal mm:	1,5	Qty.	1,5	Qty.	2,5	Qty.	1,5	Qty.	2,5	Qty.	1,5	Qty.	2,5	Qty.
PA		<b>030072</b>	100												
KrG						<b>030386</b>	100	<b>030106</b>	100	<b>047606</b>	100	<b>047866</b>	100		
EP										<b>035990</b>	100				
Pin 0,6x0,6															
Pin 1,0x1,0															
Pin 0,8x1,6															
FS 1x6,3 slotted/0,8x2,8												<b>047616</b>	100	<b>047856</b>	100
12-pole PA															

End plate (thickness mm)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
	KrG	AP (3)	<b>016252</b>	100									
	PA				AP (3)	<b>047626</b>	50	AP (3)	<b>047626</b>	50	AP (3)	<b>047626</b>	50
	EP							AP (3)	<b>036000</b>	20			

Spacer (thickness mm)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	KrG	ZP (1,5)	<b>024072</b>	50								
	KrG	ZP (2,5)	<b>028852</b>	20								

Partition (thickness mm)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	TW				TW (0,5)	<b>044230</b>	50	TW (0,5)	<b>044230</b>	50	TW (0,5)	<b>044230</b>

Test plug/Socket	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	PS											
	SiB											
					PS 2.3	<b>018040</b>	20					

Fuse pin/insulation sleeve/expansion rivet	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	SST 1.2	<b>030660</b>	-	SST 1.2	<b>030660</b>	-	SST 1.2	<b>030660</b>	-	SST 1.2	<b>030660</b>	-
				IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
										IH 6.3	<b>038626</b>	100

Marking tags	Print	FW 6	Qty.	FW 6	Qty.	FW 6	Qty.	FW 6	Qty.
	Consecutive horizontal	<b>046866</b>	500	<b>046866</b>	500	<b>046866</b>	500	<b>046866</b>	500
	Consecutive vertical	<b>046876</b>	500	<b>046876</b>	500	<b>046876</b>	500	<b>046876</b>	500

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

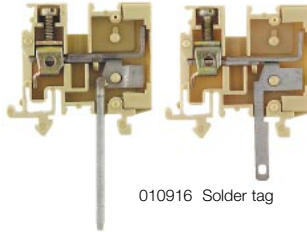
**ADK 3 W**



**ADK 1 T**



**AKZ 2.5 K**

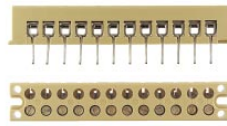


010916 Solder tag

**ADK 1 FT**



**MK 2/12**



ADK 3 W			ADK 1 T			AKZ 2.5 K			ADK 1 FT			MK 2/12		
6/22/57,5			6/22/50,5			5/26/45,5			6/22/52			86/15/23		
8,4/21			19,5...21,9			22,4...23,6			24			8		
-			9 mm/M 3/3,5 x 0,6			7 mm/M 2,5/3,0 x 0,5			11 mm/M 2,5/3,5 x 0,6			5		
250 V/8 A/1,5 mm <sup>2</sup>			400 V/8 A/4 mm <sup>2</sup>			250 V/8 A/2,5 mm <sup>2</sup>			250 V/10 A/2,5 mm <sup>2</sup>			63 V/20 A/2,5/1,5 mm <sup>2</sup>		
4 kV/3			6 kV/3			4 kV/3			4 kV/3			1,5 kV/3		
-			0,5...1,0			0,4...0,7			0,4...0,7			0,4...0,6		
-			2			1			1			1		
-			0,5...4			0,5...2,5			0,5...2,5			0,5...2,5		
-			1,5...4			1,5...2,5			1,5...2,5			1,5...2,5		
-			0,5...4			0,5...2,5			0,5...2,5			0,5...2,5		
-			0,5...2,5			0,5...2,5			0,5...1,5			0,5...2,5		
-			0,5...2,5			0,5...2,5			0,5...1,5			0,5...2,5		
-			0.13...4.0 / A3			0.13...2.5 / A2			0.33...2.5 / A2			0.2...2.5 / A2		
-			10			10			-					
-			300/250 V/10 A/26...12 AWG			300/250 V/10 A/22...12 AWG			-			300 V/10 A/24...12 AWG		
300 V/15 A/-			300 V/15 A/26...12 AWG			300 V/10 A/26...10 AWG			300 V/3 A/22...14 AWG			300 V/10 A/24...12 AWG		
<b>1,5</b>	Qty.		<b>1,5</b>	Qty.	<b>2,5</b>	Qty.	<b>1,5</b>	Qty.	<b>1,5</b>	Qty.	<b>2,5</b>	Qty.	Cat. No.	Qty.
							<b>010916</b>	Solder tag						
			<b>052146</b>	100	<b>051766</b>	100								
<b>035980</b>	100		<b>037236</b>	100	<b>037226</b>	100	<b>010896</b>	100	<b>017696</b>	100	<b>017706</b>	100		
			<b>036636</b>	100	<b>036626</b>	100	<b>010906</b>	100						
													<b>024146</b>	50
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.			
AP (3)	<b>036000</b>	20	AP (3)	<b>047626</b>	50	AP (3)	<b>069726</b>	50	AP (3)	<b>047626</b>	50			
TW (0,5)	<b>044230</b>	50	TW (0,5)	<b>044230</b>	50	TW (1,5)	<b>031856</b>	20	TW (0,5)	<b>044230</b>	50			
			PS 2.3	<b>018040</b>	20	PS 2.3	<b>018040</b>	20						
						SiB 8.5	<b>021570</b>	50						
SST 1.2	<b>030660</b>	-	SST 1.2	<b>030660</b>	-				SST 1.2	<b>030660</b>	-			
IH 2.8	<b>038606</b>	100				IH 2.8	<b>038606</b>	100						
FW 6	<b>046866</b>	500	FW 6	<b>046866</b>	500	FW 5	<b>047346</b>	500	FW 6	<b>046866</b>	500	BSTb 28/12	<b>024570</b>	50
FS 6	<b>046876</b>	500	FS 6	<b>046876</b>	500	FS 5	<b>047356</b>	500	FS 6	<b>046876</b>	500	BSTo 28/12	<b>024560</b>	50

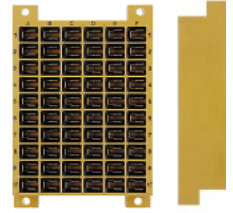
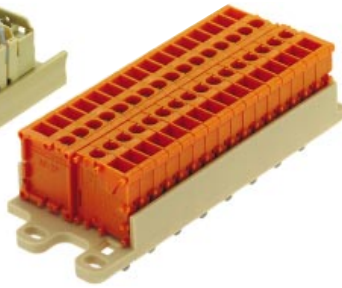
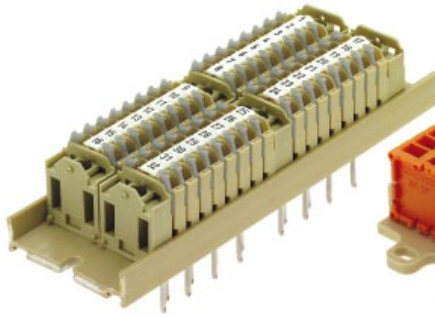
**Rack mounted interface system**

**DSG 1.5 T/32**

**TOP 1.5 F/32**

**SP 10 FF<sup>2)</sup>  
SP 10 LF<sup>3)</sup>**

**SP 60 FF<sup>2)</sup>  
SP 60 LF<sup>3)</sup>**



**Dimensions**

Width / length / height (mm)		40,5/128,4/43	40,2/110,6/29,5	42/46,5/170/28	40/45,5/162,5/110
Hole spacing/attachment dimensions	mm	122,4	101,6/20,3	147	151/90
Insulation stripping length/clamping screw/screwdriver blade		12 mm	10 mm/M 2,5/3,5 x 0,6		
<b>Rated data</b>					
Rated voltage/rated current/rated cross-section		250 V/10 A/1,5 mm <sup>2</sup>	250* V/6 A/1,5/1 mm <sup>2</sup>	1000* V/16 A/2,5/1,5 mm <sup>2</sup>	400* V/16 A/2,5/1,5 mm <sup>2</sup>
Rated impulse voltage VDE 0110/1.89/Pollution severity		4 kV/3	4 kV/3	6 kV/3	6 kV/3
<b>Further technical data</b>					
Tightening torque range	Nm		0,4...0,7		
Torque setting with DMS 2 electric screwdriver			1		
<b>Clampable conductor</b>					
solid H07V-U	mm <sup>2</sup>	0,5...2,5	0,5...2,5		
stranded H07V-R	mm <sup>2</sup>	1,5	1,5		
flexible H07V-K	mm <sup>2</sup>	0,5...1,5	0,5...1,5		
flexible H07V-K and AEH DIN 46 228/1	mm <sup>2</sup>	0,5...1,5	0,5...1,5		
flexible H07V-K and AEH with plastic collar	mm <sup>2</sup>	0,5...1,5	0,5...1,5		
Plug gauge according to 947-1	Size	A1	A1		

Continuous current rating of cross-connection 2-pole	A				
Continuous current rating of cross-connection multipole	A				

**UL / CSA rated data**

Voltage / current / conductor size	UL	-	-	300/250 V/10 A/-	300/250 V/10 A/-
Voltage / current / conductor size	CSA	-	-	-	-

**Ordering data**

	Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Pin 1.0 x 1.0	PA				TOP 1.5 F/32	<b>044316<sup>1)</sup></b>	5						
Pin 0.8 x 2.8 (push-on), unprinted	PA				TOP 1.5 F/32	<b>026536</b>	10						
Pin 0.8 x 2.8 (push-on), printed, 1...32	PA				TOP 1.5 F/32	<b>030156</b>	10						
Pin 0.8 x 2.8 (push-on), printed, 1...32, blue	PA				TOP 1.5 F/32	<b>030158</b>	10						
6 x plug (6.3 x 0.8)	KrG							SP 10 FF	<b>045622</b>	10	SP 60 FF <sup>4)</sup>	<b>034032</b>	1
6 x plug (6.3 x 0.8), blue	KrG										SP 60 FF <sup>4)</sup>	<b>034037</b>	1
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted	KrG										SP 60 FF <sup>4)</sup>	<b>060902</b>	1
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted, blue	KrG												
3 x plug (6.3 x 0.8)/1 x solder per pole	KrG							SP 10 LF	<b>048052</b>	10	SP 60 LF <sup>4)</sup>	<b>034372</b>	1
3 x plug (6.3 x 0.8)/1 x solder per pole, blue	KrG										SP 60 LF <sup>4)</sup>	<b>034377</b>	1
3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder	KrG										SP 60 LF <sup>5)</sup>	<b>012452</b>	1
3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder, blue	KrG										SP 60 LF <sup>5)</sup>	<b>012457</b>	1
2 x direct connection, 1 x pin 0.8 x 1.6	PA	DSG 1.5 T/32	<b>063086</b>	5									

printed:  
<sup>4)</sup> A...F / 1...10  
<sup>5)</sup> 00...50 / 1...10

**Insulation sleeve**

	Type	Best-Nr.	Qty.	Type	Best-Nr.	Qty.	Type	Best-Nr.	Qty.	Type	Best-Nr.	Qty.
				IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100	IH 2.8	<b>038606</b>	100
							IH 6.3	<b>038626</b>	100	IH 6.3	<b>038626</b>	100

**Marking tags**

	Print	Type	Best-Nr.	Qty.	Type	Best-Nr.	Qty.
dekafix	For group markers	FW 5	<b>047346</b>	500	FW 5	<b>047346</b>	500

For further accessories see section 3, further marking material see section 8

\* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

<sup>1)</sup> Rated voltage 125 V

<sup>2)</sup> FF=Tab - Tab

<sup>3)</sup> LF=Solder - Tab

SP 90 FF<sup>2)</sup>  
 SP 90 LF<sup>3)</sup>



40/45,5/228,5/110  
 217/90

400\* V/16 A/2,5/1,5 mm<sup>2</sup>  
 6 kV/3

300/250 V/10 A/-

Type Cat. No. Qty.

SP 90 FF**	<b>024812</b>	1
SP 90 FF**	<b>024817</b>	1
SP 90 FF**	<b>060892</b>	1
SP 90 FF**	<b>060897</b>	1
SP 90 LF**	<b>024822</b>	1
SP 90 LF**	<b>024827</b>	1

Print:  
 \*\* A...F / 1...15

Type	Cat. No.	Qty.
IH 2.8	<b>038606</b>	100
IH 6.3	<b>038626</b>	100

<sup>2)</sup> FF = Tab - Tab  
<sup>3)</sup> LF = Solder - Tab

## Rack mounted interface system



RV 8/8 long



RV 8/8 short



RV 8/9 long



RV 8/9 short



### Technical data according to VDE

#### Pin versions (internal)

0,8 x 2,4/1 x 1  
0,8 x 2,4/0,8 x 2,4

#### Plug adapter



1-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm<sup>2</sup> directly on to the pins of the interface system.

125 V~/~		
Cat. No.	Qty.	
046886	1	
046896	1	

Type	Cat. No.	Qty.
DSA 1	057606	50

125 V~/~		
Cat. No.	Qty.	
046716	1	
046726	1	

Type	Cat. No.	Qty.
DSA 1	057606	50

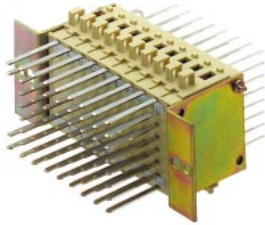
105 V~/~		
Cat. No.	Qty.	
049896	1	
049906	1	

With shield pins		
Type	Cat. No.	Qty.
DSA 1	057606	50

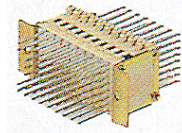
125 V~/~		
Cat. No.	Qty.	
044406	1	
054596	1	

With shield pins		
Type	Cat. No.	Qty.
DSA 1	057606	50

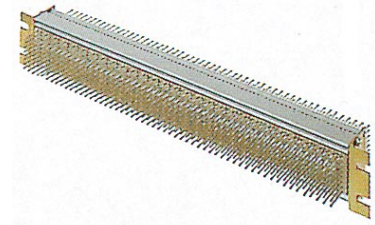
RV 4/9 short



RV 8/20 short



RV 8/56 short



### Technical data according to VDE

#### Pin versions (internal)

0,8 x 2,4/1 x 1  
0,8 x 2,4/0,8 x 2,4

#### Plug adapter



1-pole

8-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm<sup>2</sup> directly on to the pins of the interface system.

Additional versions available on request

125 V~/~		
Cat. No.	Qty.	
137896	1	
138296	1	

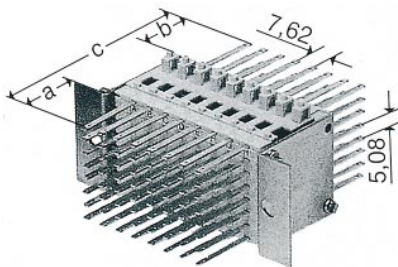
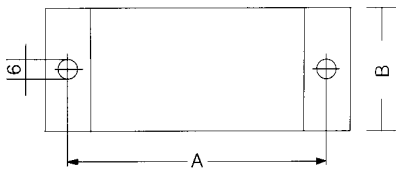
With potential compensation		
Type	Cat. No.	Qty.
DSA 1	057606	50
DSA 1/8	014076	40

125 V~/~		
Cat. No.	Qty.	
011936	1	
054446	1	

Type	Cat. No.	Qty.

125 V~/~		
Cat. No.	Qty.	
046226	1	
053306	1	

Type	Cat. No.	Qty.



Type	Size A	Size B
	in mm	in mm
RV 8/8 K	81	40,64
RV 8/9 K	89	40,64
RV 8/8 L	93	40,64
RV 8/9 L	100	40,64
RV 8/20 K	187,62/31,5	63
RV 8/56 K	460/31,5	63

(K = short/L = long)

Bestell.-Nr.	RV	a	b	c
046886	8/8 L	26	20	200
046896	8/8 L	26	26	206
049896	8/9 L	26	20	200
049906	8/9 L	26	26	206
046716	8/8 K	26	20	84
046726	8/8 K	26	26	89
044406	8/9 K	26	20	84
054596	8/9 K	26	26	89
011936	8/20 K	26	20	84
054446	8/20 K	26	26	89
046226	8/56 K	26	20	84
053306	8/56 K	26	26	89
137896	4/9 K	26	20	84
138296	4/9 K	26	26	89

For further accessories see section 3, further marking material see section 8

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