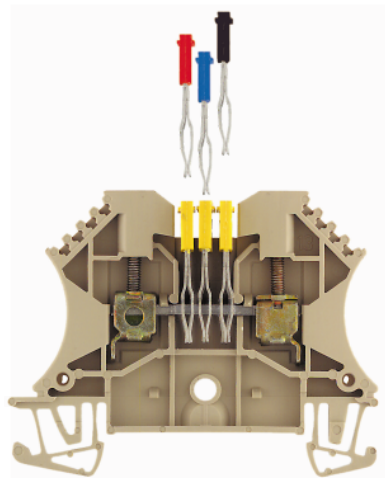
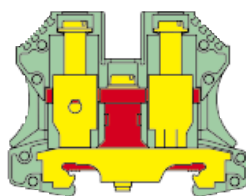


Terminals

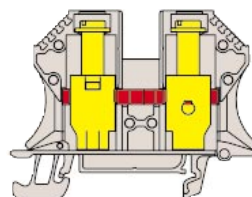
W-Series



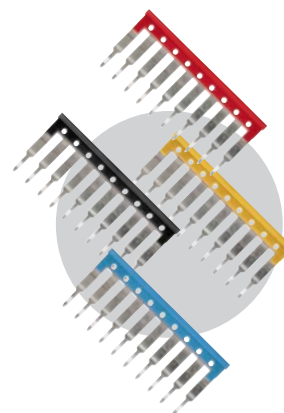
Pluggable cross-connections for
WDU 2.5 Page 2/4



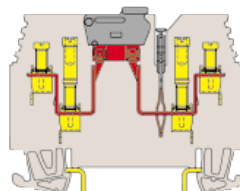
Installation terminal blocks
WPE 35 N Page 2/14



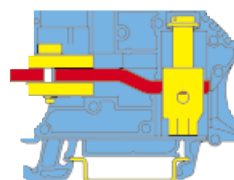
Installation terminal blocks
WDU 35 N Page 2/9



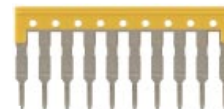
different colour versions
ZQV Cross-connections Page 2/5



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

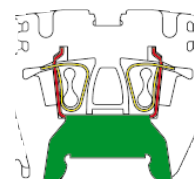
Z- Series Miniblocks in tension clamp technology



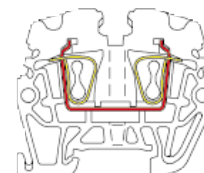
ZDUB 2.5-2 Direct mounting Page 2/57



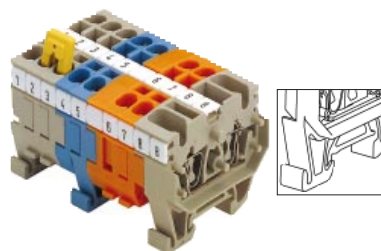
ZDUB 2.5-2 TS15/TS35 Page 2/57



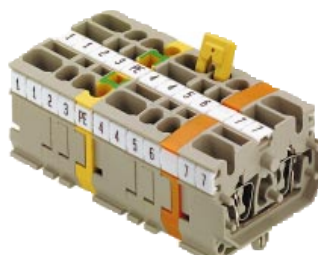
ZPEB 2.5-2/2AN TS15 Page 2/59



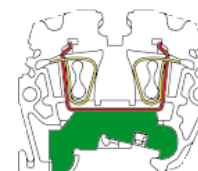
ZDUA 2.5-2 TS15 Page 2/59



ZDUB 2.5-2 TS15 Page 2/57



ZDUB 2.5-2 Rastclip Page 2/57

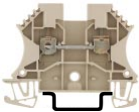


ZPEA 2.5-2 TS15 Page 2/59

Terminals

W Series - Innovative terminals made of inflammable polyamide

Feed-through terminal blocks in Wemid for TS 35



WDU 2.5

Page 2/5



WDU 2.5/10

Page 2/5



WDU 2.5N

Page 2/6



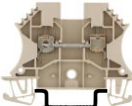
WDU 1.5/ZZ

Page 2/6



WDU 2.5/1.5/ZR

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WDU 2.5

Page 2/6



WDK 2.5

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WDK 2.5

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WDK 2.5 V

Page 2/7



WDK 2.5 DU-PE

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WDK 2.5 E

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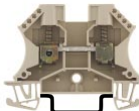
WDU 4

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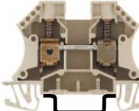
WMA 4/5

Page 2/8



WDU 6

Page 2/8



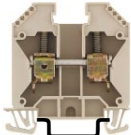
WDU 10

Page 2/8



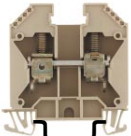
WDU 16N

Page 2/8



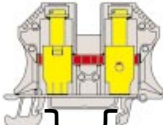
WDU 16

Page 2/9



WDU 16/ZA

Page 2/9



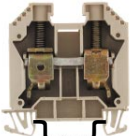
WDU 35N

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WDU 35

Page 2/9



WDU 35/ZA

Page 2/9



WDU 70N

Page 2/9



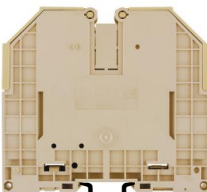
WDU 70/95

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WDU 70/95/...

Page 2/11



WDU 120/150

Page 2/11



WDU 120/150/...

Page 2/11

Tab connection terminals in Wemid for TS 35



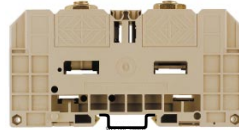
WFF 35

Page 2/12



WFF 70

Page 2/12



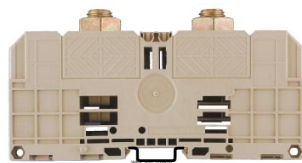
WFF 120

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WFF 185 M 12 / WFF 185 M 16

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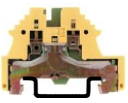
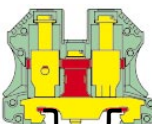
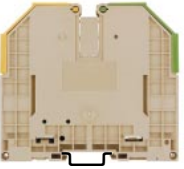


WFF 300

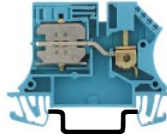
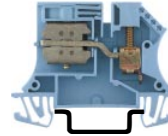
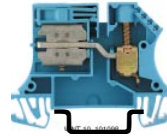
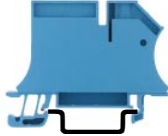
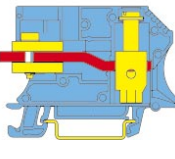
Page 2/13

2/11 Weidmüller

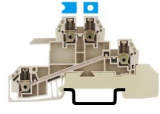
Protective conductor terminal blocks in Wemid for TS 35

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

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

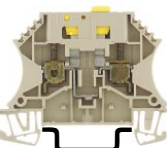
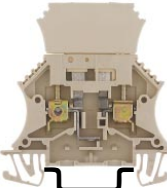
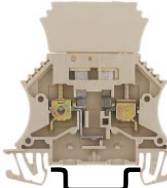
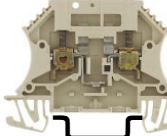
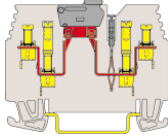
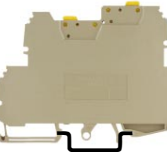
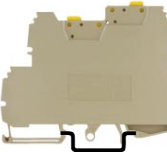
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

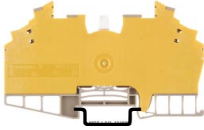
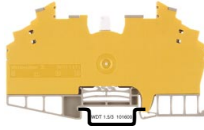
							
WDL 2.5 S/NT/L/PE	WDL 2.5 S/L/L	WDL 2.5 S-Blocks	WDL 2.5 S/N	WDL 2.5 S/L	WDL 2.5 S/N/L	WDL 2.5 S/N/L/PE	WDL 2.5 S/L/L/PE
Page 2/18	Page 2/18	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19

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

						
WDL 2.5 NT/L/PE	WDL 2.5 L/L	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
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

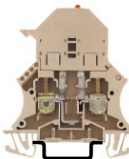
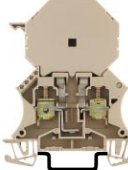
						
WTR 2.5 Take-out disconnect	WTR 2.5 D with diode plug	WTR 2.5 D with diode plug and socket type StB 2.3	WTR 2.5 without breaker	WTR 2.5/ZZ	WDTR 2.5	WDTR 2.5/WE
Page 2/22	Page 2/22	Page 2/22	Page 2/22	Page 2/23	Page 2/23	Page 2/23

					
WDL 2.5TR-DU-PE	WDL 2.5TR-DU	SAKC 4/35	WDT 1.5/1 current measuring	WDT 1.5/2 insulation measuring	WDT 1.5/3 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

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

Fuse terminals in Wemid for TS 35

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

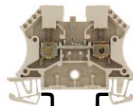
Fuse terminals in Wemid for TS 35

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

Thermocouple terminals


WDU 2.5/TC Types K,T,J,S+R,B,E
Page 2/34

Terminals with plug-in connection WSA

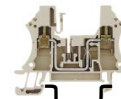


WDU 4 SA

400 V

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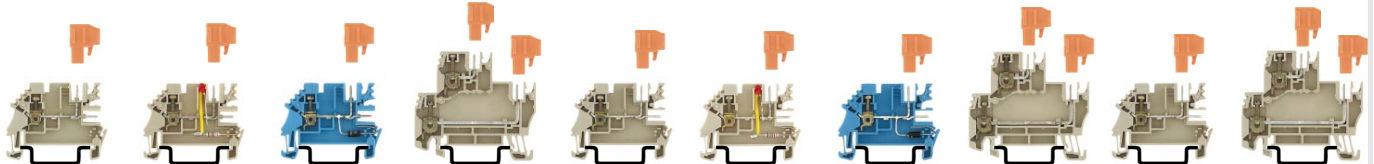
Terminal housing to take electronic components



WPO

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



WDU 1.5/BLA

WDU

WDU 1.5

WDK 2.5

WDU 1.5

WDU 1.5/BLZ/

WDU 1.5/BLZ/

WDK 2.5/BLZ

WDU 2.5/BLZ

WDK 2.5/BLZ

1.5/LD/BLA

R/BLA

BLA R 5.08

BLZ 5.08

LD/5.08

R 5.08

R 5.08

R 7.62

R 7.62

with LED red

blue

250 V

with LED red

blue

250 V

400 V

400 V

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Page 2/36

Page 2/36

Page 2/37

Page 2/37

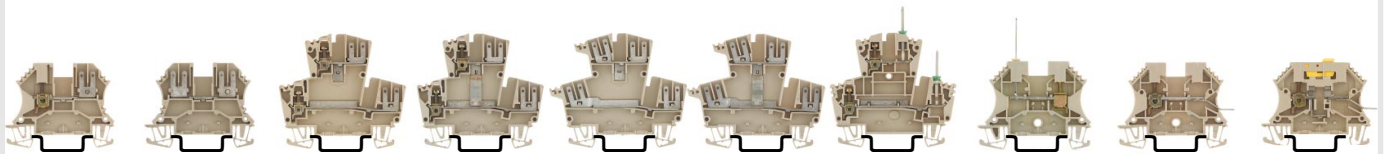
Page 2/37

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



WDU 2.5 F

WDU 2.5 FF

WDK 2.5 F

WDK 2.5 FV

WDK 2.5 FF

WDK 2.5 FFV

WDK 2.5 T

WDU 2.5 T

WDU 2.5 L

WTR 2.5 L

WDK 2.5 TT

WDU 2.5 LL

WTR 2.5 LL

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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

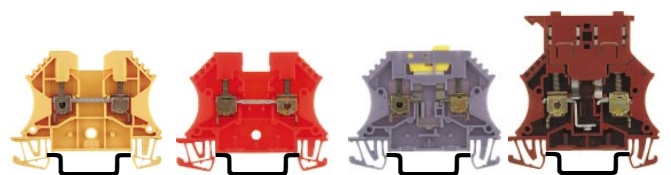
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Page 2/40

Page 2/40

Page 2/40

Terminal blocks coloured



WDU 2.5

WDU 4

WTR 2.5

WSI 6

Page 2/41

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Page 2/41

Terminals

Z Series - Innovative terminals with tension clamp connection

Feed-through terminals in Wemid for TS 35

									
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	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
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
									
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	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			
Page 2/46	Page 2/46	Page 2/46	Page 2/46	Page 2/47	Page 2/47	Page 2/47			

Protective earth terminals in Wemid for TS 35

									
ZPE 2.5-2/3AN	ZPE 2.5-2/4AN	ZPE 2.5	ZPE 2.5/3AN	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
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

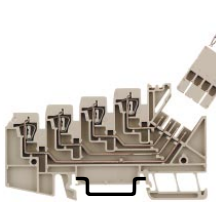
Disconnect test terminals in Wemid for TS 35

			
ZTR 2.5	ZTR 2.5/3 AN	ZTR 2.5/D	ZTR 2.5/3 AN/D
Page 2/50	Page 2/50	Page 2/50	Page 2/50

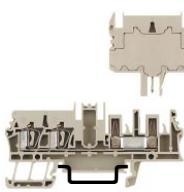
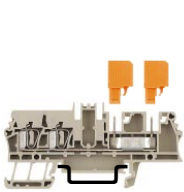
Fuse terminals in Wemid for TS 35

	
ZSI 2.5 for metric fuses	ZSI 2.5/2 for inch fuses
Page 2/51	Page 2/51

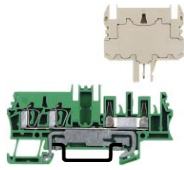
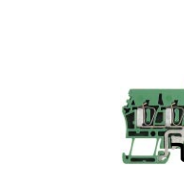
Terminals with plug-in connector

	
ZRV 1.5 mit STGH ZRV 1.5	ZRV 1.5PE mit STGH ZRV 1.5/PE
Page 2/53	Page 2/53

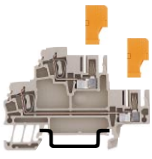
Feed-through terminal with connector socket

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

Protective earth terminal with connector socket

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

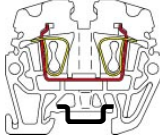
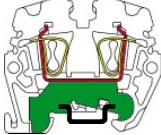
Feed-through terminal with connector socket

	
ZDKS with BLZF	ZDKB with SLZF
Page 2/56	Page 2/56

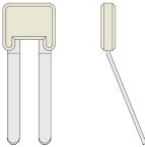
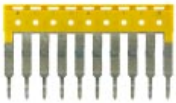
Miniblock terminals

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

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

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

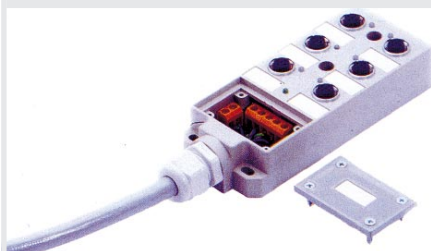
Accessories for the Z Series

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

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

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



DLI 2.5

Page 2/70

DLI 2.5/LD

with LED (NPN)

Page 2/70

DLI 2.5/LD

with LED (PNP)

Page 2/70

DLD 2.5

Page 2/70



DLA 2.5

Page 2/71

DLA 2.5/D

with Diode

Page 2/71

DLA 2.5/LD

with LED

Page 2/71

DLA 2.5/LD/D

with LED+Diode

Page 2/71

DLD 2.5/PE

Page 2/71

Feed-through terminals for initiators and actuators



KDKS 1/PE

Page 2/71

VLI 1.5

Page 2/72

VLI 1.5/PE

Page 2/72

Feed-through terminals for motors



MAK 2.5

Page 2/72

SAK series

Standard feed-through terminals for TS 32

Feed-through terminals in PA 66 for TS 32



SAKD 2.5 N

5 mm width
Page 2/74

SAK 2.5

6 mm width
Page 2/74

SAKD 4

Page 2/74

DK 4 Q

Page 2/74

DK 4 QV

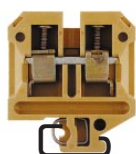
Page 2/75

SAK 6 N

Page 2/75

SAK 10

Page 2/75



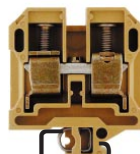
SAK 16

Page 2/75



SAK 35 N

Page 2/76



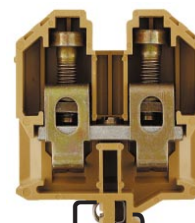
SAK 35

Page 2/76



SAK 70

Page 2/76



SAK 95

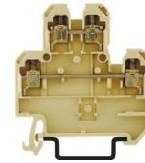
Page 2/76

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

Page 2/80



SAKG 28 III

M 6

Page 2/80



SAKG 32 I

M 8

Page 2/80



SAKG 32 II

M 8

Page 2/80



SAKG 32 II G

M 8

Page 2/81



SAKG 32 III

M 8

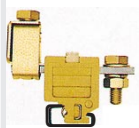
Page 2/81



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

Page 2/81



SAKG 40 III

M 10

Page 2/82



SAKG 46 II

M 12

Page 2/82



SAKG 46 II G

M 12

Page 2/82



SAKG 54 II

M 16

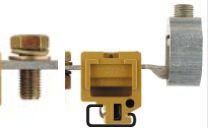
Page 2/82



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

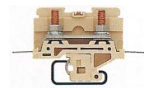
Page 2/85



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

Page 2/87



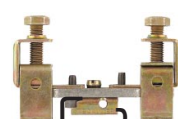
EK 2
10 mm²

Page 2/87



SAKE 35

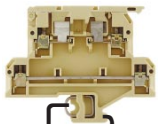
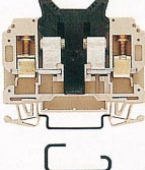
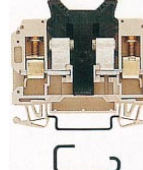
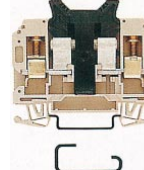
Page 2/87



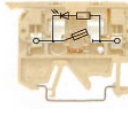
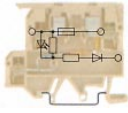
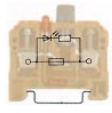
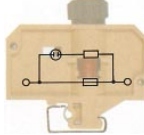
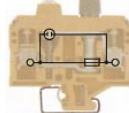
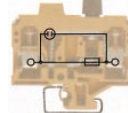
SAKE 70

Page 2/87

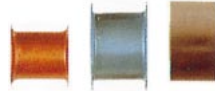
Fuse terminals for TS 32

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

Fuse terminals with indicator

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

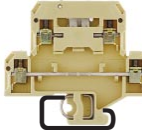
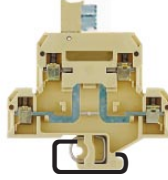
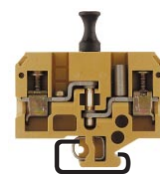
Fuse cartridges and gauge rings for Weidmüller fuse terminals

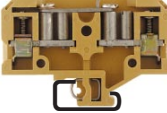
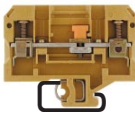
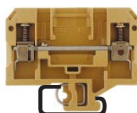
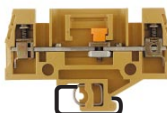
	
Fuse cartridges	gauge rings
Page 2/93	Page 2/93

Pressure connectors for TS 32

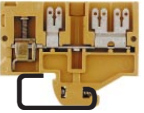
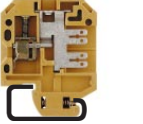
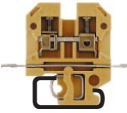
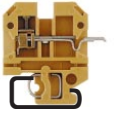
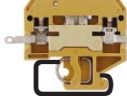
	
SV 2	SV 3
Page 2/94	Page 2/94

Disconnect terminals for TS 32

						
SAKR	SAKR-D	DKT 4	DKT 4 V	ASK 1	SAKC 4 / SAKC 4/35	SAKC 10 / SAKC 10/35
4 mm ²	with diode plug DLS 2				4 mm ²	10 mm ²
Page 2/95	Page 2/95	Page 2/95	Page 2/95	Page 2/95	Page 2/96	Page 2/96

							
SAKA 10	SAKB 10	SAKT 1/LT	SAKT 1/DU 1	SAKT 1/QT 1	SAKT 2/LT	SAKT 4/LT	SAKT 4/DU
		Lateral disconnection	Feed-through	Cross-disconnection	Lateral disconnection		Feed-through
Page 2/96	Page 2/96	Page 2/97	Page 2/97	Page 2/97	Page 2/97	Page 2/98	Page 2/98

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

						
AST 1	AST 3	AST 4	AST 5	SAK 4 S	SAK 4 SS	SAKR F
Page 2/99	Page 2/99	Page 2/99	Page 2/99	Page 2/100	Page 2/100	Page 2/100
						
DK 4 S	DK 4 S	SAK 2.5 T	SAK 2.5 T	SAK 2.5 T		
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		
						
DK 4 T / DK 4 QT	DK 4 T / DK 4 QT	DK 4 T / DK 4 QT	SAKR T	SAK 2.5/M.LS	SAK 2.5 L	SAK 2.5 LL
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
						
SAKR L	SAKR L	SAKR L	SAKR LL	SAKR LL	TAL	TAL
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

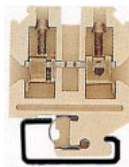


AVR 4/10

0,8x1,6 + 0,8x2,4

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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

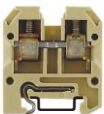
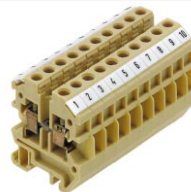
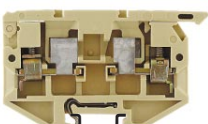


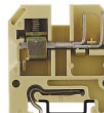
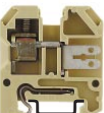
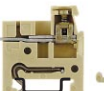
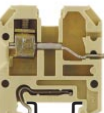
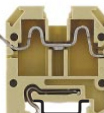
AKZ 4/TC

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AKZ series

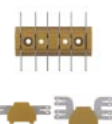
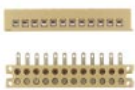
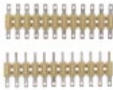
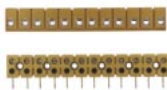
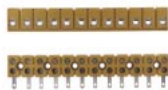
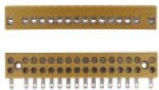
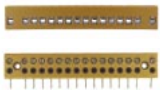
Feed-through terminals for space saving assembly

Feed-through-, PE-, Fuse- and Disconnect terminals for TS 15				
				
AKZ 1.5	AKZ 2.5	AKZ 4	AKZ 4 for test adapter	AK 4 • AK 4/10
Page 2/108	Page 2/108	Page 2/108	Page 2/108	Page 2/109
				
AKE 2.5	AKE 4	AKE 4 MS	ASK 1 5 x 20	SAKR 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									
									
AKZ 4 SS 6,3 mm slotted	AKZ 4 SS 4 x 2,8 mm	AKZ 4 S Screw-2x2,8mm	AKZ 4 SF	AL 1	AKZ 1.5 L	AKZ 2,5 K	AKZ 4 L	AKZ 4 LL Pin 0,8 x 1,6	AKZ 1,5 T 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
									
AKZ 1,5 T Pin 0,8 x 1,6	AKZ 2,5 K Pin 0,8 x 1,6	AKZ 2,5 K Pin 0,8 x 1,6	AKZ 2,5 K Pin 0,8 x 1,6	AKZ 4 T 1 x 1	AKZ 4 T 0,8 x 1,6	AKZ 4 T 0,8 x 2,4	AKZ 4 T 0,8 x 2,4	AKZ 4 ST 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	

MK-, BK series

Multipole terminal blocks and Feed-through terminals for direct mounting

Multipole terminal blocks for direct mounting									
									
MK 2/12 2,5 mm ²	MK 10/14 2,5 mm ²	MK 3/12 2,5 mm ²	MK 4/16 2,5 mm ²	MK 5/2 2,5 mm ²	KS 2 ... 10 2,5 mm ²	BK 2 ... 12 4 mm ²	MK 6/2 ... 6/6 6 mm ²	MDM 10/1	MF 1/6 ... 1/12 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
									
SLS 2 4+2poles	MKL 2/12	MF 2/12	MKL 3/12 2-12poles vertical	MKL 3/12 2-12poles horizontal	MKL 4/16 horizontal	MKL 4/16 vertical			
Page 2/117	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118	Page 2/118			

MK-, BK series

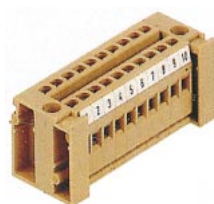
Multipole terminal blocks, Screw, solder, tab connection modular design

Feed-through and fuse terminals for Screw connection



AKB 4

Page 2/119



AKZ 2.5

Page 2/119



ASK 1

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



AKA 2.5

Page 2/120



ADK 1

Page 2/120



ADK 1 F / 3 F

Page 2/120



ADK 1 S

Page 2/120



ADK 3 W

Page 2/121



ADK 1 T

Page 2/121



ADK 2.5 K

Page 2/121



ADK 2.5 K

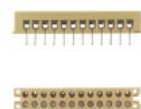
with Solder tag

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ADK 1 FT

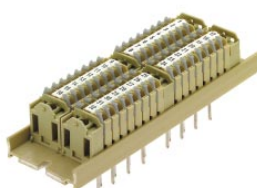
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MK 2/12

Page 2/121

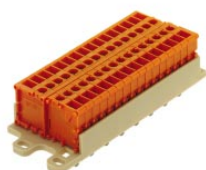
Rack mounted interface systems



DSG 1.5 T/32

2 x Direct, 1 x 0,8 x 1,6

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TOP 1.5 F/32

Top-Screw - 0,8 x 2,8

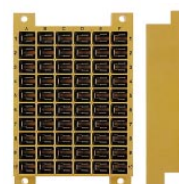
Page 2/122



SP 10 FF / SP 10 LF

3 x 0,8x6,3 - 3 x 0,8x6,3

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SP 60 FF / SP 60 LF

3 x 0,8x6,3 - 3 x 0,8x6,3

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SP 90 FF / SP 90 LF

3 x 0,8x6,3 - 3 x 0,8x6,3

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RV series

Interface system for high density wiring

Rack mounted interface systems



RSV 8/8 long

64x0,8x2,4 - 1x1

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RV 8/8 long

64x0,8x2,4 - 0,8x2,4

Page 2/124

RV 8/8 short

64x0,8x2,4 - 1x1

Page 2/124

RV 8/8 short

64x0,8x2,4 - 0,8x2,4

Page 2/124



RV 8/9 long

72x0,8x2,4 - 1x1

Page 2/124

RV 8/9 long

72x0,8x2,4 - 0,8x2,4

Page 2/124

RV 8/9 short

72x0,8x2,4 - 1x1

Page 2/124

RV 8/9 short

72x0,8x2,4 - 0,8x2,4

Page 2/124



RV 4/9 short

Page 2/124



RV 8/20 short

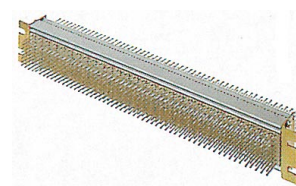
160x0,8x2,4 - 1x1

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RV 8/20 short

160x0,8x2,4 - 0,8x2,4

Page 2/124



RV 8/56 short

448x0,8x2,4 - 1x1

Page 2/124

RV 8/56 short

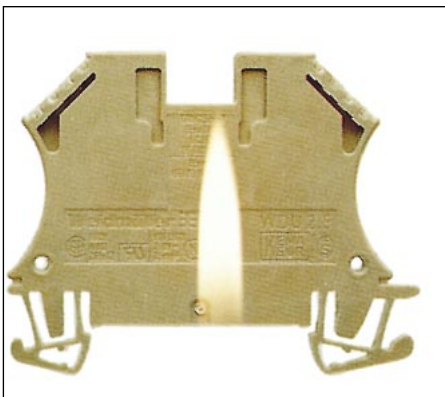
448x0,8x2,4 - 0,8x2,4

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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 mm², features a.o. disconnect and fuse functions
- easy project planning



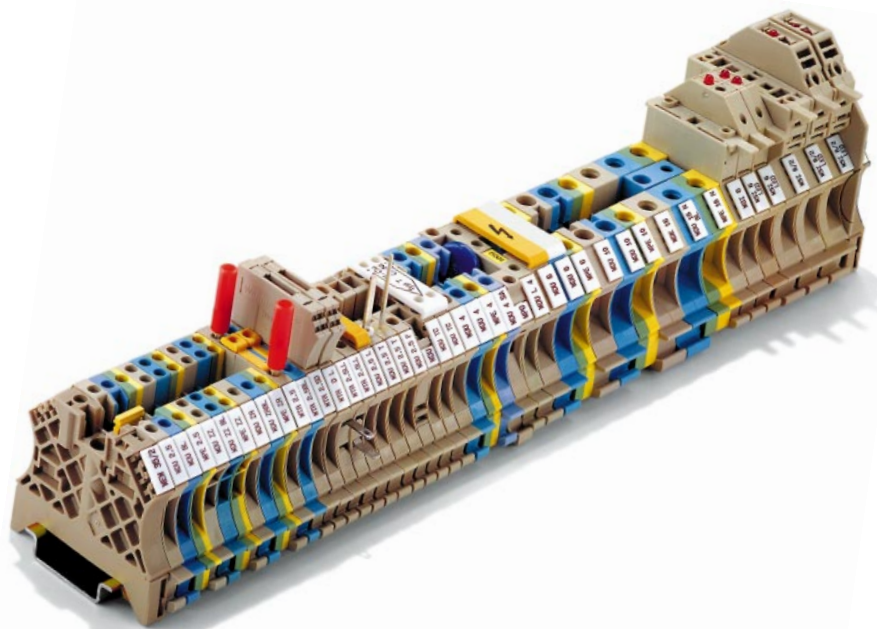
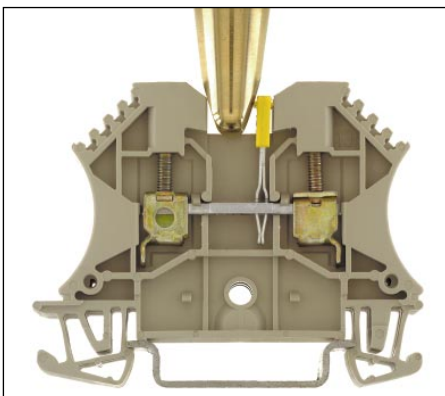
Common features of all variants are:

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

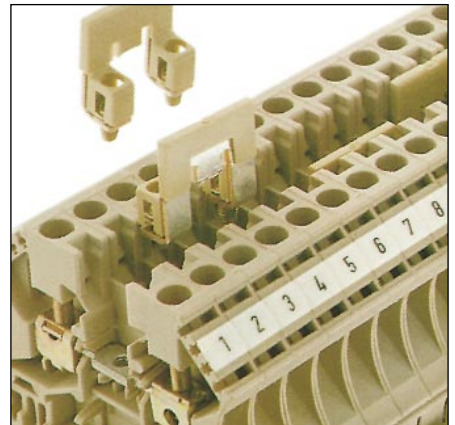
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

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.
- 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.

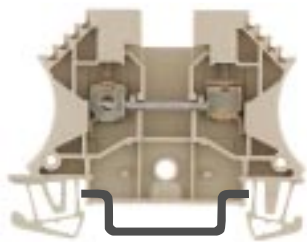


All approvals

- 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

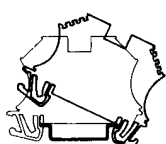


This series has **versions** for conductors up to 150 mm².

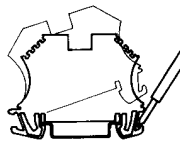
- Only two different end plates.
- The larger end plate can be used as a partition for the smaller terminals.
- Both end plates latch tightly onto the terminals.

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



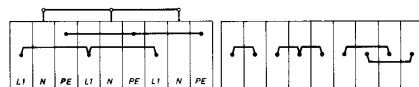
latch off

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 mm² rated cross-section; a **group tag carrier** can also be fitted as an alternative.

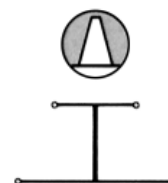
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

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**

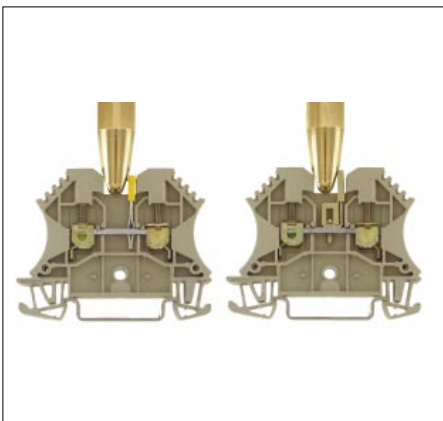
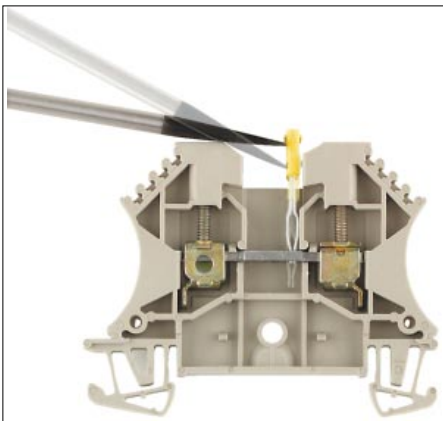
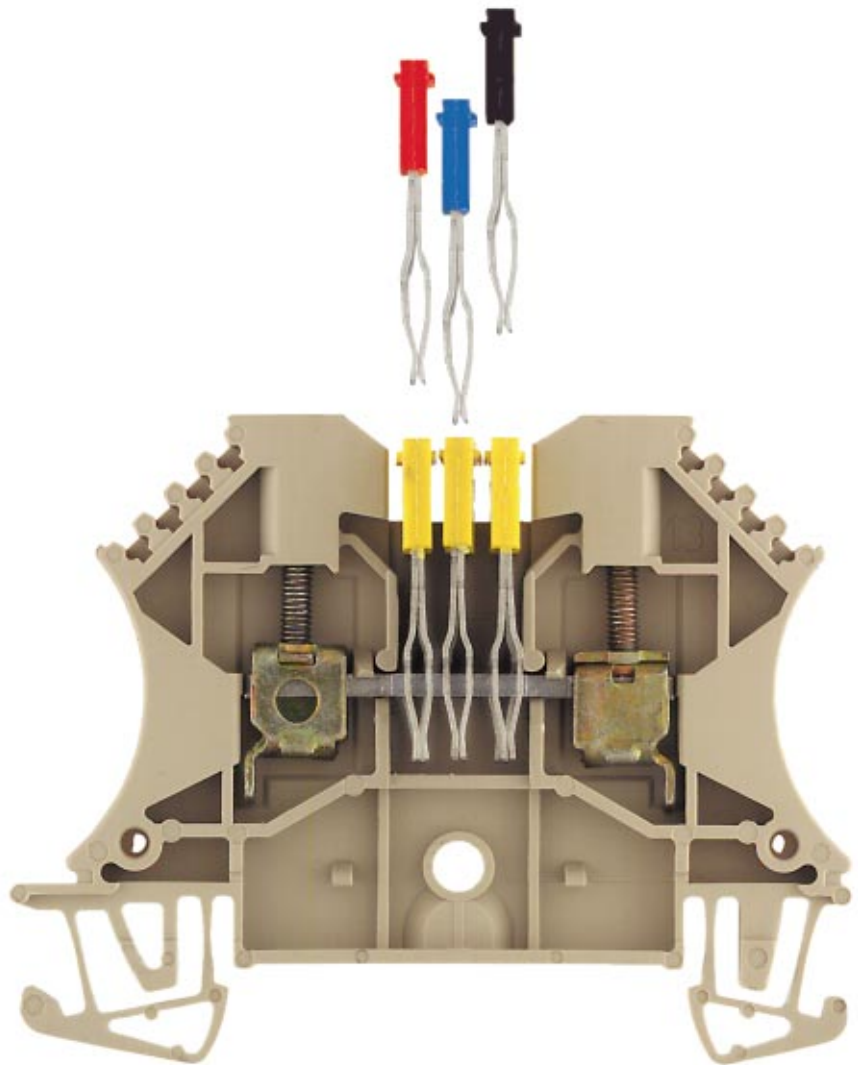
Cat.No. 102230

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

Cat. No. 102000

40 %

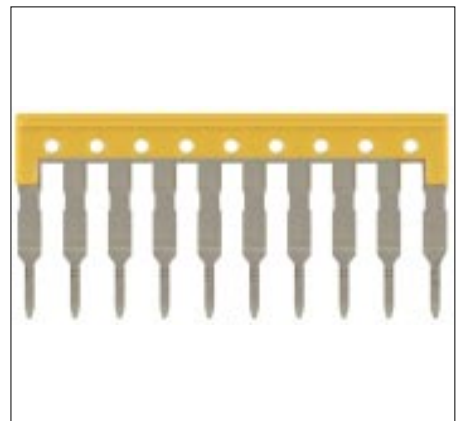
of all terminal blocks are cross-connected.
Considerable assembly time saving



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

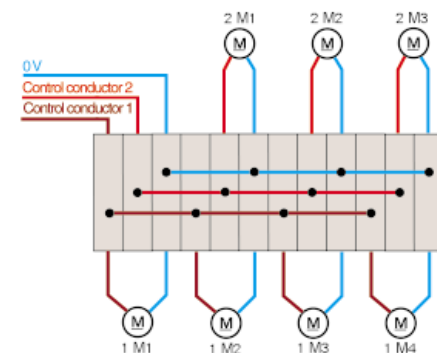
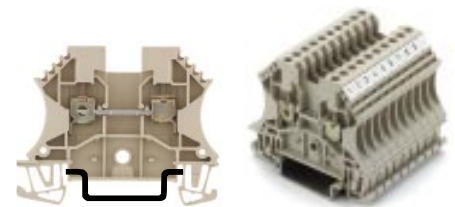


Contact elements can be removed
by hand, so that several terminals
can be skipped

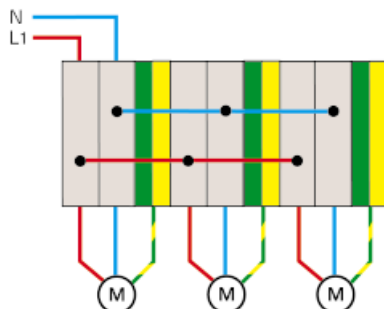
Feed-through Terminals

WDU 2.5

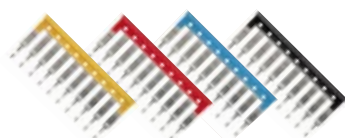
WDU 2.5/10



Triple use up to 125 V with ZQV 2.5N



Parallel use up to 400 V with ZQV¹⁾ 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 mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic insul. collar mm²

Max. Clamping Range in mm² 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 2.5N Qty. WQV 2.5 Qty.

2-pole 169380 60 105366 50

3-pole 169381 60 105376 50

4-pole 169382 60 105386 50

5-pole 169383 20 105396 10

6-pole 169384 20 105406 10

7-pole 169385 20 105416 10

8-pole 169386 20 105426 10

9-pole 169387 20 105436 10

10-pole 169388 20 105446 20

32-pole 169389 5 157760 10

endless 50pole

Screen lug LS 2.8

Notching tool WAW 1 for WQV

Test adapter

WTA

WTA 2 163232 50

WTA 2/ZA 163233 50

WTA 2/10 163234 5

ZE 1 (Strain relief) 163215 50

WTA 2 163232 50

WTA 2/ZA 163233 50

WTA 2/10 163234 5

ZE 1 (Strain relief) 163215 50

Test plug/socket

PS 2.3 StB 8.5

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

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 DEK WS

WS 12/5 144746

WS 12/5 144746

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

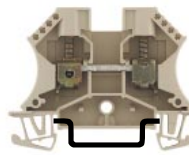
¹⁾ When using the outer cross connection holes

Feed-through terminal blocks

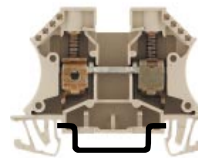
WMA 4/5
WMA 4/4



WDU 6
WDU 6/10/BEZ

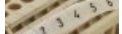


WDU 10



WDU 16N



Max. Technical Data				46 A/6 mm ²				63 A/10 mm ²				85 A/16 mm ²				82 A/25 mm ²																															
Dimension																																															
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				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																															
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1																																															
Rated voltage/rated current/rated cross-section				800 V/32 A/4 mm ²				800 V/41 A/6 mm ²				1000 V/57 A/10 mm ²				400 V/76 A/16 mm ²																															
Rated impulse voltage/pollution severity				8 kV/3				8 kV/3				8 kV/3				6 kV/3																															
Further technical data																																															
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																															
Clampable conductor																																															
solid H07V-U				mm ²				0,5...6				0,5...10				1,5...16				1,5...16																											
stranded H07V-R				mm ²				1,5...6				1,5...10				1,5...16				1,5...25																											
flexible H07V-K				mm ²				0,5...6				0,5...10				1,5...16				1,5...16																											
flexible H07V-K and AEH DIN 46 228/1				mm ²				0,5...4				0,5...6				1,5...16				1,5...16																											
flexible H07V-K and AEH with plastic insul. collar				mm ²				0,5...4				0,5...6				1,5...16				1,5...16																											
Max. Clamping Range in mm ²				Gauge pin to 947-1				Size				0,5...10				A 5				1,31...16				B 6				1,5...25				B 7															
Continuous current rating				WQV/QZV				2-pole				A				46				63				85				76																			
of cross-connection				WQV/QZV				3–10-pole				A				46				63				63				57 (3 + 4-pole)																			
UL / CSA rated data																																															
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				-																											
Ordering data				Version				 Cat. No. Qty.				 Cat. No. Qty.				 Cat. No. Qty.				 Cat. No. Qty.																											
				Wemid								102020				50				102030				50				103610				50															
				Blue Wemid								102028				50				102038				50				103618				50															
				Terminal block printed 1–9 Wemid								102140				10																															
				Terminal block unprinted* Wemid								102130				10																															
				Motor connection block (L1, L2, L3, PE) Wemid				103400				20																																			
				Motor connection block (L1, L2, L3, N, PE) Wemid				103380				20																																			
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 2.5-10				105000				50				WAP 2.5-10				105000				50				WAP 2.5-10				105000				50											
				Blue Wemid				WAP 2.5-10				105008				50				WAP 2.5-10				105008				50				WAP 2.5-10				105008				50							
 WTW				WTW 2.5-10				105010				20				WTW 2.5-10				105010				20				WTW 2.5-10				105010				20											
				Blue Wemid				WTW 2.5-10				105018				20				WTW 2.5-10				105018				20				WTW 2.5-10				105018				20							
Cross-connection																																															
 WQV				WQB 8/24				WQV 4/2				105196				50				WQV 6/2				105236				50				WQV 10/2				105256				50							
								WQV 4/3				105456				50				WQV 6/3				105476				50				WQV 10/3				105496				50							
								WQV 4/4				105466				50				WQV 6/4				105486				50				WQV 10/4				105506				50							
								WQV 4/10				105206				20				WQV 6/10				105226				20				WQV 10/10				105246				20							
 Screen lug LS 2.8				LS				LS 2.8				105640				50				LS 2.8				105640				50				LS 2.8				105640				50							
Notching tool WAW 1 for WQV				WAW				WAW 1				900450				–				WAW 1				900450				–				WAW 1				900450				–							
Test adapter																																															
 WTA				WTA 3				WTA 3				163235				50				WTA 5/1				105126				25				WTA 5/1				105126				25							
								WTA 3/ZA				163236				50																															
								WTA 3/10				163237				5																															
				Strain relief				ZE 1				163215				50																															
Test plug/socket																																															
PS 2.3				StB 8.5				PS 2.3 (ø 2,3)				018040				20				PS 2.3 (ø 2,3)				018040				20				PS 2.3 (ø 2,3)				018040				20							
																																															
								StB 8.5 (ø 2,3)				028060				50				StB 8.5 (ø 2,3)				028060				50				StB 8.5 (ø 2,3)				028060				50							
Abdeckungen																																															
WAD with symbol								WAD 5				105346				50				WAD 8				105356				50				WAD 12 N				107320				50							
WAD white								WAD 5 white				105606				50				WAD 8 white				105616				50				WAD 12 N white				107329				50							
for self-labelling																																															
Group marking																																															
T 5				WGB				WGB 5				105076				50				WGB 8				105096				50				WGB 8				105096				50							
																																															
Tag carrier								T 5				034850				100				T 5				034850				100				T 5				034850				100							
für S 10 markers								SF 10				033240				1000				SF 10				033240				1000				SF 10				033240				1000							
								SG 10				033250				1000				SG 10				033250				1000				SG 10				033250				1000							
Marking tags				Print																																											
DEK								Consecutive horizontal				FW 6				046866				–				FW 8				127696				–				FW 5				047346				–			
DEK								Consecutive vertical				FS 6				047356				–				FS 8				128966				–				FS 5				047356				–			
WS								Blank				WS 12/6				160990				–				WS 12/6,5				160992				–				WS 12/6,5				160992				–			
WS DEK								Printed				WS 12/6				144766				–				WS 12/6,5				156895				–				WS 12/6,5				156895				–			
For further accessories see section 3. further marking material see section 8																																															

100 A/25 mm ²		100 A/25 mm ²		- / -		168 A/50 mm ²		168 A/50 mm ²		207 A/95 mm ²	
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 ²		1000 V/76 A/16 mm ²		400 V/125 A/35 mm ²		1000 V/125 A/35 mm ²		1000 V/125 A/35 mm ²		1000 V/192 A/70 mm ²	
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 B 7		1,5...25 B 7		2,5...50 B 9		2,5...50 B 9		2,5...50 B 9		10...95 B 11	
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.	
102040 50		102890 50		104040 25		102050 25		102880 25		951219 10	
102048 50		102898 50		104048 25		102058 25		102888 25		951242 10	
						(hexagon socket) 102060** 25		(hexagon socket) 102900** 25		(WDU 70N	
						(hexagon socket) 102068** 25		(hexagon socket) 102908** 25		only with hexagon socket)	
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 105010 20		WAP 16-35 105010 20				WAP 16-35 105010 20		WAP 16-35 105010 20			
WAP 16-35 105018 20		WAP 16-35 105018 20				WAP 16-35 105018 20		WAP 16-35 105018 20			
WQV 16/2 105326 50		WQV 16/2 105326 50		WQV 35N/2 107920 50		WQV 35/2 105306 50		WQV 35/2 105306 50		WQV 70N/2 951224 5	
WQV 16/3 105516 50		WQV 16/3 105516 50		WQV 35N/3 107930 50		WQV 35/3 105536 50		WQV 35/3 105536 50		WQV 70N/3 951225 5	
WQV 16/4 105526 50		WQV 16/4 105526 50		WQV 35N/4 107940 50		WQV 35/4 105546 50		WQV 35/4 105546 50		WQV 70N/4 953129 5	
WQV 16/10 105336 10		WQV 16/10 105336 10				WQV 35/10 105316 10		WQV 35/10 105316 10			
WQV 16/2 blue 105328 50		WQV 16/2 blue 105328 50				WQV 35/2 blue 105308 50		WQV 35/2 blue 105308 50			
WAW 1 900450 -		WAW 1 900450 -				WAW 1 900450 -		WAW 1 900450 -		Auxil./control conduc. term.	
										WZAD 70N 951228 10	
PS 4 (ø 4) 029960 20		PS 4 (ø 4) 029960 20		PS 4 (ø 4) 029960 20		PS 4 (ø 4) 029960 20		PS 4 (ø 4) 029960 20		PS 4 (ø 4) 029960 20	
StB 16 (ø 4) 014020 50		StB 16 (ø 4) 014020 50		StB 16 (ø 4) 014020 50		StB 16 (ø 4) 014020 50		StB 16 (ø 4) 014020 50		Insertable in screw head of connection system	
WAD 12 105596 50		WAD 12 105596 50				WAD 12 105596 50		WAD 12 105596 50		WAD 20 951226 20	
WAD 12 white 105626 50		WAD 12 white 105626 50				WAD 12 white 105626 50		WAD 12 white 105626 50		WAD 20 white 951227 20	
T 5 034850 100		T 5 034850 100		T 5 034850 100		T 5 034850 100		T 5 034850 100		T 5 034850 100	
SF 10 033240 1000		SF 10 033240 1000		SF 10 033240 1000		SF 10 033240 1000		SF 10 033240 1000		SF 10 033240 1000	
SG 10 033250 1000		SG 10 033250 1000		SG 10 033250 1000		SG 10 033250 1000		SG 10 033250 1000		SG 10 033250 1000	
DEK 5 047346 -		DEK 5 047346 -		DEK 5 047346 -		DEK 5 047346 -		DEK 5 047346 -		DEK 5 047346 -	
DEK 5 047356 -		DEK 5 047356 -		DEK 5 047356 -		DEK 5 047356 -		DEK 5 047356 -		DEK 5 047356 -	
WS 12/6,5 160992 -		WS 12/6,5 160992 -		WS 12/6,5 160992 -		WS 12/6,5 160992 -		WS 12/6,5 160992 -		WS 12/6,5 160992 -	
WS 12/6,5 156895 -		WS 12/6,5 156895 -		WS 12/6,5 156895 -		WS 12/6,5 156895 -		WS 12/6,5 156895 -		WS 12/6,5 156895 -	

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

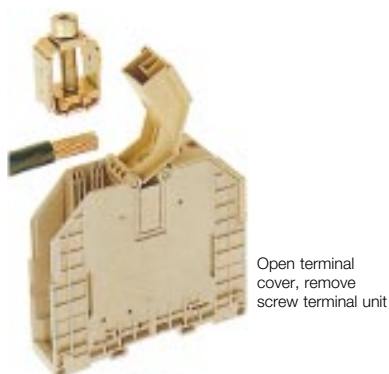
Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

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.

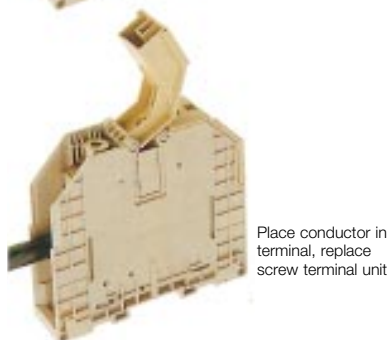
Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

Further advantages are:

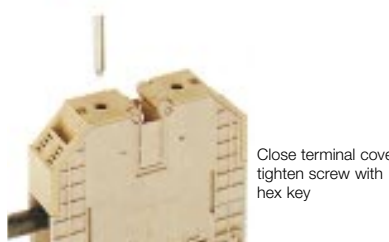
- Constant force transmission by self-adjusting connection system
- Random wiring direction
- Safe from finger-touch (VBG 4), even with cross-connection fitted
- Extreme distortion resistance



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	1000 V/232 A/95 mm ²
Rated impulse voltage/pollution severity	8 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	-

Clampable conductor

solid H07V-U	mm ²	16
stranded H07V-R	mm ²	16...120**
flexible H07V-K	mm ²	16...95**
flexible H07V-K and AEH DIN 46 228/1	mm ²	35...95**
flexible H07V-K and AEH with plastic insul. collar	mm ²	35...50
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 ²	Gauge pin to 947-1 Size	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	600 V/175 A/6...2/0 AWG
Voltage / current / conductor size	CSA	600 V/205 A/6...2/0 AWG

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	

Cross-connection



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



Cover



Yellow

White

Test plug



Fixing screw



For direct assembly

Hexagon key



Screwdriver for direct assembly 1 x 5.5 x 125



Marking tags

DEK	1 2 3 4 5
DEK	1 2 3 4 5
WS	
WS DEK	



Print

Consecutive horizontal	DEK 5
Consecutive vertical	DEK 5
Blank	WS 12/6,5
Printed	WS 12/6,5

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

* Terminal block for direct assembly only

** Using 95 and 120 mm² with 10 Nm tightening torque

250 A/95 mm²

27/132/108

30 mm/M 8/S 6

1000 V/232 A/95 mm²

8 kV/3

6...12

-

16

16...120**

16...95**

35...95**

35...50

3 x 9 x 0,8

4 x 16 x 0,8

16...120

232

(3) 232

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

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

Cat. No.

Qty.

10

10

10

Type

Cat. No.

Qty.

5

5

WZAD 70

106600

10

WFL 70/95

161633

10

WAD 27

with warning tag

106286

10

WAD 27

without warning tag

106296

10

PS 4

029960

20

fits into screw head of the connection system

M 6x16

106370

20

Hex. key

040790

-

6 mm to DIN 6911

SD

902450

-

DEK 5

047346

-

DEK 5

047356

-

WS 12/6,5

160992

-

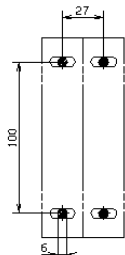
WS 12/6,5

156895

-

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

WDU 70/95/...

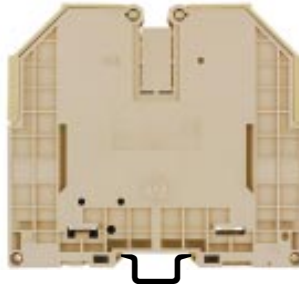


Drilling plan for direct mounting
250 A/95 mm²



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

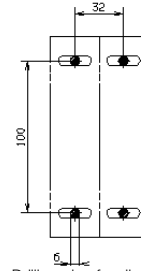
WDU 120/150



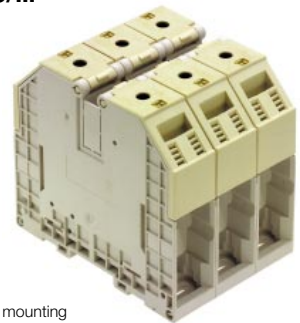
335 A/150 mm²

32/132/118		
35 mm/M 10/S 6		
1000 V/269 A/120 mm ²		
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.
	102450	10
	102458	10
	102455	10
Type	Cat. No.	Qty.
WQV 120/2	106330	5
WQV 120/3	106340	5
WZAD 120	106610	10
WFL 120/150	161634	10
WAD 27		
with warning tag	106286	10
WAD 27		
without warning tag	106296	10
PS 4	029960	20
Insertable in screw head connection system		
M 6x16	106370	20
Hexagon key	040790	-
6 mm to DIN 6911		
SD	902450	-
DEK 5	047346	-
DEK 5	047356	-
WS 12/6,5	160992	-
WS 12/6,5	156895	-

WDU 120/150/...



Drilling plan for direct mounting
335 A/150 mm²



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

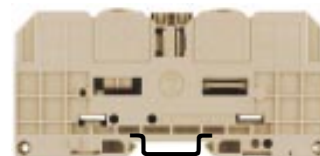
Tab connection terminals



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
-------------------------	----

Clampable conductor

Cable lug DIN 46235	mm ²
Cable lug DIN 46234	mm ²
2 x cable lug DIN 46235	mm ²
2 x cable lug DIN 46234	mm ²
Strips	mm
Strips	mm
Strips	mm

Max. Connection Area in mm²

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	
Wemid	
Blue Wemid	
Wemid	
Wemid	

With covers

Partition (thickness 2 mm)



Cross-connection



Auxiliary / control conductor terminal



Cover

Beige PA 66	
Blue PA 66	
Light-green PA 66	

Warning sign

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

Screwdriver / Fixing screw

For direct assembly	
Screwdriver	

Cupul washers

For aluminium conductors	
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Marking tags

Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed

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

168 A/50 mm²

27/107/54	
27/136/60	
6	
1000 V/125 A/35 mm ²	
8 kV/3	
3.0...6.0	
6...25	
2,5...50	
6...25	
2,5...35	
3 x 13 x 0,5	
6 x 13 x 0,5	
2 x 15,5 x 0,8	
2,08...50	
C 4	
135	
135	

UL / CSA rated data

600 V/115 A/14...2 AWG

600 V/130 A/14...2 AWG

Ordering data

Cat. No.	Qty.
102830	10
102838	10
102930	10

Type	Cat. No.	Qty.
WTW WFF 35	106710	10

WQL 2/35	106490	5
WQL 3/35	106540	5

WZAF 35	107050	10
---------	--------	----

WAH 35	106446	20
WAH 35 BL	106448	20
WAH 35 HG	106445	20
WAP*	106970	20

WD 1	156390	5
Qty. = 5 cards with 6 lables on each		

M 6 x 16	106370	20
SD	902450	-

CPSB M 6	015620	50
----------	--------	----

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

* 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.

250 A/95 mm²

32/132/63	
32/179/71,5	
8	
1000 V/192 A/70 mm ²	
8 kV/3	
6.0...12	
16...70	
2,5...120	
16...70	
2,5...70	
2 x 15,5 x 0,8	4 x 20 x 1
4 x 15,5 x 0,8	
6 x 15,5 x 0,8	
2,08...120	
C 6	
207	
207	

UL / CSA rated data

600 V/175 A/14...2/0 AWG

600 V/170 A/14...2/0 AWG

Ordering data

Cat. No.	Qty.
102840	10
102848	10
102940	10

Type	Cat. No.	Qty.
WTW WFF 70	106720	10

WQL 2/70	106500	5
WQL 3/70	106550	5

WZAF 70	106620	10
---------	--------	----

WAH 70	106456	20
WAH 70 BL	106458	20
WAH 70 HG	106455	20
WAP*	106980	20

WD 1	156390	5
Qty. = 5 cards with 6 lables on each		

M 6x16	106370	20
SD	902450	-

CPSB M 8	015630	50
----------	--------	----

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

WFF 120

335 A/150 mm²

42/132/72

42/230/81

10

1000 V/269 A/120 mm²

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

C 8

292

292

600 V/310 A/10...MCM 250 AWG

600 V/310 A/10...MCM 250 AWG

	Cat. No.	Qty.
	102850	5
	102858	5
	102950	5

Type	Cat. No.	Qty.
WTW WFF 120	106730	10

WQL 2/120	106510	5
WQL 3/120	106560	5

WZAF 120	106630	10
----------	---------------	----

WAH 120	106466	20
WAH 120 BL	106468	20
WAH 120 HG	106465	20
WAP*	107300	20

WD 1	156390	5
Qty. = 5 cards with 6 lables on each		

M 6x16	106370	20
SD	902450	-
CPSB M 10	015640	50

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

WFF 185 / WFF 185 M 12 + M 16

453 A/240 mm²

55/163/78

55/287/91

12

1000 V/353 A/185 mm²

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

C 11

382

382

600 V/380 A/8...MCM 500 AWG

600 V/360 A/8...MCM 500 AWG

	Cat. No.	Qty.
	102860	4
	102868	4
	102960	4

(M12+M16)	102865	4
Type	Cat. No.	Qty.
WTW WFF 185	106740	10

WQL 2	106520	50
WQL 3	106570	50

WZAF 185	106640	10
----------	---------------	----

WAH 185/300	106476	10
WAH 185/300 BL	106478	10
WAH 185/300 HG	106475	10

WD 1	156390	5
Qty. = 5 cards with 6 lables on each		

M 6x16	106370	20
SD	902450	-
CPSB M 12	015650	20

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

WFF 300



630 A

55/163/86

55/287/90

16

1000 V/520 A/300 mm²

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.
	102870	4
	102878	4
	102970	4

Type	Cat. No.	Qty.
WTW WFF 300	106740	10

WQL 2	106530	50
WQL 3	106580	50

WZAF 300	106650	10
----------	---------------	----

WAH 185/300	106476	10
WAH 185/300 BL	106478	10
WAH 185/300 HG	106475	10

WD 1	156390	5
Qty. = 5 Karten mit je 6 Einzelschildern		

M 6x16	106370	20
SD	902450	-
CPSB M 16	015650	20

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

WDK 2.5 PE



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

WDK 2.5 DU-PE**



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

WPE 4



6/60/47	
10 mm/M 3/3,5 x 0,6	
- V/- A/4 mm ²	
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.
	101010 100
Type	Cat. No. Qty.
SH 2	049492 10
DEK 6	046866 -
DEK 6	046876 -
WS 12/6	160990 -
WS 12/6	144766 -

WPE 6



8/60/47	
12 mm/M 3,5/4,0 x 0,8	
- V/- A/6 mm ²	
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.
	101020 100
Type	Cat. No. Qty.
SH 2	049492 10
DEK 8	127696 -
DEK 8	128966 -
WS 12/6,5	160992 -
WS 12/6,5	156895 -

WPE 35



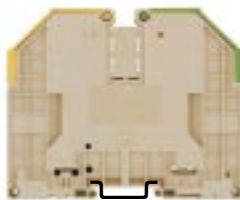
16/60/63	
18 mm/M 6/5,5 x 1,0	
- V/125 A/35 mm ²	
800 V/8 kV/3	
2,5...5,0/1,2...2,4*	
-/4	
2,5...16	
2,5...35 ⁶⁾	
2,5...35 ⁶⁾	
2,5...35 ⁶⁾	
2,5...35 ⁶⁾	
12...2	
2,5...35	B 9
	Cat. No. Qty.
	101050 25
	101260 25
Type	Cat. No. Qty.
SH 2	049492 10
External	
WQB-PEN 35	106010 10
DEK 8	127696 -
DEK 8	128966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

WPE 70N



20,5/75/86	
22 mm/M 8/S 6 DIN 6911	
- V/192 A/70 mm ²	
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
 in Cu only	Cat.No. Qty.
	951220 10
Type	Cat. No. Qty.
SH 2	049492 10
Internal	
WQV 70N-PEN	952584 5
DEK 8	127696 -
DEK 8	128966 -
WS 12/6,5	160992 -
WS 12/6,5	156895 -

WPE 70/95



27/132/108	
30 mm/M 8/S 6 DIN 6911	
- V/232 A/95 mm ²	
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
 in Cu only	Cat.No. Qty.
	103730 10
Type	Cat. No. Qty.
SH 2	049492 10
Internal	
WQV 70/95-PEN	107230 5
DEK 5	047346 -
DEK 5	047356 -
WS 12/6,5	160992 -
WS 12/6,5	156895 -

WPE 120



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

* applies to centre screw

** see also page 2/7

*** using 95 mm² and 120 mm² with 10 Nm tightening torque

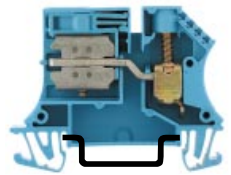
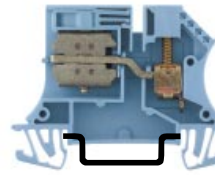
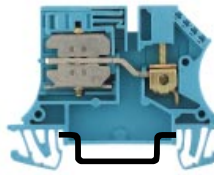
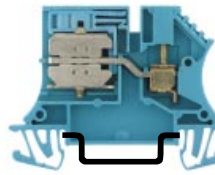
Isolating neutral terminal blocks

WNT 2.5

WNT 4

WNT 6

WNT 10



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 5 / 5.84

Rated voltage/rated current/rated cross-section

Rated voltage/impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic insul. collar mm²

Max. Clamping Range in mm² 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

For 10x3 busbars Blue Wemid

For 10x3 busbars as equipotential bonding disconnect

beige Wemid

(VDE 0107)

32 A/4 mm²

5/60/47

10 mm/M 2,5/3,5 x 0,6

400 V/24 A/2,5 mm²

400 V/6 kV/3

0,4...0,8

1

0,5...4

1,5...4

0,5...4

0,5...2,5

0,5...2,5¹⁾

0,13...4 A 3

41 A/6 mm²

6/60/47

10 mm/M 3/3,5 x 0,6

400 V/32 A/4 mm²

400 V/6 kV/3

0,5...1,0

2

0,5...6

1,5...6

0,5...6

0,5...4

0,13...6 A 4

57 A/10 mm²

8/60/47

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

400 V/41 A/6 mm²

400 V/6 kV/3

0,8...1,6

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...10 A 5

76A/16 mm²

10/60/47

12 mm/M 4/5,5 x 1,0

400 V/57 A/10 mm²

400 V/6 kV/3

1,2...2,4

4

1,5...16

1,5...16

1,5...16

1,5...16

1,31...16 B 6

End plate

Thickness 1.5 mm Blue Wemid

Beige Wemid



Support plate

für SSch 10 x 3 Blue Wemid

beige Wemid



Thickness 1.5 mm

Distance WHP-WHP max. 200 mm

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Busbar 10 x 3

Topface busbar till topface TS 35 = 25.5 mm



Cu 140 A

Ms 100 A

SSch 10 x 3 Cu **034890** 1 m

SSch 10 x 3 Ms **025980** 1 m

SSch 10 x 3 Cu **034890** 1 m

SSch 10 x 3 Ms **025980** 1 m

SSch 10 x 3 Cu **034890** 1 m

SSch 10 x 3 Ms **025980** 1 m

SSch 10 x 3 Cu **034890** 1 m

SSch 10 x 3 Ms **025980** 1 m

Clamping yoke



Applied input for SSch 10 x 3

16...50 mm² stranded

16...35 mm² flexible

Gauge pin to B9

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

Test plug



PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

End bracket

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

Using external link

Clampable cond. section one degree lower

Marking tags

Print



Consecutive horizontal

Consecutive vertical

Blank

Printed

DEK 5 **047346** -

DEK 5 **047356** -

WS 12/5 **160986** -

WS 12/5 **144746** -

DEK 6 **046866** -

DEK 6 **046876** -

WS 12/6 **160990** -

WS 12/6 **144766** -

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** -

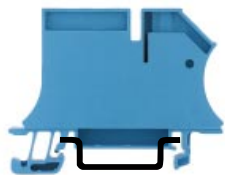
For further accessories see section 3, further marking material see section 8

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

WNT 16 N

WNT 35 N

WNT 70 N



- / -

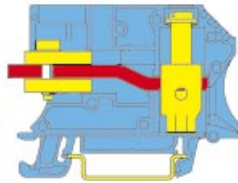
12/60/47
12 mm/M 4/5,5 x 1,0

400 V/76 A/16 mm²
400 V/6 kV/3

1,2...2,4
4

1,5...16
1,5...25
1,5...16
1,5...16
1,5...16
1,5...25

B 7



- / -

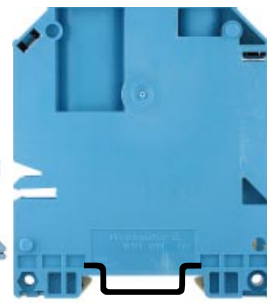
16/66/51
18mm/M 6/5,5 x 1,0

400 V/125 A/35 mm²
400 V/6 kV/3

2,5...5
-

2,5...16
2,5...50
2,5...35
2,5...35
2,5...35
2,5...35

B 9

207 A/95 mm²

20,5/75/86
22 mm/M 8/S 6 DIN 6911

400 V/192 A/70 mm²
400 V/6 kV/3

6,0...12

10...16
10...95
10...70
10...70
10...70
10...95

B 11

 Cat. No. Qty.
101900 50

 Cat. No. Qty.
171855 10

 Cat. No. Qty.
951221 10

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

SSch 10 x 3 Cu **034890** 1 m
SSch 10 x 3 Ms **025980** 1 m

SSch 10 x 3 Cu **034890** 1 m
SSch 10 x 3 Ms **025980** 1 m

SSch 10 x 3 Cu **034890** 1 m
SSch 10 x 3 Ms **025980** 1 m

ZB 35 K **050268** 20
ZB 35 **026650** 20

ZB 35 K **050268** 20
ZB 35 **026650** 20

ZB 35 K **050268** 20
ZB 35 **026650** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 4 **029960** 20

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WQB-PEN 16N **107960** 10

WQB-PEN 35N **107950** 10

WQB-PEN 70N **107970** 10

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047356** -

DEK 5 **047356** -

DEK 5 **047356** -

WS 12/6,5 **160992** -

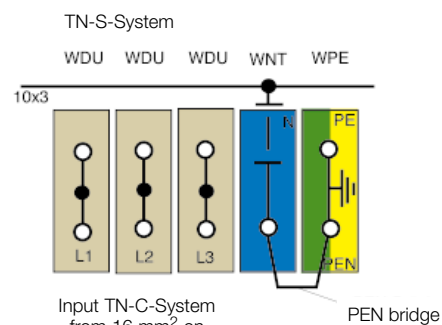
WS 12/6,5 **160992** -

WS 12/6,5 **160992** -

WS 12/6,5 **156895** -

WS 12/6,5 **156895** -

WS 12/6,5 **156895** -



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

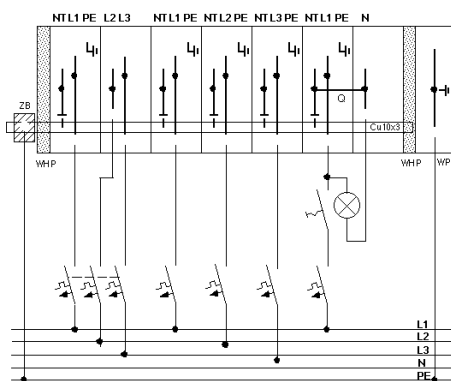
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. 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 terminals 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

Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	

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

Further technical data	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	
Clampable conductor	
solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	Gauge pin to 947-1
Continuous current rating of cross-connection Q multipole	A

UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
Ordering data	
	Version
	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	
Ms 100 A	

Clamping yoke



Neutral (N) disconnect terminals

as supply terminals

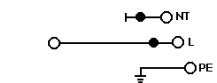
End bracket

Marking tags

Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical

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

WDL 2.5/S/ NT/L/PE



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

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

IEC 947-7-1	
400 V/24 A/2,5 mm ²	
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	
0,25...4	
0,13...4	A 3
24	A 3

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

End plate

Type	Cat. No.	Qty.
------	----------	------

WAP WDL 2.5/S	106770	20
---------------	---------------	----

Support plate

Type	Cat. No.	Qty.
------	----------	------

WHP WDL 2.5/S	106798	20
---------------	---------------	----

Small partition for Q

Type	Cat. No.	Qty.
------	----------	------

TSch 1	031916	100
--------	---------------	-----

Cross-connection (L/N/NT)

Type	Cat. No.	Qty.
------	----------	------

Q 2	107150	50
-----	---------------	----

Q 3	107160	50
-----	---------------	----

Q 4	107170	50
-----	---------------	----

Q 10	107180	20
------	---------------	----

Q 20	107420	20
------	---------------	----

Busbar 10 x 3

Type	Cat. No.	Qty.
------	----------	------

SSch 10 x 3 Cu	034890	1 m
----------------	---------------	-----

SSch 10 x 3 Ms	025980	1 m
----------------	---------------	-----

Clamping yoke

Type	Cat. No.	Qty.
------	----------	------

ZB 35 K	050268	50
---------	---------------	----

Neutral (N) disconnect terminals

Type	Cat. No.	Qty.
------	----------	------

WNT 10	101098	50
--------	---------------	----

WNT 16 N	101900	50
----------	---------------	----

WNT 70 N	951221	10
----------	---------------	----

End bracket

Type	Cat. No.	Qty.
------	----------	------

WEW 35 / 2	106120	50
------------	---------------	----

Marking tags

Type	Cat. No.	Qty.
------	----------	------

DEK 6	046866	500
-------	---------------	-----

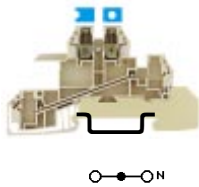
DEK 6	046876	500
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WDL 2.5/S-Biöcke

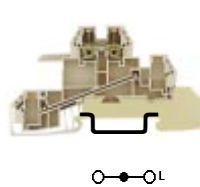
for one three-phase circuit
for three AC circuits



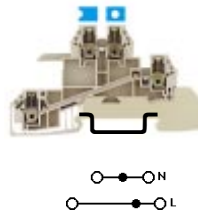
WDL 2.5/S/N



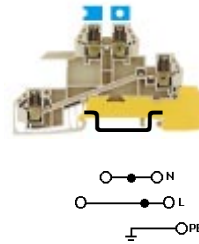
WDL 2.5/S/L



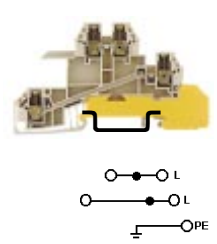
WDL 2.5/S/ N/L



WDL 2.5/S/ N/L/PE



WDL 2.5/S/ L/L/PE



32 A/4 mm²

12/18/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

250V/400V/24 A/2,5 mm²
250V/400V/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

A 3

32 A/4 mm²

6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

IEC 947-7-1
400 V/24 A/2,5 mm²
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

A 3

32 A/4 mm²

6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

IEC 947-7-1
400 V/24 A/2,5 mm²
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

A 3

32 A/4 mm²

6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

IEC 947-7-1
400 V/24 A/2,5 mm²
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

A 3

32 A/4 mm²

6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

250V/400V/24 A/2,5 mm²
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

A 3

32 A/4 mm²

6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6

250V/400V/24 A/2,5 mm²
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

A 3

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103410	25
Block of three	103060 + 103120	20
Block of three	103060	

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106798 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103090	50
(NT-Connection coded blue)		

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106770 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103130	50
(NT-Connection coded blue)		

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106770 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103080	50
(NT-Connection coded blue)		

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106770 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103070	50
(NT-Connection coded blue)		

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106770 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
Block of each	103110	50
(NT-Connection coded blue)		

Type	Cat. No.	Qty.
WAP WDL 2.5/S	106770	20

WHP WDL 2.5/S 106770 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

SSch 10 x 3 Cu 034890 1 m
SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50
WNT 16 N 101900 50
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500
DEK 6 046876 500

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

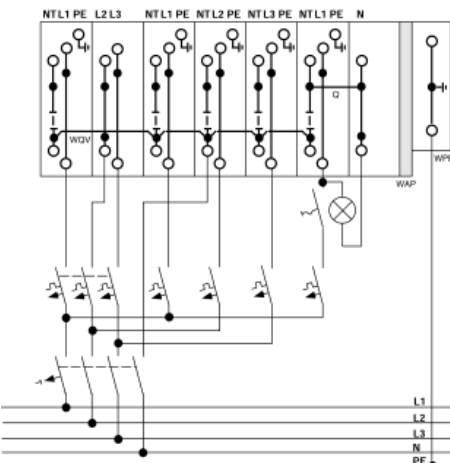
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. 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 terminals 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	
Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data	
Rated voltage/rated current/rated cross-section	
Rated voltage/impulse voltage/pollution severity	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	
Clampable conductor	
solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	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
UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
Ordering data	
Version	
for TS 35 / Wemid	

End plate



Small partition for Q...



Cross-connection (L, NT, N)



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



32 A

Notching tool for WQV

End bracket

Marking tags



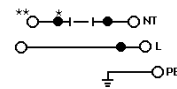
Print

Consecutive horizontal	DEK 6	046866	500
Consecutive vertical	DEK 6	046876	500
Blank	WS 8/5	164074	—
Printed	WS 8/5	158008	—

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

* Cross-connection WQV 4
** Connection 4/6 mm² / A4

WDL 2.5/NT/L/PE



29 A/4 mm²

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 ²
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**
0,5...4/4**
0,13...4
A 3/A 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
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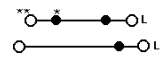
TSch 1	031916	100
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Q 2	107150	50
Q 3	107160	50
Q 4	107170	50
Q 10	107180	20
Q 20	107420	20

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

WAW 1	900450	1
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WDL 2.5/L/L



31 A/4 mm²

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 ²
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**
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
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DEK 6	046866	500
DEK 6	046876	500
WS 8/5	164074	—
WS 8/5	158008	—

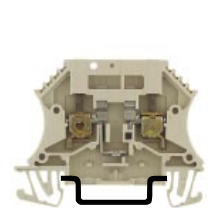
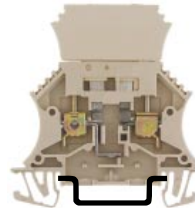
Disconnect test terminal blocks

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 disconnector



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	800 V/16* A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity	8 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	

Clampable conductor

solid H07V-U	mm ²	0,5...4
stranded H07V-R	mm ²	1,5...4
flexible H07V-K	mm ²	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...2,5
flexible H07V-K and AEH with plastic insul. collar	mm ²	0,5...2,5 ¹⁾
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size	0,13...4 A 3
Continuous current rating of cross-connection 2-pole	A	26
Continuous current rating of cross-connection multipole	A	26

UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/22...12 AWG
Voltage / current / conductor size	CSA	300 V/10 A/26...12 AWG

Ordering data

Version

		Cat. No.	Qty.
Wemid	no StB	101110	100
Wemid	2 StB 2.3**	101120	100
Blue Wemid	no StB	101118	100
Blue Wemid	2 StB 2.3**	101128	100
Wemid	2 StB 2.0**	101300	100
Orange PA		101116	100

16 A/1,5 mm²

5/60/49
10 mm/M 2,5/3**/3,5 x 0,6

800 V/16* A/2,5 mm²
8 kV/3

16 A/1,5 mm²

5/60/49 + 18 für WSD
10 mm/M 2,5/3,5 x 0,6

500 V/16* A/2,5 mm²
6 kV/3

16 A/1,5 mm²

5/60/49 + 18 für WSD
10 mm/M 3/3,5 x 0,6

500 V/16* A/2,5 mm²
6 kV/3

16 A/1,5 mm²

5/60/49
10 mm/M 2,5/3**/3,5 x 0,6

800 V/16* A/2,5 mm²
8 kV/3

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	
------	--

Diode plug (spare)

With wire link	
Without special components	

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

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

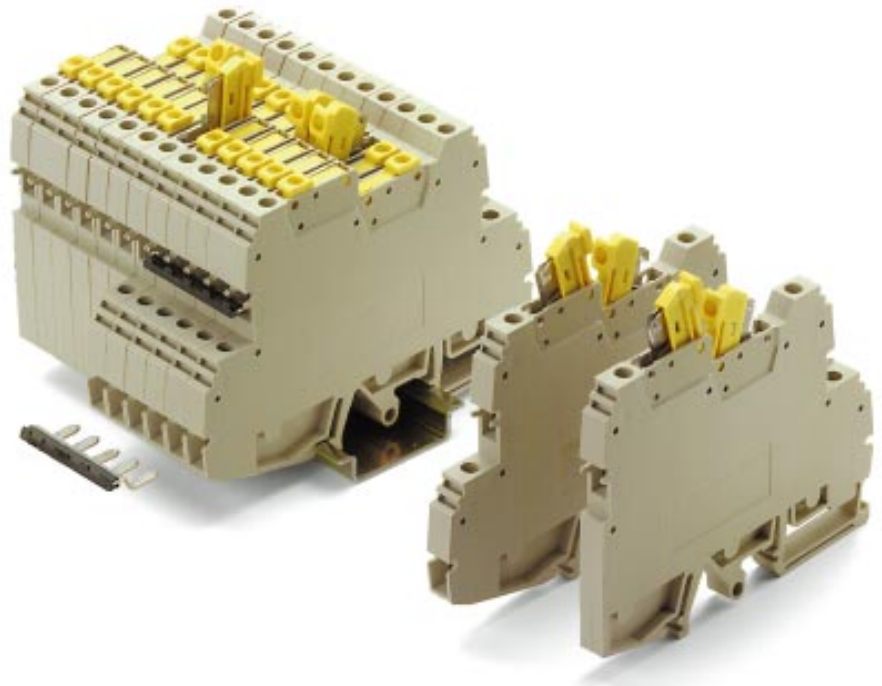
* Rated current is limited to 1 A when using the diode plug with soldered diode
** M3 thread for versions with socket (StB)

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.



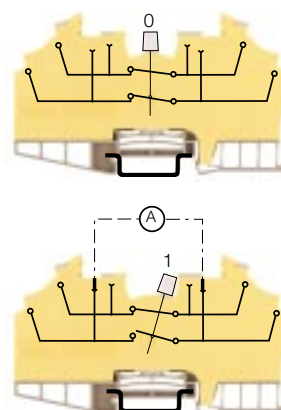
Switching examples
WDT 1.5/...
Disconnect test terminals
W series

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.

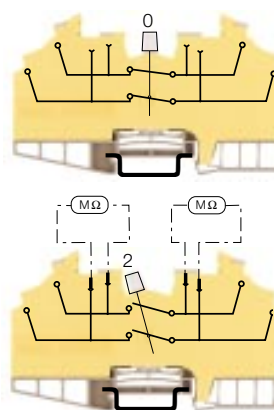
- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks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

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

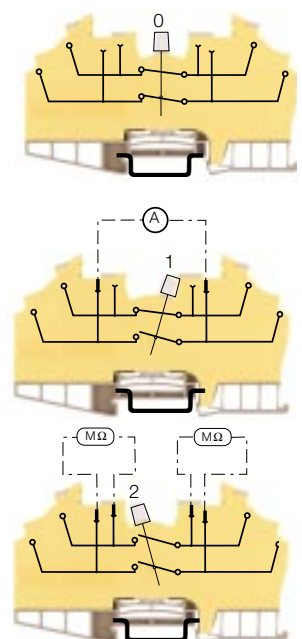
WDT 1.5/1
with space-saving TOP connection



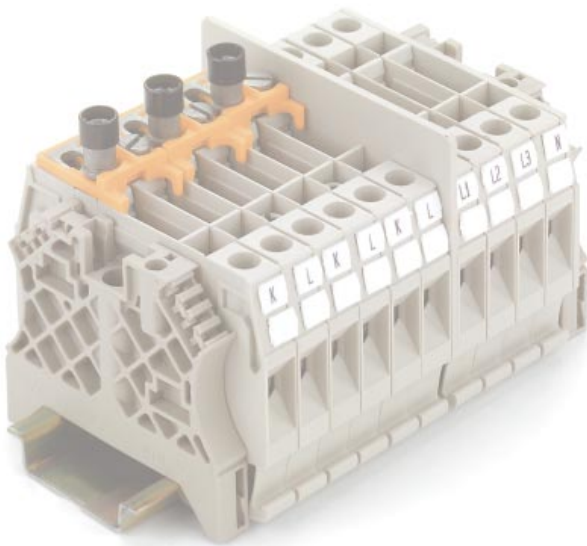
WDT 1.5/2
with space-saving TOP connection



WDT 1.5/3
with space-saving TOP connection



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

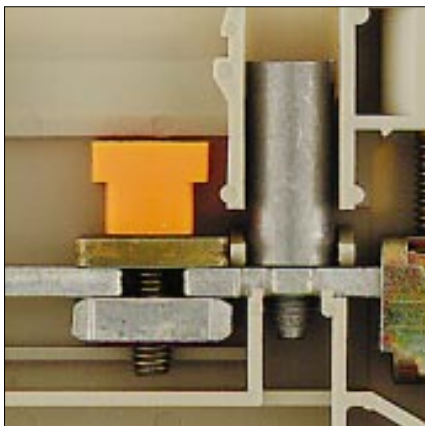


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

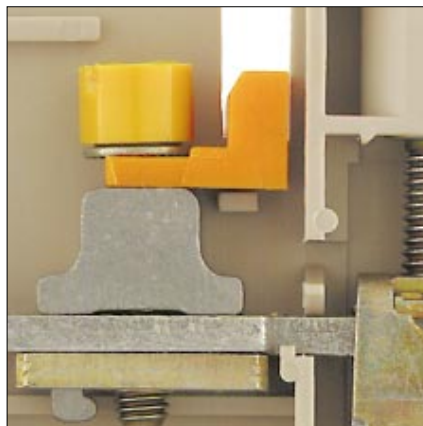
Various easy and cost-effective wiring solutions

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

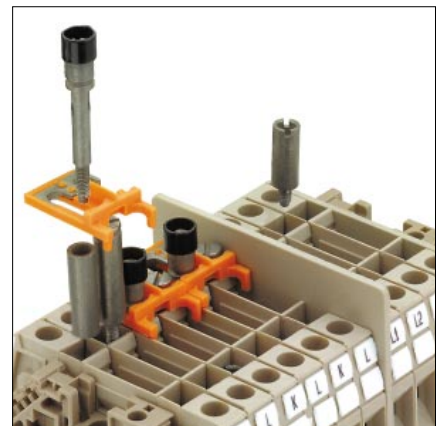
Examples: simple current transformer circuits, transformer test sets, etc.



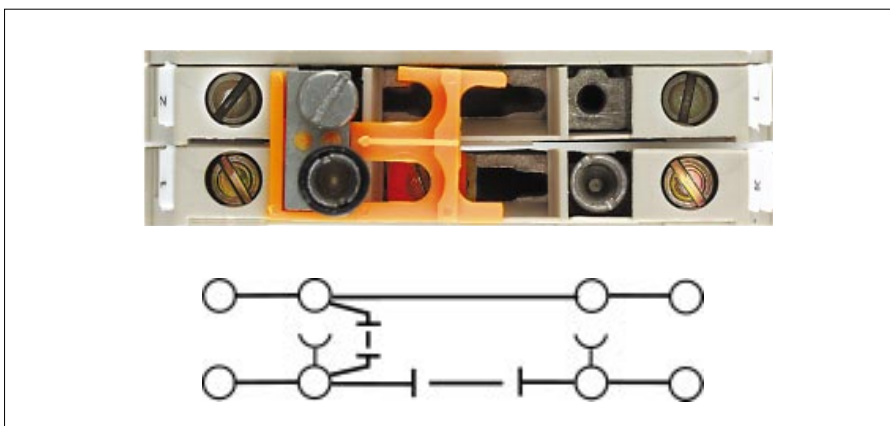
Slide linck that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

The New Generation of Current Transformer Terminals

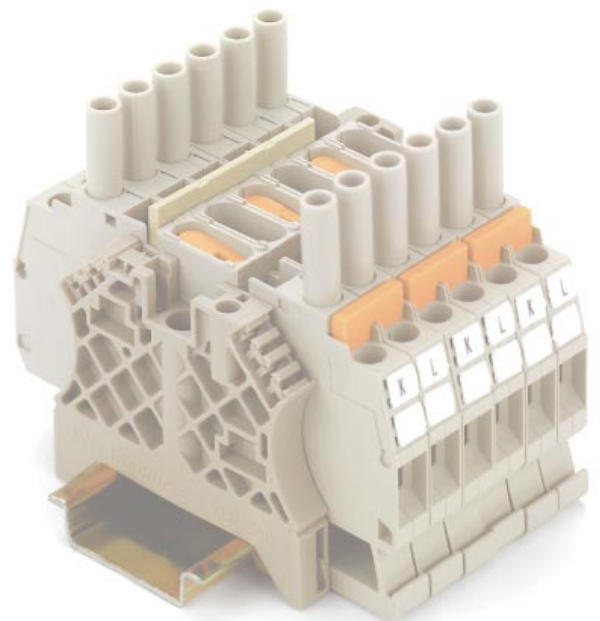
WTL 6/2

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.

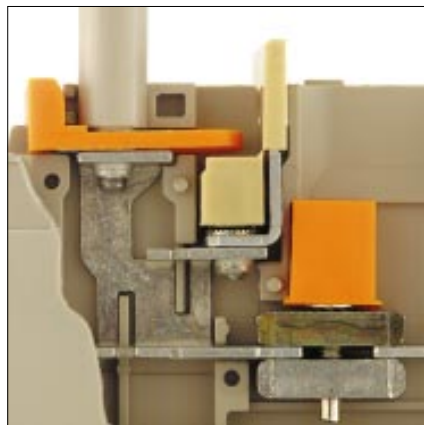
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.



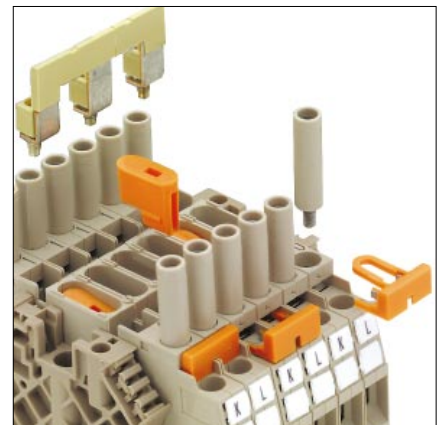
2



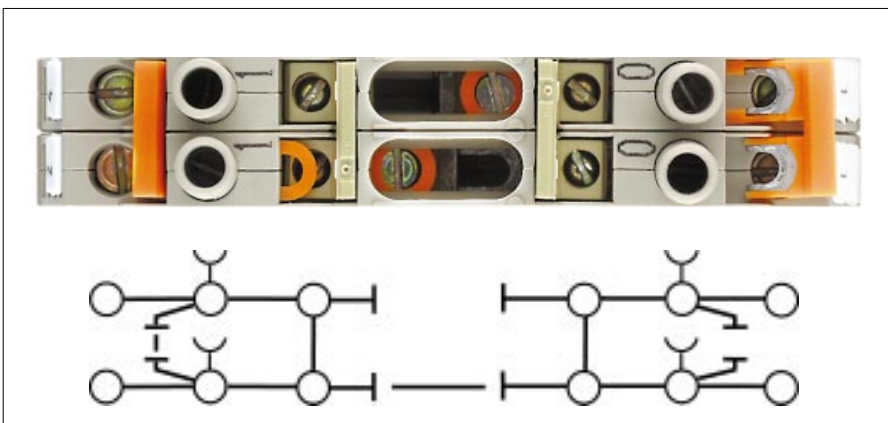
Testing points that are protected against finger-touch to VBG 4



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



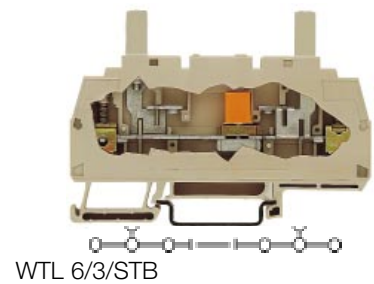
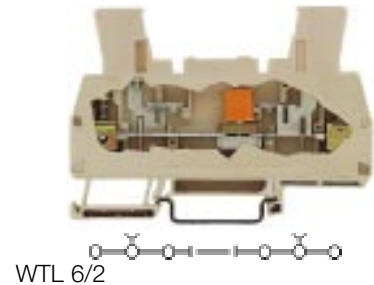
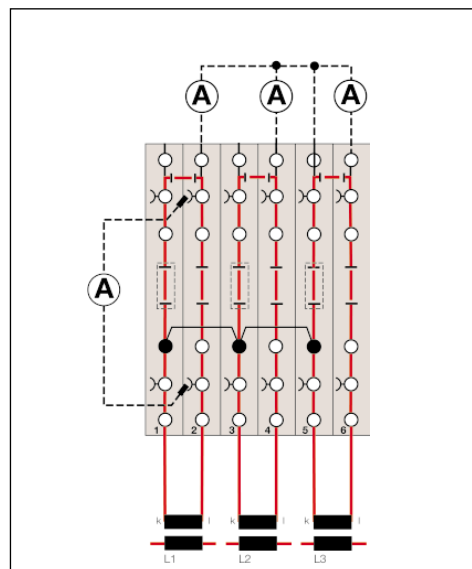
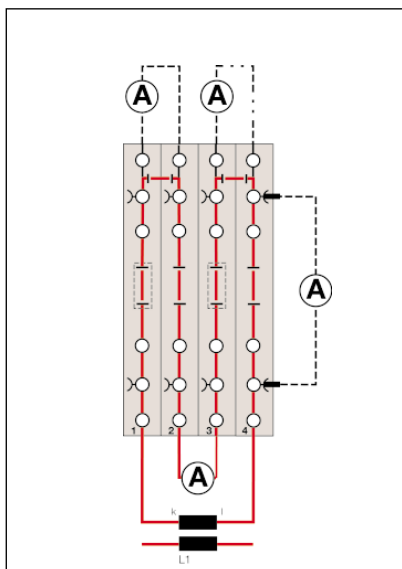
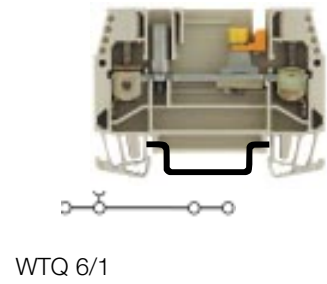
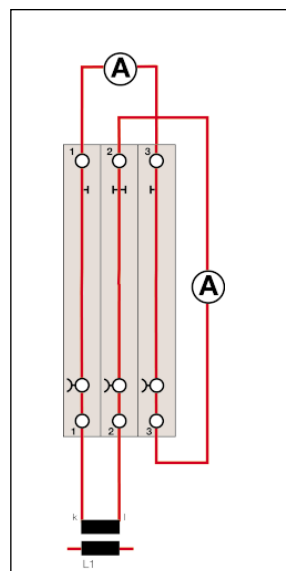
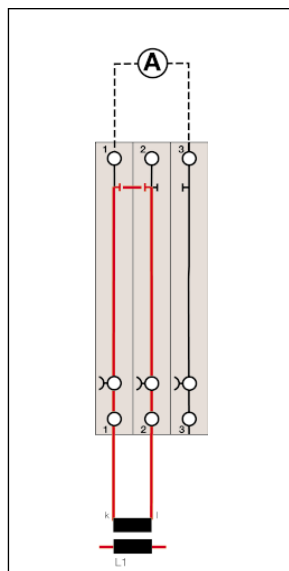
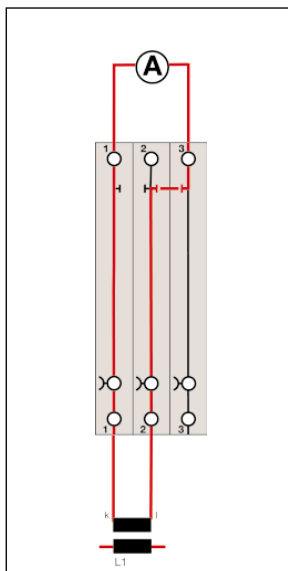
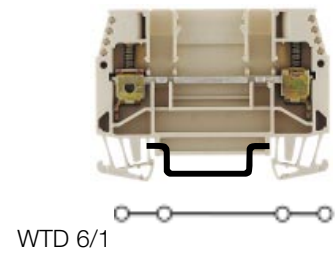
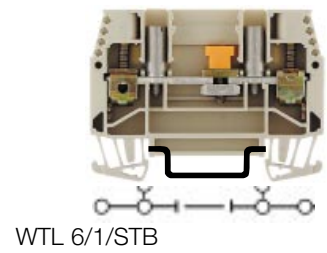
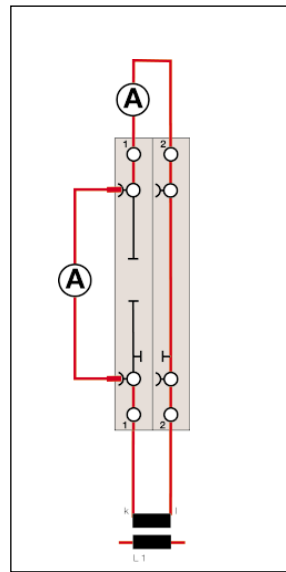
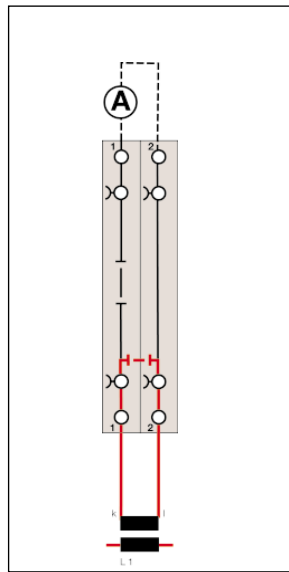
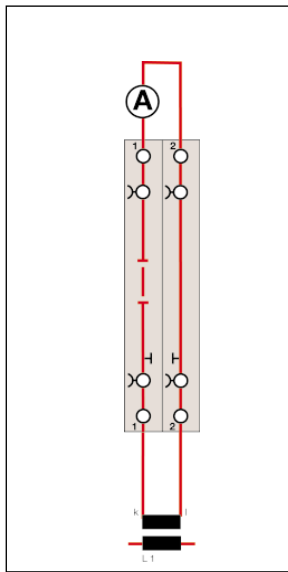
Optimised accessories for all circuit variants



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



2 DEK-labels per connection point



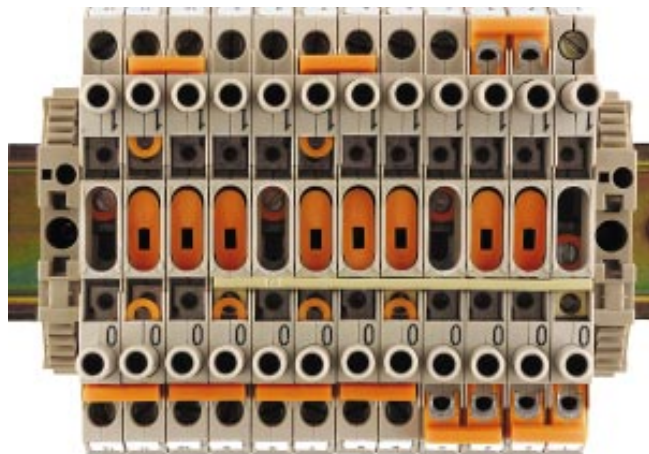
Three-phase Current Transformer Circuit with WTL 6/3/STB



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

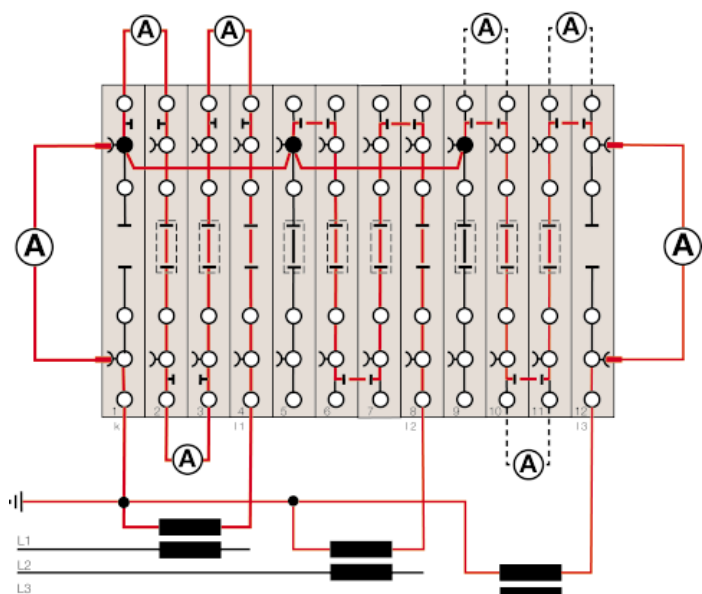
Ammeter hard-wired =>
Cross-connection slider opened
Control ammeter connected =>
Slide link opened

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

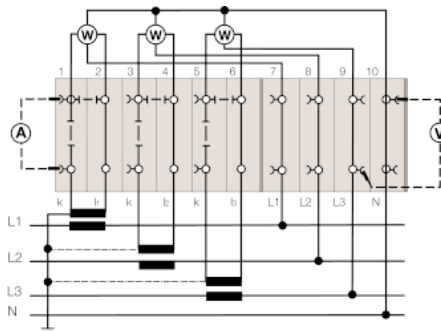
Measurement transformer test sets.

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)



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	500 V**/41 A/6 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity	6 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	3

Clampable conductor

solid H07V-U	mm ²	0,5...10
stranded H07V-R	mm ²	1,5...10
flexible H07V-K	mm ²	0,5...10
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...6
flexible H07V-K and AEH with plastic insul. collar	mm ²	0,5...6

Max. Clamping Range in mm ²	Gauge pin to 947-1	Size
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	600 V/45 A/20...8 AWG
Voltage / current / conductor size	CSA	300 V/45 A/20...8 AWG

Ordering data	Type
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

QVS	WQV
WKS	
WKB	VH 12
QVS K2	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

WTL 6/1/STB

WTD 6/1



57 A/10 mm ²	57 A/10 mm ²
8/65/48,2	8/65/48,2
12 mm/M 3,5/3*/4,0 x 0,8	12 mm/M 3,5/3*/4,0 x 0,8
500 V**/41 A/6 mm ²	400 V/41 A/6 mm ²
6 kV/3	6 kV/3

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

0,5...10	0,5...10
1,5...10	1,5...10
0,5...10	0,5...10
0,5...6	0,5...6
0,5...6	0,5...6

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

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

Ordering data	Cat. No.	Qty.
With Socket	101690	50
Without Socket	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
------	--------	----

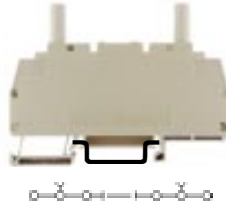
Print	Cat. No.	Qty.
DEK 8	127696	-
DEK 8	128966	-
WS 12/6,5	160992	-
WS 12/6,5	156895	-

* Disconnect element ** 400 V as disconnect terminal block

WTQ 6/1

WTL 6/2

WTL 6/3/STB

57 A/10 mm²

8/65/48,2

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

400 V/41 A/6 mm²

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

A 5

(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.
	101810	50
	101790	50

Type Cat. No. Qty.

WAP WTL **106830** 20WTW WTL **106840** 20TSch 2 **035366** 100QL 2 **019430** 50QL 3 **019440** 50QL 4 **019450** 50QL 10 **033830** 20BS M 3x20 Cu **037710** 100VH 12 **024900** 100WKB 1/2 **160428** 50WKB 1/3 **160430** 50WKB 1/4 **160432** 50WKB 1/10 **160433** 20StB 14 **016990** 50SSP 3 **053176** 100PS 4 **029960** 20DEK 8 **127696** -DEK 8 **128966** -WS 12/6,5 **160992** -WS 12/6,5 **156895** -57 A/10 mm²

8/87/61,8

-M 3,5/3*/4,0 x 0,8

400 V/41 A/6 mm²

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

A 5

(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.
	101770	50

Type Cat. No. Qty.

WKS 1/2 **160427** 50WKS 1/3 **160429** 50WKS 1/4 **160431** 50WQV 6/2 **105236** 50WQV 6/3 **105476** 50WQV 6/4 **105486** 50WQV 6/10 **105226** 20SSP WTL 6/2 **160420** 100PS 4 **029960** 20DEK 8 **127696** -DEK 8 **128966** -WS 12/6,5 **160992** -WS 12/6,5 **156895** -57 A/10 mm²

8/87/61,8

-M 3,5/3*/4,0 x 0,8

400 V/41 A/6 mm²

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

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

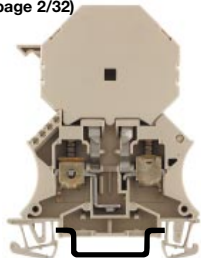
	Cat. No.	Qty.
	101860	50
	101880	50

Type Cat. No. Qty.

WKS 1/2 **160427** 50WKS 1/3 **160429** 50WKS 1/4 **160431** 50WQV 6/2 **105236** 50WQV 6/3 **105476** 50WQV 6/4 **105486** 50WQV 6/10 **105226** 20SSP WTL 6/2 **160420** 100PS 4 **029960** 20DEK 8 **127696** -DEK 8 **128966** -WS 12/6,5 **160992** -WS 12/6,5 **156895** -

* Disconnect element

WSI 6/2¹⁾ 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 ²⁾ /6 mm ²
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

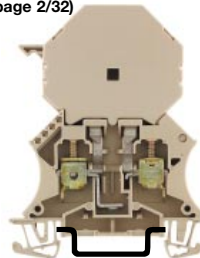
26
600 V/16 A/20...8 AWG
10-220 V/16 A/20...8 AWG
Cat. No. Qty.
14 V-10-28 V- 101410 25
15-30 V-30-60 V- 101420 25
40-60 V-80-120 V- 101430 25
110 V-220 V- 101440 25
Type Cat. No. Qty.
WAP 105000 50
WTW 2.5-10 105010 20
Install partition after last WSI 6

QL 2 047070 50
QL 3 047080 50
QL 4 047090 50
QL 10 047100 20
BS-M 3x5 105210 100
PS 2.3 018040 20
WAW 2 900451 -

Fuse cartridges
1/4"x 1 1/4" (6.3 x 32)
Rated voltage 440 V
E 2 A 029450 10
E 3 A 029570 10
E 5 A 029460 10
E 7 A 029580 10
E 10 A 029390 10

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

WSI 6/2¹⁾ 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 ²⁾ /6 mm ²
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- 101450 25
Type Cat. No. Qty.
WAP 105000 50
WTW 2.5-10 105010 20
Install partition after last WSI 6

QL 2 047070 50
QL 3 047080 50
QL 4 047090 50
QL 10 047100 20
BS-M 3x5 105210 100
PS 2.3 018040 20
WAW 2 900451

Fuse cartridges
1/4"x 1 1/4" (6.3 x 32)
Rated voltage 440 V
E 2 A 029450 10
E 3 A 029570 10
E 5 A 029460 10
E 7 A 029580 10
E 10 A 029390 10

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

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



24/75/66
14 mm/M 4/5,5 x 1
400 V- ⁴⁾ /16 A/10 mm ²
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10

0,33...16
(QL 2...5) 47
(QL 6...10) 36

600 V/30 A/22...8 AWG
Cat. No. Qty.
Wemid beige KrG 050180 20
Neozed D 01

Type Cat. No. Qty.
QL 2 032800 20
QL 3 032810 20
QL 4 032820 20
QL 10 033900 20
BS M 4x9 010330 100
SS M 4 013640 100

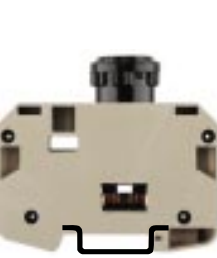
Fuse cartridges D 01
Rated voltage 380 V
E 14/2 013740 10
E 14/4 013750 10
E 14/6 032830 10
E 14/10 032840 10
E 14/16 032850 10

Gauge rings
P 14/2 013800 50
P 14/4 013810 50
P 14/6 032860 50
P 14/10 032870 50

Screw cap (spare)
SK 033941 20

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

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



28/80/75
12 mm/M 4/5,5 x 1
500 V-10 (25) A ⁵⁾ /10 mm ²
6 kV/3
1,2...2,4
4
0,5...16
0,5...10
0,5...10
0,5...10

0,33...16
(QL 2...5) 47
(QL 6...10) 36

600 V/25 A/22...8 AWG
Cat. No. Qty.
Wemid beige KrG 136870 20
Diazed E 16

Type Cat. No. Qty.
QL 2 020780 20
QL 3 020790 20
QL 4 020800 20
QL 10 033890 20
BS M 4x9 010330 100
SS M 4 013640 100

Fuse cartridges D
Rated voltage 380 V
E 10 A 020850 25
E 16 A 020860 25
E 20 A 020870 25
E 25 A 020880 25

Gauge rings
P 16/10 020890 100
P 16/16 020900 100
P 16/20 020910 100

Screw cap (spare)
SK 028411 20

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

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



28/80/66
13 mm/M 4/5,5 x 1
400 V- ⁴⁾ /63 A/16 mm ²
6 kV/3
1,2...2,4
4
1,5...16
1,5...16
1,5...16
1,5...16

1,5...16
(QL 2...5) 47
(QL 6...10) 36

600 V/63 A/14...6 AWG
Cat. No. Qty.
Wemid beige KrG 050210 20
Neozed D 02

Type Cat. No. Qty.
QL 2 020780 20
QL 3 020790 20
QL 4 020800 20
QL 10 033890 20
BS M 4x9 010330 100
SS M 4 013640 100

Fuse cartridges D 02
Rated voltage 500 V
E 18/20 036130 10
E 18/25 036140 10
E 18/35 036150 10
E 18/50 036160 10
E 18/63 036170 10

Gauge rings
P 18/20 036180 50
P 18/25 036190 50
P 18/35 036200 50
P 18/50 036210 50

Screw cap (spare)
SK 035931 20

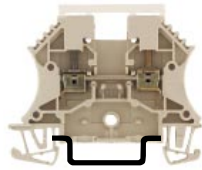
DEK 5 047346
DEK 5 047356
WS 12/6,5 160992 -
WS 12/6,5 156895 -

⁴⁾ Also for 440 V- with Neozed-marine fuse

⁵⁾ Current for overload up to 10 A, for short-current up to 25 A

Terminal blocks
for temperature
measuring circuits

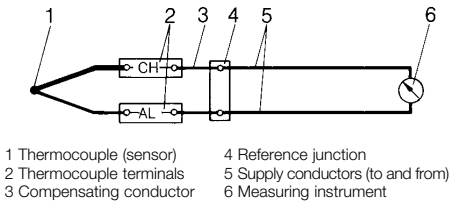
WDU 2.5/TC



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



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	
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 ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	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
for Thermocouples		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

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

10/60/50,5
10 mm/M 2,5/3,5 x 0,6
–/–/2,5 mm ²
0,4...0,8
1
0,5...2,5
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,13...4
A 2

	Cat. No.	Qty.
	102410	50
	102420	50
	102430	50
	102440	50
	103370	50
	103330	50

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

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

DEK 5	047346	–
DEK 5	047356	–
WS 12/5	160986	–
WS 12/5	144746	–

Feed-through terminals with WSA plug adaptor

WDU 4 SA

Feed-through terminals

for retrofitting electronic components

WPO 4

Max. Technical Data

Dimensions	
Width/length/height (mm)	With 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 ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	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	
Type	

6/60/47	
10 mm/M 3/3,5 x 0,6	
400 V/34 A/4 mm ²	
6 kV/3	
0,5...1,0	
2	
0,5...6	
1,5...6	
0,5...4	
0,5...4	
0,5...4	
0,13...6	A 4
300 V/25 A/22...12 AWG	
300 V/-/22...12 AWG	
Cat. No. Qty.	
102110	100
blue 102118	100

Max. Technical Data

Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data 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	Nm
Torque setting with DMS2 electric screwdriver	
Clampable conductor	
solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size
Wire diameter electrical component	mm
UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
Ordering data	
Type	
Wemid	

32 A/4 mm²

6/60/47	
9 mm/M 3/3,5 x 0,6	
250 V/32 A/4 mm ²	
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	A 3
300 V/10 A/26...12 AWG	
Cat. No. Qty.	
103600	50

End plate		Type	Cat. No. Qty.
WAP	(Thickness 1,5 mm)	WAP 2.5-10	105000 50
		WAP 2.5-10	105008 50
Partition			
WTW (Thickness 1,5 mm)		WTW 2.5-10	105010 20
		WTW 2.5-10	105018 20
Cross-connection			
WQV	Screen lug LS 2.8		
		LS 2.8	105640 50
Plug adaptor WSA 2			
380 V-/10 A/1,5 mm ²	Version with crimp connection	WSA 2 ¹⁾	050236 ³⁾ 20
		WSA 2 ²⁾	052976 ³⁾ 20
		WSA 2 ²⁾	052965 ³⁾ 20
		WSA 2 ²⁾	052956 ⁴⁾ 20
		WSA 2 TOP ¹⁾	133396 ³⁾ 20
		WSA 2 TOP ²⁾	133386 ³⁾ 20
		WSA 2 TOP ²⁾	133405 ³⁾ 20
		WSA 2 TOP ²⁾	133376 ⁴⁾ 20
Covers			
		AH 2/3	053166 20
		AH 2/4	040536 20
		AH 2/5	040556 20
		AH 2/8	040576 20
		AH 2/10	040596 20
		AH 2/12	040616 20

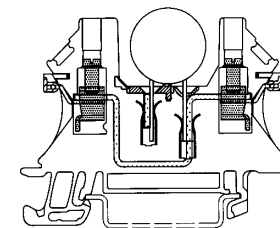
Crimp contact 0.5-1.5 mm ²			
	Individual	C 1 E/L*	019850 200
	Continuous strip on reel	C 1 R/L	019900 -
Marking tags		Print	
DEK		Consecutive horizontal	DEK 6 046866 -
DEK		Consecutive vertical	DEK 6 046876 -
WS		Blank	WS 12/6 160990 -
WS DEK		Printed	WS 12/6 144766 -

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

* Crimping tool
Type CZ 22E 056040
1) With hook
2) Without hook
3) With dovetail
4) Without dovetail
5) Without pin
6) With pin

Barrier		
	Thickness 2,5 mm	
Busbar		

Type	Cat. No. Qty.
ZR	107110 20
SSch 7.3x1.2	107120 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.

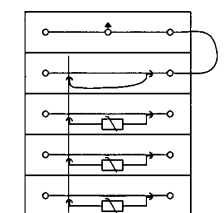
Flexibility:

- Components can immediately be adapted to changed conditions

Note:

- Never change electronic components in energised systems

Marking tags		Print	
DEK		Consecutive horizontal	DEK 6 046866
DEK		Consecutive vertical	DEK 6 047356
WS		Blank	WS 12/6 160990
WS DEK		Printed	WS 12/6 144766



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



Max. Technical Data

Dimensions		With TS 35 x 7,5		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
Width/length/height (mm)				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*
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							
Rated voltage/rated current/rated cross-section				250 V/10 (2x8) A/1,5 mm ²	– V/10 (2x8) A/1,5 mm ²	– V/– A/1,5 mm ²	250 V/17,5 ²⁾ A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity				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	0,4...0,8
Torque setting with DMS2 electric screwdriver				1	1	1	1
Clampable conductor							
solid H07V-U	mm ²			0,5...4/2,5	0,5...4/2,5	0,5...4/2,5	0,5...4/2,5
stranded H07V-R	mm ²			1,5...2,5/1,5	1,5...2,5/1,5	1,5...2,5/1,5	1,5...2,5/1,5
flexible H07V-K	mm ²			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 and AEH DIN 46 228/1	mm ²			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 and AEH with plastic insul. collar	mm ²			0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size			0,13...4 A 3/A 1	0,13...4 A 3/A 1	0,13...4 A 3/A 1	0,13...4 A 3/A 1
Continuous current rating of cross-connection 2-pole	A			35	35	35	–
Continuous current rating of cross-connection multipole	A			35	35	35	–
UL / CSA rated data							
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.				
		Standard	157726 100				
		blue				157731 100	
		with red LED			12 V– 157727 100		
		with red LED			24 V– 157728 100		
		with red LED			48 V– 157729 100		
		with red LED			110 V– 157730 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)	157732 50	With pin 157732 50	With pin 157732 50	With pin 157732 50	With pin 107010 20
			157733 50	Without pin 157733 50	Without pin 157733 50	Without pin 157733 50	Without pin 107000 20
		VBB orange (Thickness 5 mm)	106826 10	With pin 106826 10	With pin 106826 10	With pin 106826 10	With pin 107276 10
			106816 10	Without pin 106816 10	Without pin 106816 10	Without pin 106816 10	Without pin 107266 10
Cross-connection							Cross-connection comb. insul.
		WQV		WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	WQB A/2 157895 50
				WQV 2.5/3 106376 50	WQV 2.5/3 105376 50	WQV 2.5/3 105376 50	WQB A/3 157896 50
				WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	WQB A/4 157897 50
				WQV 2.5/10 105446 20	WQV 2.5/10 105446 20	WQV 2.5/10 105446 20	WQB A/10 157899 20
		Notching tool WAW 1 für WQV	900450 –	WAW 1 900450 –	WAW 1 900450 –	WAW 1 900450 –	
Negative conductor-busbar							
		0,5 x 4 x 120 mm		ML-SSch 106320 3	ML-SSch 106320 3	ML-SSch 106320 3	
Cover for unassigned pins							
			WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20
Coding element							
			SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100
Socket strips		No. poles					
		BLA 2...24	BLA 2...24 B 4	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100
			BLZ 2...24 B 6	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50
			with lateral 8	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50
			dovetail 4	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100
			guide 6	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50
			8	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50
Marking tags		Print					
		Consecutive horizontal	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –
		Consecutive vertical	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –
		Blank	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –
		Printed	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –
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

* With BLA

** Set for screwing the connector to the terminal strip

*** 20 °C ambient temperature

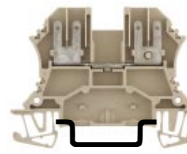
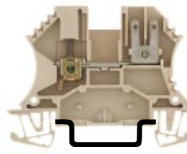
Feed-through terminal blocks

WDU 2.5 F

WDU 2.5 FF

WDK 2.5 F

WDK 2.5 FV



Max. Technical Data

Dimensions			5/60/47			5/60/47			5/69/63			5/69/63		
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			10 mm/-			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			500 V m. IH/12 (2x6) A / 2,5/1 mm ²			500 V m. IH/12 (2x6) A/1 mm ²			400 V m. IH/12 (2x6) A/2,5/1 mm ²			400 V m. IH/12 (2x6) A/2,5/1 mm ²		
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			-			0,4...0,8			0,4...0,8		
Torque setting with DMS2 electric screwdriver			1			-			1			1		
Clampable conductor														
solid H07V-U			mm ²			-			0,5...4/1			0,5...4/1		
stranded H07V-R			mm ²						1,5...2,5			1,5...2,5		
flexible H07V-K			mm ²			0,5...1			0,5...2,5			0,5...2,5		
flexible H07V-K and AEH DIN 46 228/1			mm ²			-			0,5...2,5			0,5...2,5		
flexible H07V-K and AEH with plastic insul. collar			mm ²			-			0,5...2,5 ¹⁾			0,5...2,5 ¹⁾		
Max. Clamping Range in mm ²			Gauge pin to 947-1			Size			0,13...4			A 3		
Continuous current rating of cross-connection 2-pole			A			12			32			32		
Continuous current rating of cross-connection multipole			A			12			32			32		
UL / CSA rated data														
Voltage / current / conductor size			UL			300 V/10 A/22...12 AWG			300 V/10 A/22...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/26...12 AWG		
Ordering data			Version											
WTW			WAP			Wemid			Wemid			Wemid		
						Cat. No. Qty.			Cat. No. Qty.			Cat. No. Qty.		
						102180 100			102190 100			102160 100		

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

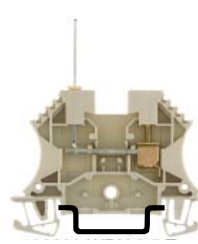
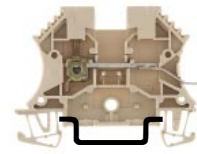
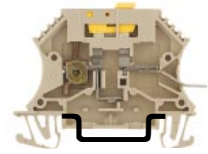
WDK 2.5 FF



WDK 2.5 FFV

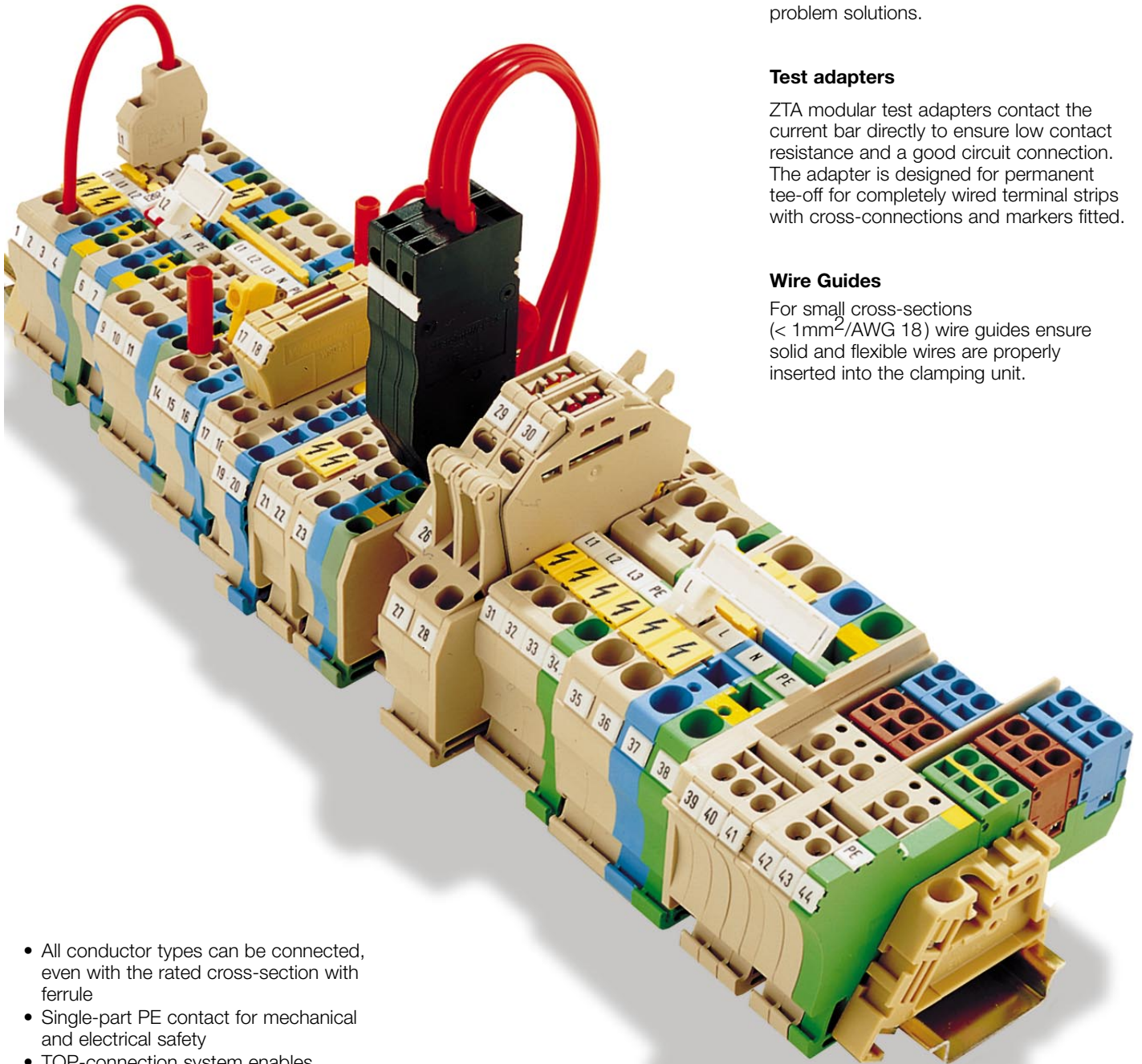
WDK 2.5 T
WDK 2.5 TT

WDU 2.5 T

WDU 2.5 L
WDU 2.5 LLWTR 2.5 L
WTR 2.5 LL

12 A/-	12 A/-	10 A/-	10 A/-	15 A/-	10 A/-
5/75/63	5/75/63	5/69/63/78	5/60/47/70	5/60/64/47	5/60/64/47
-/-/-	-/-/-	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	10 mm/M 2,5/3,5 x 0,6
500 V m. IH/12 (2x6) A/1 mm ²	500 V m. IH/12 (2x6) A/1 mm ²	125 V/10 A/2,5 mm ²	125 V/10 A/2,5 mm ²	400 V/15 A/2,5/1,5 mm ²	400 V/14 A/1,5 mm ²
6 kV/3	6 kV/3	2,5 kV/3	2,5 kV/3	6 kV/3	6 kV/3
		0,4...0,8	0,4...0,8	0,4...0,8	
		1	1	1	
		0,5...4	0,5...4	0,5...4/1,5	0,5...1,5
-	-	1,5...4	1,5...4	0,5/1,5...4/1,5	1,5
-	-	0,5...4	0,5...4	0,5...4/1,5	0,5...1,5
0,5...1	0,5...1	0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
-	-	0,5...2,5 ¹⁾	0,5...2,5 ¹⁾	0,5...2,5 ¹⁾	0,5...2,5 ¹⁾
		0,13...4	0,13...4	0,13...4	0,13...4
12	12	32	32	32	26
12	12	32	32	32	26
300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG	-	300 V/20 (2x10) A/26...16 AWG	-	-
300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	-	-	-	-
Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.
102170 100	102250 100	right pin 0,8x1,6 vt 102380 100	left pin 1x1 102200 100	Screw - Solder 102210 100	Screw - Solder 101380 100
		right pin 0,8x2,4 vt 102390 100	right pin 1x1 102270 100	Solder - Solder 102220 100	Solder - Solder 101390 100
		right+ left 0,8x2,4 vt 157720 100	left pin 0,8x2,4 vt 102120 100		
			left pin 0,8x2,4 ho 103690 100		
102178 100					
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 105910 20	WAP 105910 20	WAP 2.5-10 105910 50	WAP 2.5-10 105000 50	WAP 2.5-10 105000 50	WAP 2.5-10 105000 50
WAP 105918 20	WAP 105918 20	WAP 2.5-10 105918 50		WAP 2.5-10 105008 50	WAP 2.5-10 105008 50
WTW (Ex) e 105880 20	WTW (Ex) e 105880 20	WTW 2.5-10 105010 20		WTW 2.5-10 105010 20	WTW 2.5-10 105010 20
		WTW 2.5-10 105018 20		WTW 2.5-10 105018 20	WTW 2.5-10 105018 20
WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	WQV 2.5/2 105366 50	QL 2 021586 100
WQV 2.5/3 105376 50	WQV 2.5/3 105376 50	WQV 2.5/3 105376 50	WQV 2.5/3 105376 50	WQV 2.5/3 105376 50	QL 3 021590 100
WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	WQV 2.5/4 105386 50	QL 4 021600 50
WQV 2.5/10 105446 20	WQV 2.5/10 105446 20	WQV 2.5/10 105446 50	WQV 2.5/10 105446 50	WQV 2.5/10 105446 50	QL 10 033800 20
LS 2.8 105640 50	LS 2.8 105640 50	LS 2.8 105640 50	LS 2.8 105640 50	LS 2.8 105640 50	BS-M 2,5x4,5 106270 100
WAW 1 900450 -	WAW 1 900450 -	WAW 1 900450 -	WAW 1 900450 -	WAW 1 900450 -	
TA 1 053586 20	TA 1 053586 20	TA 1 053586 20		WTA 2 163232 50	
		WTA 5/1 105126 25	WTA 5/1 105126 25	WTA 2/ZA 163233 50	
				WTA 2/10 163234 5	
				ZE 1 163215 50	
IH 2.8 038606 100	IH 2.8 038606 100				
		PS 2.3 (ø 2,3) 018040 20	PS 2.3 (ø 2,3) 018040 20	PS 2.3 (ø 2,3) 018040 20	
		StB 8.5 (ø 2,3) 021570 50	StB 8.5 (ø 2,3) 021570 50	StB 8.5 (ø 2,3) 021570 50	
ADP 3 048540 1 m	ADP 3 048540 1 m				
HP 3 048576 20	HP 3 048576 20				
				WAD 5 105346 50	
				WAD 5 white 105606 50	
WT 4 134106 100	WT 4 134106 100	WT 4 134106 100	WT 4 134106 100	WGB 5 105076 50	
SF 10 033240 1000	SF 10 033240 1000	SF 10 033240 1000	SF 10 033240 1000	T 5 034850 100	T 5 034850 100
SG 10 033250 1000	SG 10 033250 1000	SG 10 033250 1000	SG 10 033250 1000	SF 10 033240 1000	SF 10 033240 1000
				SG 10 033250 1000	SG 10 033250 1000
DEK 5 047346 -	DEK 5 047346 -	DEK 5 047346 -	DEK 5 047346 -	DEK 5 047346 -	DEK 5 047346 -
DEK 5 047356 -	DEK 5 047356 -	DEK 5 047356 -	DEK 5 047356 -	DEK 5 047356 -	DEK 5 047356 -
WS 8/5 164074 -	WS 8/5 164074 -	WS 8/5 164074 -	WS 12/5 160986 -	WS 12/5 160986 -	WS 12/5 160986 -
WS 8/5 158008 -	WS 8/5 158008 -	WS 8/5 158008 -	WS 12/5 144746 -	WS 12/5 144746 -	WS 12/5 144746 -

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.

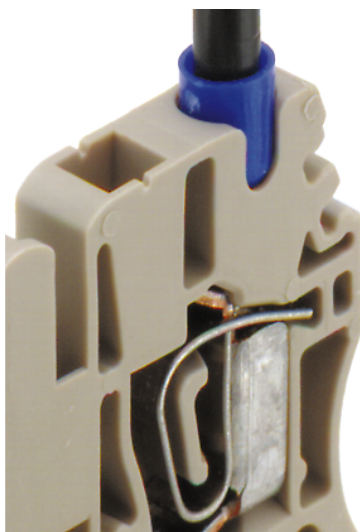
Wire Guides

For small cross-sections ($< 1\text{mm}^2/\text{AWG } 18$) 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.



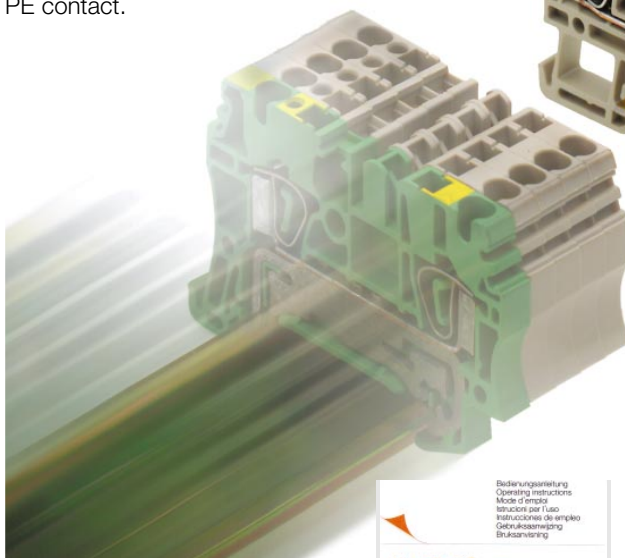
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

Cross-connection system

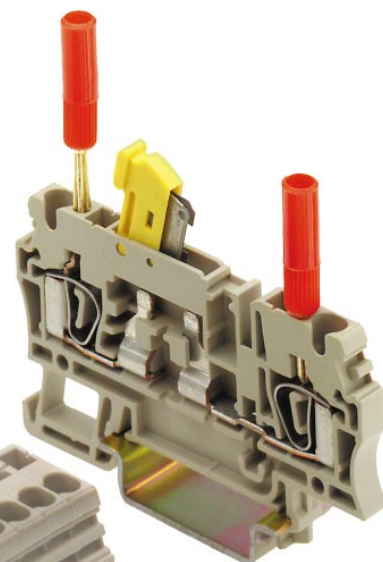
Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units; no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can 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.



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



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.

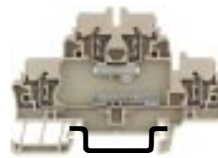
Feed-through terminal blocks and terminal blocks with electronic components

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	5/79/54	5/79/54		
Insulation stripping length		mm		10	10	10	10	10	10		
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989											
Rated voltage / current / cross-section				500 V/24 A/2.5 mm ²	500 V/24 A/2.5 mm ²	500 V/24 A/2.5 mm ²	-- V/24 A/2.5 mm ²				
Rated impulse voltage / pollution severity				6 kV/3	6 kV/3	6 kV/3	6 kV/3				
Further technical data											
Clampable conductor:											
solid H07V-U		mm ²		0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5				
flexible H07V-K		mm ²		0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5				
with ferrule to DIN 46 228/1 ¹⁾		mm ²		0.5...1,5 ²⁾	0.5...1,5 ²⁾	0.5...1,5 ²⁾	0.5...1,5 ²⁾				
with ferrule with plastic insulating collar**		mm ²		0.5...1,5	0.5...1,5	0.5...1,5	0.5...1,5				
Max. Clamping Range in mm ² Gauge pin to IEC 947-1/1988		Size		0,13...2,5	A2	A2	0,13...2,5	A2	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				
UL / CSA rated data											
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.
		Wemid	ZDK 2.5/1.5	167430	50	ZDK2.5/1.5 v	168999	50	ZDK2.5/1.5N-DU	168996	50
		Blue Wemid	ZDK 2.5/1.5 BL	167863	50				ZDK2.5/1.5DU-PE	168997	50
		Orange PA	ZDK 2.5/1.5 OR	169414	50						

End plate / partition

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

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

	ZTA	With pin	ZTA 4 / ZA	168811	25	ZTA 4 / ZA	168811	25	ZTA 4 / ZA	168811	25	ZTA 4 / ZA	168811	25
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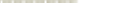
Screwdriver

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
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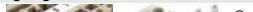
Group marking

ZGB							
ESO	Blank snap-on tag	ZGB 30	161193	20	ZGB 30	161193	20
STR	Transparent protective cover	ESO 7	160772	240	ESO 7	160772	240
		STR 7	051530	20	STR 7	051530	20

Reducing sleeves****

ZRH for conductor 0,13...0,2 mm ²		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 ²		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 ²		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

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
		DEK	ZS											

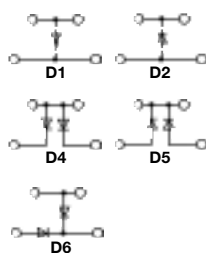
See page 2/60 as well as section 3 for additional accessories

¹⁾ Ferrules crimped gas-tight

* Approvals applied for
**** Standard pack includes 100 strips for 10 poles each

²⁾ Crimped with Weidmüller-Crimping tool PZ 6/5
(Cat. No. 901146) 2,5 mm² possible too

ZDK 2.5/1.5/D/1...6



*** current of through-busbar = 10 A

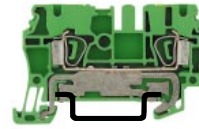
Protective conductor terminal blocks

ZPE 2.5-2/3AN

ZPE 2.5-2/4AN

ZPE 2.5

ZPE 2.5/3AN



Dimensions

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

Insulation stripping length mm

Bemessungsdaten IEC947-7-2

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 mm²
flexible H07V-K mm²
with ferrule to DIN 46 228/1** mm²
with ferrule with plastic insulating collar** mm²

Max. Clamping Range in mm²/Gauge pin to IEC 947-1/1988 Size

UL / CSA rated data

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

Ordering data

Version

Green/yellow Wemid

Type Cat. No. Qty.
ZPE 2.5-2/3AN 170609 100

Type Cat. No. Qty.
ZPE 2.5-2/4AN 170610 100

Type Cat. No. Qty.
ZPE 2.5 160864 100

Type Cat. No. Qty.
ZPE 2.5/3AN 160865 100

End plate / partition

Version

ZAP/TW Beige Wemid

ZAP/TW7 170611 50

ZAP/TW7 170611 50

ZAP/TW1 160874 50

ZAP/TW2 160877 50

Support block

SH



For insulation of
mounting rails in
insulated-earth installations

SH 2 049492 10

SH 2 049492 10

SH 2 049492 10

SH 2 049492 10

Test adapter

Version

ZTA

Without pin

With pin

PS

TA



ZTA 4/ZA 168811 25

TA 1 053586 20

ZTA 4/ZA 168811 25

TA 1 053586 20

ZTA 1 160904 25

ZTA 1/ZA 160905 25

TA 1 053586 20

PS 2.3 018040 20

PS 2.0 029380 20

ZTA 1 160904 25

ZTA 1/ZA 160905 25

TA 1 053586 20

PS 2.3 018040 20

PS 2.0 029380 20

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

Group marking

ZGB

ESO Blank snap-on tag

STR Transparent protective cover



ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

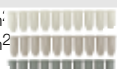
Reducing sleeves**

Colour

ZRH for conductor 0,13...0,2 mm² White

ZRH for conductor 0,25...0,5 mm² Grey

ZRH for conductor 0,75...1 mm² Dark grey



ZRH 1.5H/1 167881 100

ZRH 1.5H/2 167880 100

ZRH 1.5H/3 167879 100

ZRH 1.5H/1 167881 100

ZRH 1.5H/2 167880 100

ZRH 1.5H/3 167879 100

ZRH 2.5/1 161430 100

ZRH 2.5/2 161429 100

ZRH 2.5/3 161428 100

ZRH 2.5/1 161430 100

ZRH 2.5/2 161429 100

ZRH 2.5/3 161428 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

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 mm² possible too

ZPE 2.5/4AN

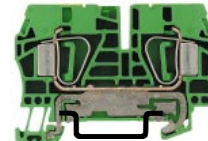
ZDK 2.5/1.5 PE

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 ²			-V/-A/2,5 mm ²			-V/24A/2,5 mm ²			-V/-A/2,5 mm ²			-V/-A/4 mm ²			-V/-A/6mm ²		
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 ¹⁾			0,5...1,5 ¹⁾			0,5...1,5 ¹⁾			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...2,5	A2		0,21...6	A4		0,21...10	A5	
-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.	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 2	160906	25	ZTA 3	165405	25
ZTA 1/ZA	160905	25	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 2/ZA	160907	25			
TA 1	053586	20										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

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

Combined arrangement

8/79/74

10

500 V/6,3 A/2,5 mm²

6 kV/3

5 x 20 mm

W 2,5

W 1,6

12/79/74

10

500 V/10 A/2,5 mm²

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 mm² 0,5...4

flexible H07V-K mm² 0,5...4

with ferrule to DIN 46 228/1*** mm² 0,5...2,5

with ferrule with plastic insulating collar*** mm² 0,5...2,5

Max. Clamping Range in mm²/Gauge pin to IEC 947-1/1988 Size 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 600 V/10 A/26...12 AWG

Voltage / current / conductor size CSA 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~

End plate / partition	Version
	Wemid
	Blue Wemid
	Orange PA
ZAP/TW	Wemid
ZAP TNHE/ZSI 2.5	Wemid

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

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.



Cross-connection

ZQV	
-----	---

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



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
--------------	--------	---

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

Marking tags

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

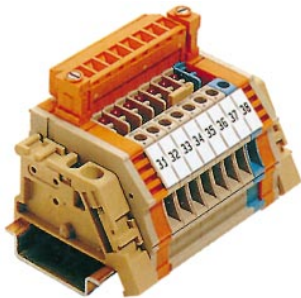
Cat.-Nr. for G-fuse inserts see Page 2/93

Modular terminal blocks for plug-in connectors

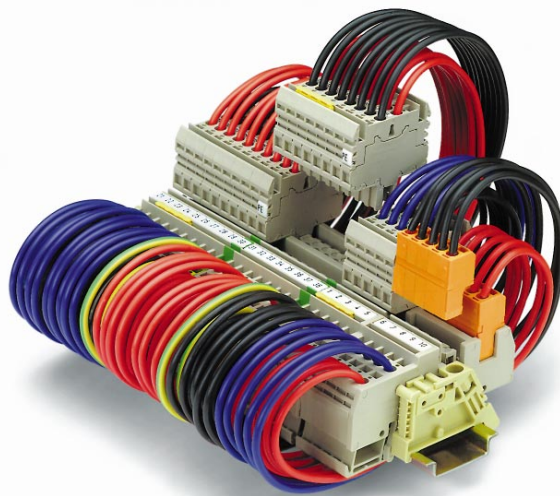
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

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.

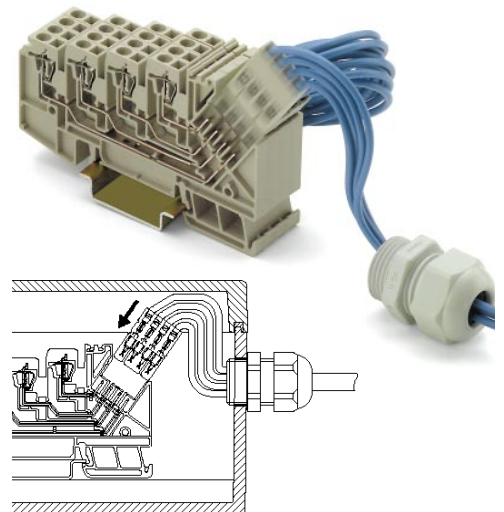
WDU 2.5/BLZ WDK 2.5/BLZ



ZKBD 2.5/1.5 ZKSD 2.5/1.5



ZRV 1.5



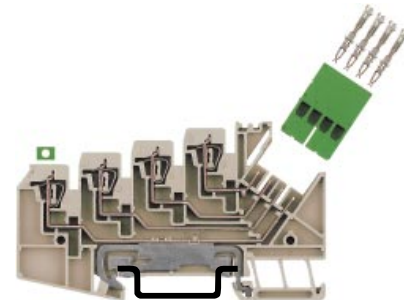
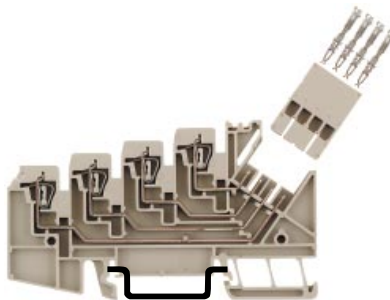
All types can be coded without reducing the number of available connections. The terminals can be used for up to 20 or 18.5 A. The WDK version saves significantly on space as it not only takes up less room along the mounting rail, but also across, as two identical connectors can be plugged in from the 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**

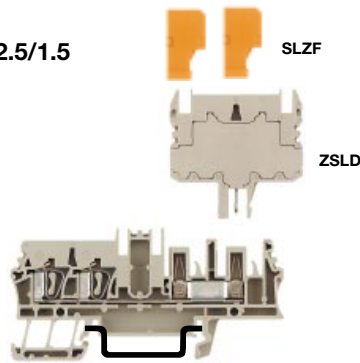
Dimensions		Base terminal	Plug-in connector	Base terminal	Plug-in connector
Width / length / height (mm)		5,0/89,2/51,8	5,0/23,0/16,8	5,0/89,2/51,8	5,0/23,0/16,8
Width / length / height (mm) with TS 35 x 7,5		-	-	-	-
Including plugged connector:		-	-	-	-
Width / length / height (mm) with TS 35 x 7,5		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/-/-
VDE rated data, VDE 0611					
Rated voltage / current / cross-section		63 V/4 A/1,5 mm ²	63 V/4 A/1,0 mm ²	63 V/4 A/1,5 mm ²	63 V/4 A/1,0 mm ²
Further technical data					
Clampable conductor:	mm ²	Tension clamp connection	Tension clamp connection	Tension clamp connection	Tension clamp connection
solid H07V-U	mm ²	0,13...2,5	-	0,13...2,5	-
flexible H07V-K	mm ²	0,5...2,5	-	0,5...2,5	-
with ferrule to DIN 46 228/1	mm ²	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 ²	0,5...1,5	-	0,5...1,5	-
Max. Clamping Range in mm ²	Gauge pin to IEC 947-1/1988	0,5...1,5	-	0,5...1,5	-
Size		0,13...2,5 A1	-	0,13...2,5 A1	-
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	150 V/10 A/26...14 AWG
Voltage / current / conductor size	CSA	submitted	submitted	submitted	submitted
Ordering data		Type	Cat. No. Qty.	Type	Cat. No. Qty.
		ZRV 1.5	169816 50	STGH ZRV 1.5	169819 50
				ZRV 1.5 PE	169817 50
				STGH ZRV1.5/PE	169820 50
Crimp contacts/Crimping tool					
0,2...0,35 mm ²			170533 5000		170533 5000
0,2...0,35 mm ²			170531 500		170531 500
0,5...1,0 mm ²			170534 5000		170534 5000
0,5...1,0 mm ²			170532 500		170532 500
Crimping tool HTF - ZRV			901484 1		901484 1
Crimping insert			170535 1		170535 1
End Plate					
		AP ZRV1.5	169818 10	-	AP ZRV1.5
					169818 10
Cross-connection					
ZQV 2.5	2-pole	ZQV 2.5/2	160886 60	ZQV 2.5/2	160886 60
	3-pole	ZQV 2.5/3	160887 60	ZQV 2.5/3	160887 60
	4-pole	ZQV 2.5/4	160888 60	ZQV 2.5/4	160888 60
	5-pole	ZQV 2.5/5	160889 20	ZQV 2.5/5	160889 20
	7-pole	ZQV 2.5/7	160191 20	ZQV 2.5/7	160191 20
	8-pole	ZQV 2.5/8	160192 20	ZQV 2.5/8	160192 20
	9-pole	ZQV 2.5/9	160193 20	ZQV 2.5/9	160193 20
	10-pole	ZQV 2.5/10	160194 20	ZQV 2.5/10	160194 20
	50-pole*	ZQV 2.5/50	169754 20	ZQV 2.5/50	169754 20
Screwdriver					
SD to DIN 5264-A		SD 0,6 x 3,5	902423 1	SD 0,6 x 3,5	902423 1
					
Marking tags					
		dekafix, WS 10	E-Fix unprinted	dekafix, WS 10	E-Fix unprinted
DEK			157372 Var.0002		157372 Var.0002
ZS					

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

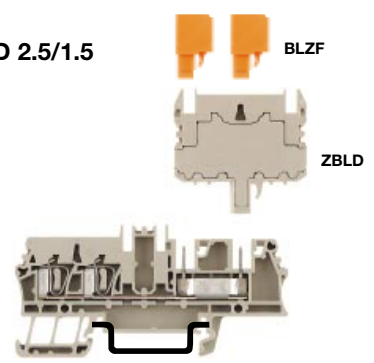
* Cross-connection can be easily cut off for required number of poles

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 mm²
flexible H07V-K mm²
with ferrule to DIN 46 228/1** mm²
with ferrule with plastic insulating collar** mm²
Max. Clamping Range in mm²/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 8 5/79/49 7

250 V/16 A/2,5 mm² 250 V/16 A/1,5 mm²

4 kV/3 4 kV/3

0,5...2,5 0,5...2,5

0,5...2,5 0,5...2,5

0,5...1,5¹⁾ 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.

ZKBD 2.5 /1.5 168826 100

Type Cat. No. Qty. Type Cat. No. Qty.

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

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

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

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

ZKSD / ZBLD ZKSD / BLZF

5/79/62 8 5/79/49 7

250 V/16 A/2,5 mm² 250 V/16 A/1,5 mm²

4 kV/3 4 kV/3

0,5...2,5 0,5...2,5

0,5...2,5 0,5...2,5

0,5...1,5¹⁾ 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

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*

Type Cat. No. Qty.

ZKSD 2.5 /1.5 169761 100

Type Cat. No. Qty. Type Cat. No. Qty.

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

ZBLD2.5/1.5/4 169765 25 BLZF 5,08/4 167993 100

ZBLD2.5/1.5/5 169766 20 BLZF 5,08/5 167994 50

ZBLD2.5/1.5/6 169767 20 BLZF 5,08/6 167995 50

ZBLD2.5/1.5/7 169768 20 BLZF 5,08/7 167996 50

ZBLD2.5/1.5/8 169769 20 BLZF 5,08/8 167997 50

ZBLD2.5/1.5/9 169770 10 BLZF 5,08/9 167998 50

ZBLD2.5/1.5/10 169771 10 BLZF 5,08/10 167999 50

ZBLD2.5/1.5/11 169772 10 BLZF 5,08/11 168000 50

ZBLD2.5/1.5/12 169773 10 BLZF 5,08/12 168001 50

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

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

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

End plate / partition/Fixing bracket Version

ZAP Wemid

Orange PA

Orange 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 mm² White

ZRH for conductor 0,25...0,5 mm² Grey

ZRH for conductor 0,75...1 mm² 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

* Approvals applied for

** Ferrules crimped gas-tight

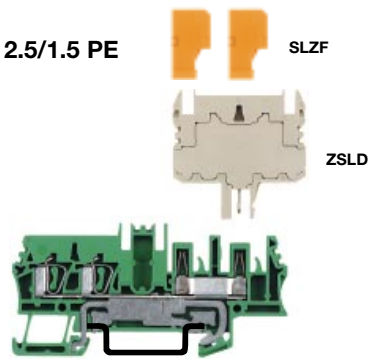
*** Standard pack includes 100 strips for 10 poles each

¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5

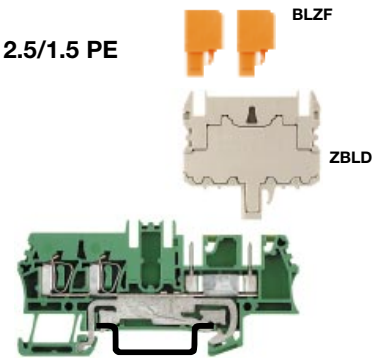
(Cat. No. 901146) 2,5 mm² possible too

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
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 ²
flexible H07V-K	mm ²
with ferrule to DIN 46 228/1**	mm ²
with ferrule with plastic insulating collar**	mm ²
Max. Clamping Range in mm ² /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	Green/yellow Wemid

Connector

End plate / partition/Fixing bracket	Version
ZAP	Wemid
	Orange PA
	Orange PA

Support block	
SH	
	For insulation of mounting rails in insulated-earth installations

Test adapter	Version
ZTA	With pin

Screwdriver	
SD to DIN 5264-A	

Group marking	
ZGB	
ESO	Blank snap-on tag
STR	Transparent protective cover

Reducing sleeves***	Colour
ZRH for conductor 0,13...0,2 mm ²	White
ZRH for conductor 0,25...0,5 mm ²	Grey
ZRH for conductor 0,75...1 mm ²	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

ZKBD PE / ZSLD	ZKBD PE / SLZF
5/79/62	5/79/49
8	7
-V/-A/2,5 mm ²	-V/-A/1,5 mm ²
250 V/4 kV/3	250 V/4 kV/3

0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2
0,13...2,5	A1

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*	

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

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

SH 2	049492	10
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ZTA 4/ZA	168811	25
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SD 0,6 x 3,5	902423	1
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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

ZKSD PE / ZBLD	ZKSD PE / BLZF
5/79/62	5/79/49
8	7
-V/-A/2,5 mm ²	-V/-A/1,5 mm ²
250 V/4 kV/3	250 V/4 kV/3

0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2
0,13...2,5	A1

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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

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

SH 2	049492	10
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ZTA 4/ZA	168811	25
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SD 0,6 x 3,5	902423	1
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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

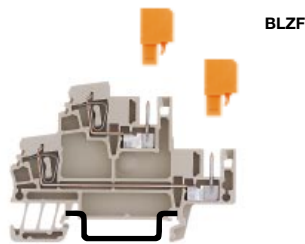
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5 (Cat. No. 901146) 2,5 mm² possible too

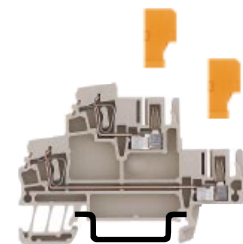
Pluggable Terminal blocks

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	250 V/16 A/2,5 mm ²
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity	4 kV/3
Further technical data	
Clampable conductor:	
solid H07V-U	mm ²
flexible H07V-K	mm ²
with ferrule to DIN 46 228/1**	mm ²
with ferrule with plastic insulating collar**	mm ²
Max. Clamping Range in mm ² / 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	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 ²	White
ZRH for conductor 0,25...0,5 mm ²	Grey
ZRH for conductor 0,75...1 mm ²	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

* Approvals applied for
 ** Ferrules crimped gas-tight
 *** Standard pack includes 100 strips for 10 poles each

ZDKS	BLZF
5/79/62	5/79/49
8	7
250 V/16 A/2,5 mm ²	250 V/16 A/1,5 mm ²
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 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	
*	
*	

Type	Cat. No.	Qty.
ZDKS	169961	100
BLZF 5.08/2	167991	100
BLZF 5.08/3	167992	100
BLZF 5.08/4	167993	100
BLZF 5.08/5	167994	50
BLZF 5.08/6	167995	50
BLZF 5.08/7	167996	50
BLZF 5.08/8	167997	50
BLZF 5.08/9	167998	50
BLZF 5.08/10	167999	50
BLZF 5.08/11	168000	50
BLZF 5.08/12	168001	50
ZAP/ZDKB/ZDKS	169962	20
ZVR2 ZDKS 2.5/1.5	169964	20

ZQV 2.5N/2	169380	60
ZQV 2.5N/3	169381	60
ZQV 2.5N/4	169382	60
ZQV 2.5N/5	169383	20
ZQV 2.5N/6	169384	20
ZQV 2.5N/7	169385	20
ZQV 2.5N/8	169386	20
ZQV 2.5N/9	169387	20
ZQV 2.5N/10	169388	20
ZQV 2.5N/50	169389	5
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

ZDKS	BLZF
ZRH 1.5H /1	167881 100
ZRH 1.5H /2	167880 100
ZRH 1.5H /3	167879 100
ZRH 1.5N /1	163214 100
ZRH 1.5N /2	163213 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

¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5
 (Cat. No. 901146) 2,5 mm² possible too

ZDKB	SLZF
5/79/62	5/79/49
8	7
250 V/16 A/2,5 mm ²	250 V/16 A/1,5 mm ²
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 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	
*	
*	

Type	Cat. No.	Qty.
ZDKB	169960	100
SLZF 5.08/2	167945	100
SLZF 5.08/3	167946	100
SLZF 5.08/4	167947	100
SLZF 5.08/5	167948	50
SLZF 5.08/6	167949	50
SLZF 5.08/7	167950	50
SLZF 5.08/8	167951	50
SLZF 5.08/9	167952	50
SLZF 5.08/10	167953	50
SLZF 5.08/11	167954	50
SLZF 5.08/12	167955	50
ZAP/ZDKB/ZDKS	169962	20
ZVR1 ZDKS 2.5/1.5	169963	20

ZQV 2.5N/2	169380	60
ZQV 2.5N/3	169381	60
ZQV 2.5N/4	169382	60
ZQV 2.5N/5	169383	20
ZQV 2.5N/6	169384	20
ZQV 2.5N/7	169385	20
ZQV 2.5N/8	169386	20
ZQV 2.5N/9	169387	20
ZQV 2.5N/10	169388	20
ZQV 2.5N/50	169389	5
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

ZDKB	SLZF
ZRH 1.5H /1	167881 100
ZRH 1.5H /2	167880 100
ZRH 1.5H /3	167879 100
ZRH 1.5N /1	163214 100
ZRH 1.5N /2	163213 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

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

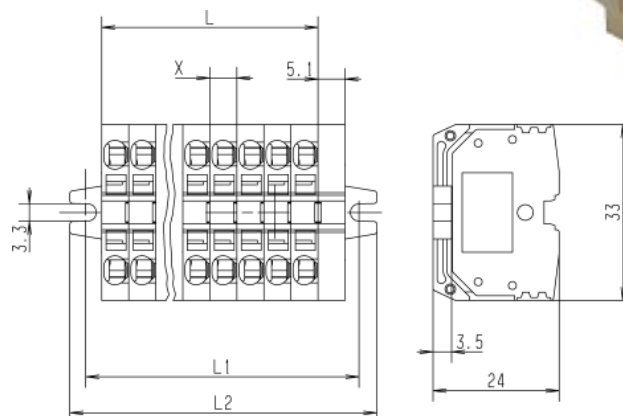
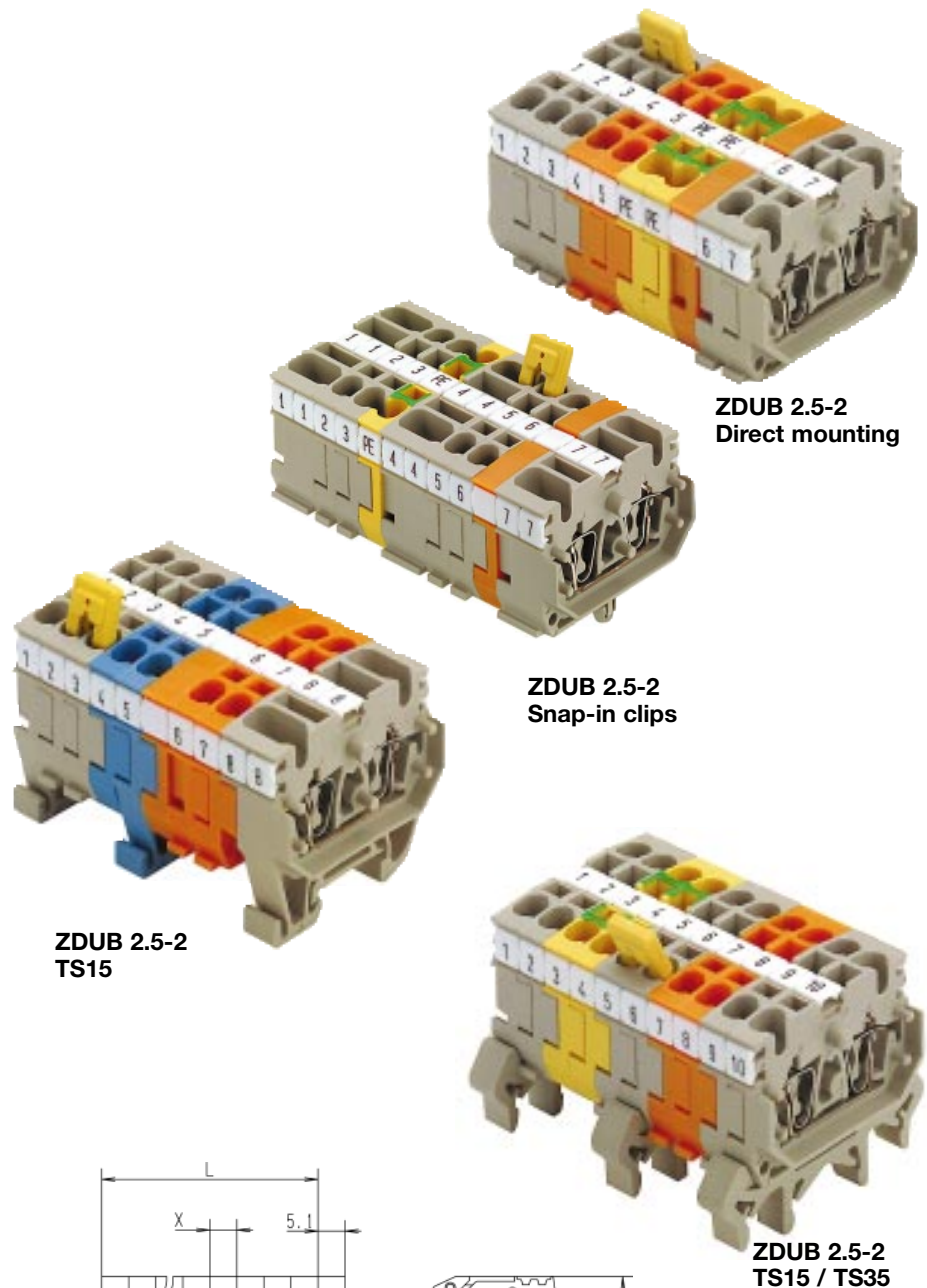
With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By 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



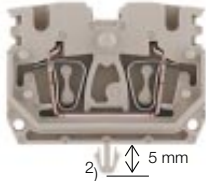
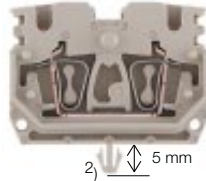
Rated data IEC 947-7-1

Rated voltage	800 V
Rated current	24 A
Rated cross-section	2,5 mm ²

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	ZDUB 2.5-2/4AN	ZDUB 2.5-2/2AN	ZDUB 2.5-2/4AN
	Direct mounting	Direct mounting	Snap-in clips	Snap-in clips
				
				
Dimensions				
Width / length / height (mm)	with TS 15  5/33/24	10/33/24	5/33/24	10/33/24
Insulation stripping length	mm 10	10	10	10
Rated data IEC 947-7-1				
Rated voltage / current / cross-section	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²
Rated insulation voltage to the neighbor terminals				
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Clampable conductor:				
solid H07V-U	mm ² 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
flexible H07V-K	mm ² 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
with ferrule to DIN 46 228/1**	mm ² 0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
with ferrule with plastic insulating collar**	mm ² 0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
Max. Clamping Range in mm ² /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
UL / CSA rated data				
Voltage / current / conductor size	UL - *	600V/20A/26...12AWG	- *	600V/20A/26...12AWG
Voltage / current / conductor size	CSA - *	- *	- *	- *
Ordering data	Version	Type	Cat. No.	Qty.
Centreterminals ZDUB 2.5-2/2AN and 4AN	beige Wemid	2AN/DM	170435	100
to be used with TS 15 or Clip versions,	blue Wemid	2AN/DM BL	170436	100
in case each individual terminal is not	orange PA	2AN/DM OR	170437	100
equipped with clip or foot	yellow/green Wemid	2AN/DM GE	170438	100
Endterminal ZDUB 2.5-2	beige Wemid	2AN/DB	170450	100
with flange.	blue Wemid	2AN/DB BL	170451	100
Necessary for customer assembly of	orange PA	2AN/DB OR	170452	100
individual No. of poles	yellow/green Wemid	2AN/DB GE	170453	100
Multipole terminals ZDUB 2.5-2	2 pol	2AN/2/DB	170439	50
Special versions out off 2AN and 4AN	3 pol	2AN/3/DB	170440	50
as well as other colours will be supplied	4 pol	2AN/4/DB	170441	20
upon customer request.	5 pol	2AN/5/DB	170442	20
	7-pole	2AN/6/DB	170443	20
	8-pole	2AN/7/DB	170444	20
	9-pole	2AN/8/DB	170445	10
	10-pole	2AN/9/DB	170446	10
	11-pole	2AN/10/DB	170447	10
	12-pole	2AN/11/DB	170448	10
		2AN/12/DB	170449	10
Fixing bracket		ZBB ZDUB	170474	50
Necessary for customer assembly of				
individual No. of poles				
Clip-on combifoot TS15 / TS35 for direct mounting versions		MOFU 15/35 ZDUB		
		172366	50	
End plate				
ZAP ZDUB = Thickness 5 mm	Wemid			
ZAP/TW ZDUA = Thickness 1.5 mm	Blue Wemid			
	Orange Wemid			
Partition				
Thickness 5 mm	Orange Wemid	ZTW ZDUB	170434	50
Cross-connection				
ZQB 2.5 für ZDUB-Type	2-pole			
ZQV 2.5N für ZDUA-Type	3-pole	ZQB 2.5	167712	50
	4-pole			
	10-pole			
Screwdriver				
SD to DIN 5264-A		SD 0,6 x 3,5	902423	1
				
Marking tags	Print			
DEK	Consecutive horizontal	DEK 5	047346	500
DEK	Consecutive vertical	DEK 5	047356	500
ZS 10	Blank	ZS 10/5	161000	480
ZS 10	printed	ZS 10/5	161001	480
	DEK			
	ZS			
See page 2/60 as well as section 3 for additional accessories				

* Approvals applied for
** Ferrules crimped gas-tight

¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5
(Cat. No. 901146) 2,5 mm² possible too

²⁾ Mountinghole for clip ø 3,5 mm
Steelthickness 0,6 -1,2 m, pitch 5,1 or 10,2

ZDUB 2.5-2/2AN

TS 15



5/33/32	10/33/32
10	10
800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²
8 kV/3	8 kV/3
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,13...2,5	0,13...2,5
A2	A2

			600V/20A/26...12AWG		
- *			- *		
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
2AN/15	171275	100	4AN/15	171278	100
2AN/15 BL	171276	100	4AN/15 BL	171279	100
2AN/15 OR	171277	100	4AN/15 OR	171280	100

2AN/2/15	171433	50	4AN/2/15	171444	50
2AN/3/15	171434	50	4AN/3/15	171445	50
2AN/4/15	171435	20	4AN/4/15	171446	20
2AN/5/15	171436	20	4AN/5/15	171447	20
2AN/6/15	171437	20	4AN/6/15	171448	20
2AN/7/15	171438	20	4AN/7/15	171449	20
2AN/8/15	171439	10	4AN/8/15	171450	10
2AN/9/15	171440	10	4AN/9/15	171451	10
2AN/10/15	171441	10	4AN/10/15	171452	10
2AN/11/15	171442	10	4AN/11/15	171453	10
2AN/12/15	171443	10	4AN/12/15	171454	10

ZAP ZDUB	170475	50	ZAP ZDUB	170475	50
ZAP ZDUB BL	170476	50	ZAP ZDUB BL	170476	50
ZAP ZDUB OR	170477	50	ZAP ZDUB OR	170477	50
ZTW ZDUB	170434	50	ZTW ZDUB	170434	50
			ZQB 2.5	167712	50

SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1
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DEK 5	047346	500	DEK 5	047346	500
DEK 5	047356	500	DEK 5	047356	500
ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10/5	161001	480	ZS 10/5	161001	480

ZDUB 2.5-2/4AN

TS 15



5/33/32	10/33/32
10	10
IEC 947-7-2	
- I-/2,5 mm ²	
800 V	
8 kV/3	
0,5...2,5	
0,5...2,5	
0,5...1,5 ¹⁾	
0,5...1,5 ¹⁾	
0,13...2,5	
A2	

800V/20A/26...12AWG			- *		
- *			- *		
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
4AN/15	171278	100			
4AN/15 BL	171279	100			
4AN/15 OR	171280	100			
			2AN/15	171281	100

2AN/2/15	171444	50	4AN/2/15	171444	50
2AN/3/15	171445	50	4AN/3/15	171445	50
2AN/4/15	171446	20	4AN/4/15	171446	20
2AN/5/15	171447	20	4AN/5/15	171447	20
2AN/6/15	171448	20	4AN/6/15	171448	20
2AN/7/15	171449	20	4AN/7/15	171449	20
2AN/8/15	171450	10	4AN/8/15	171450	10
2AN/9/15	171451	10	4AN/9/15	171451	10
2AN/10/15	171452	10	4AN/10/15	171452	10
2AN/11/15	171453	10	4AN/11/15	171453	10
2AN/12/15	171454	10	4AN/12/15	171454	10

ZAP ZDUB	170475	50	ZAP ZDUB	170475	50
ZAP ZDUB BL	170476	50	ZAP ZDUB BL	170476	50
ZAP ZDUB OR	170477	50	ZAP ZDUB OR	170477	50
ZTW ZDUB	170434	50	ZTW ZDUB	170434	50

SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1
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DEK 5	047346	500	DEK 5	047346	500
DEK 5	047356	500	DEK 5	047356	500
ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10/5	161001	480	ZS 10/5	161001	480

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

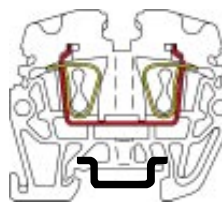
For attaching onto TS 15 mounting rails according to DIN EN 50045. ZDUA / ZPEA enable individual blocks of feed-through and protective conductive terminals to be assembled, whereby each terminal can be removed separately. With an overall width of 5 mm, the TOP connection system guarantees absolute clarity 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	5/35/30,5
10	10
500 V/24 A/2,5 mm ²	500 V/24 A/2,5 mm ²
6 kV / 3	6 kV / 3
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,13...2,5	0,13...2,5
A2	A2

- *			- *		
- *			- *		
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZDUA 2.5-2	172092	100			
ZDUA 2.5-2 BL	172093	100			
ZDUA 2.5-2 OR	172094	100			

ZAP/TW ZDUA	172096	50	ZAP/TW ZDUA	172096	50
ZAP/TW ZDUA BL	172096	50	ZAP/TW ZDUA BL	172096	50
ZAP/TW ZDUA OR	172096	50	ZAP/TW ZDUA OR	172096	50

ZQV 2.5N/2	169380	60	ZQV 2.5N/2	169380	60
ZQV 2.5N/3	169381	60	ZQV 2.5N/3	169381	60
ZQV 2.5N/4	169382	60	ZQV 2.5N/4	169382	60
ZQV 2.5N/10	169388	20	ZQV 2.5N/10	169388	20

SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1
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DEK 5	047346	500	DEK 5	047346	500
DEK 5	047356	500	DEK 5	047356	500
ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10/5	161001	480	ZS 10/5	161001	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



ZBWW

ZBW 1...6

ZST

Bus Support



ZQB 2.5

Cross-connection bridge



Dimensions

Width / length / height	mm
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 ²
flexible H07V-K	mm ²
with ferrule to DIN 46 228/1**	mm ²
with ferrule with plastic insulating collar**	mm ²
Max. Clamping Range in mm ² /Gauge pin to IEC 947-1/1988 Size	

Ordering data

Version

Type	Cat. No.	Qty.
ZZA 2.5	164669	50

Type	Cat. No.	Qty.
ZBW 1	166962	1
ZBW 2	165067	1
ZBW 3	165068	1
ZBW 4	165069	1
ZBW 6	165070	1
ZBW W	166963	1

Type	Cat. No.	Qty
ZST	167868	50

Type	Cat. No.	Qty.
ZQB	167712	50

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 mm² and 2.5 mm² 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

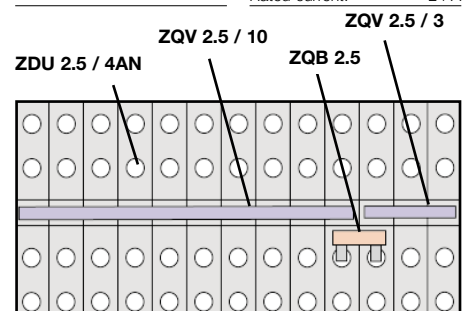
Marking tags



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



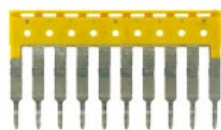
ZDUS

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	168483	20
SFEH 0.8x1.6/2	168482	20
SFEH 1x1 / 3	168481	20
SFEH 1x1 / 2	168480	20
SFEH 0.8x2.4/3	168485	20
SFEH 0.8x2.4/2	168484	20

The pin headers SFEH 2- and 3 poles are developed for Termi-Point® and Wire-wrap® 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).

Type	Cat. No.	Qty.
ZDUS	167664	50

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.

Type	Cat. No.	Qty.
ZQV 2.5/50	169754	20
ZQV 2.5N/50	169389	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.

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.

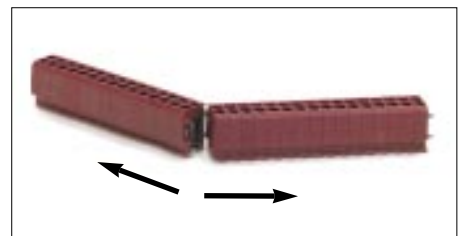
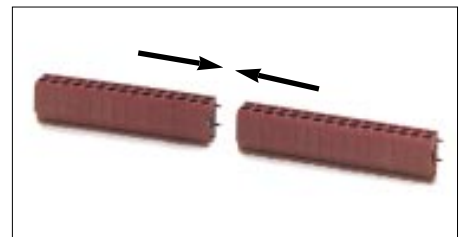
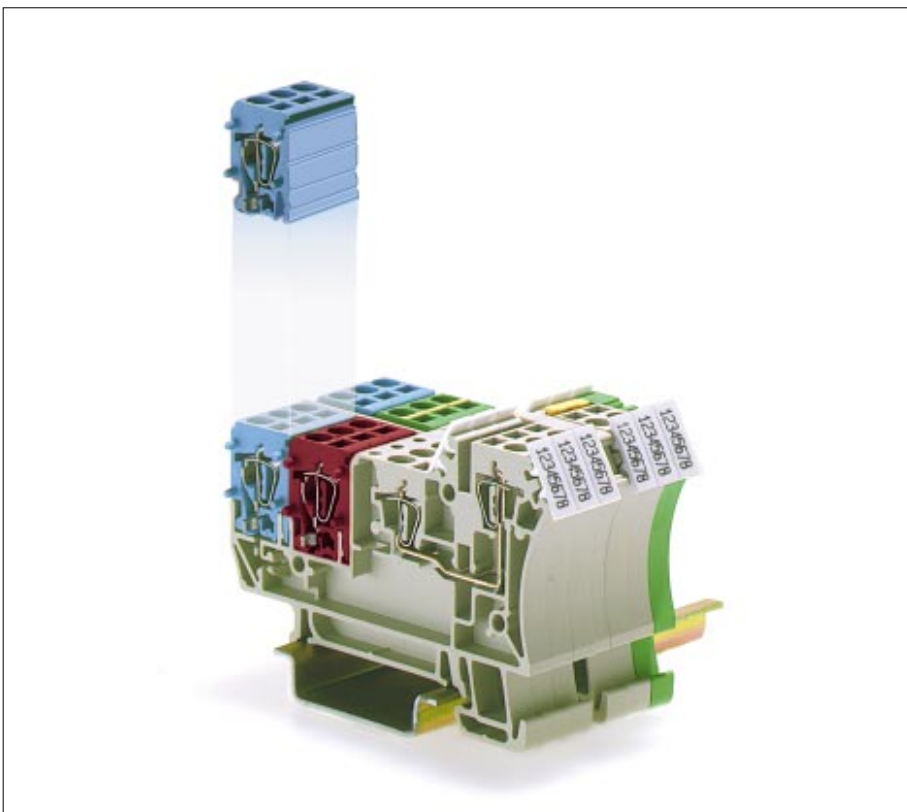
Marking systems

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

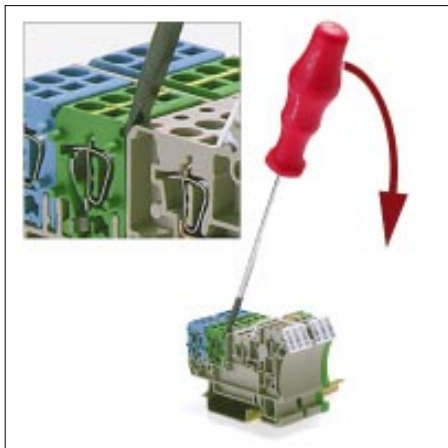
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

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 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.

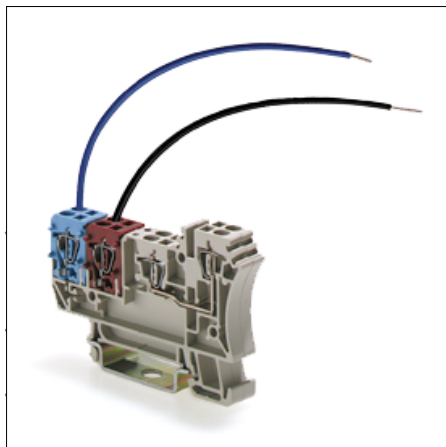
An example:

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.

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.

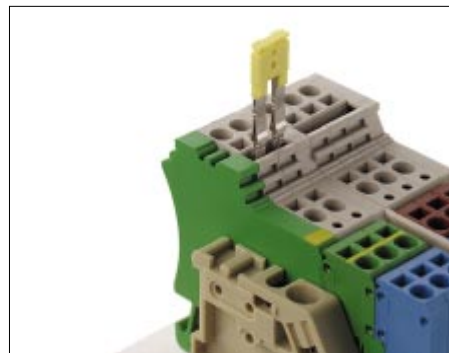


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The $n+1$ rule for the number of distributor elements also applies here. In other words, just 1 PE element 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

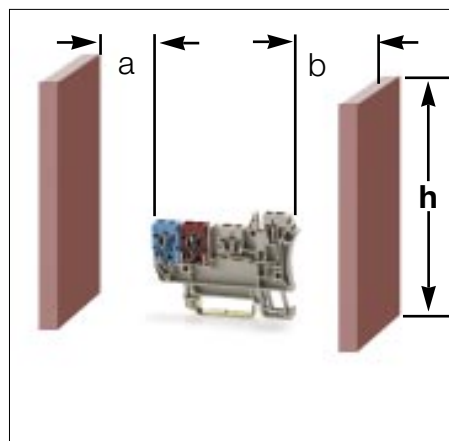
The TOP-connection also ensures easy access and easy-to-locate wiring. Wiring up the connector is easier and more reliable since wiring errors are quickly recognised. The strain on the wiring is lower with a TOP-connection. The combination with tension clamp technology improves user-friendliness.

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:

$a = 6 \text{ mm}$

$b = 11.5 \text{ mm}$ for 40 mm height
 $= 20.2 \text{ mm}$ for 60 mm height



ZIK•ZAK - Modular distribution system

Terminal base 3-way

Terminal base 4-way

Distribution strip

Block versions

Dimensions

Width / length / height (mm) Terminal base with TS 35 x 7,5 
Width / length / height (mm) Distribution
Insulation stripping length/clamping screw/screwdriver blade

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

Rated voltage / current / cross-section
Rated voltage / current / cross-section (mit LED)
Rated impulse voltage / pollution severity

Further technical data

Tightening torque Nm
Torque level with electric screwdriver type DMS2

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K und AEH DIN 46 228/1 mm²
Max. Clamping Range in mm²/Gauge pin to IEC 947-1/1988 Size

UL / CSA rated data

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

Ordering data

Terminal base 3-way
Terminal base 3-way 10 poles
Terminal base 3-way with LED for PNP and NPN*
PE-Terminal base 3-way

Terminal base 4-way
Terminal base 4-way 10 poles
Terminal base 4-way with LED for PNP and NPN*
PE-Terminal base 4-way
Wemid
brown Wemid
blue Wemid
green / yellow Wemid

3-way type:

for 8 Initiators
for 8 Actuators
for 16 Initiators
for 16 Actuators

4-way type:

for 8 Initiators with PE
for 16 Initiators with PE

End plate

Width / length / height (mm)
3.8/68/38
3.8/81/38



Cross-connection

for signal level
ZQV

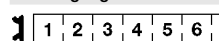


Screwdriver

SD to DIN 5264 A



Marking tags



Consecutive horizontal
Consecutive vertical

5,08/68/45,8

8 mm/-/3,5 x 0,6

250 V/17,5 A/1,5 mm²
5...30 V/17,5 A/1,5 mm²
4 kV/3

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

5,08/81/45,8

8 mm/-/3,5 x 0,6

250 V/17,5 A/1,5 mm²
5...30 V/17,5 A/1,5 mm²
4 kV/3

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

5/12,9/17,5

8 mm/-/3,5 x 0,6

250 V/17,5 A/1,5 mm²
5...30 V/17,5 A/1,5 mm²
4 kV/3

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

8 mm/-/3,5 x 0,6

250 V/17,5 A/1,5 mm²

4 kV/3

0,13...2,5

0,5...2,5

0,5...1,5

A 1

300 V/10 A/26...14 AWG

300 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
ZIA 1.5/3 L-1 S	165198	100
ZIA 1.5/3 L-1S/10	169261	10
ZIA 1.5/3 L 1 S/LD	165199	50
ZIA 1.5/3 L-PE	165200	20

300 V/10 A/26...14 AWG

300 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
ZIA 1.5/4 L-1 S	165201	100
ZIA 1.5/4 L-1 S/10	169262	5
ZIA 1.5/4 L 1 S/LD	165202	50
ZIA 1.5/4 L-PE	165203	20

300 V/10 A/26...14 AWG

300 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
ZVL 1.5	164930	100**
ZVL 1.5 BR	165037	100**
ZVL 1.5 BL	165036	100**
ZVL 1.5 PE	165197	100**

300 V/10 A/26...14 AWG

300 V/10 A/26...14 AWG

Type	Cat. No.	Qty.
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.		
ZIA 1.5/3L-1S/8/kB	169263	5
ZIA 1.5/3L-PE/8/kB	169265	5
ZIA 1.5/3L-1S/16/kB	169264	2
ZIA 1.5/3L-PE/16/kB	169266	2
ZIA 1.5/4L-PE/8/kB	169267	5
ZIA 1.5/3L-PE/16/kB	169268	2

ZAP/TW ZIA 1.5/3 L164954 50

ZAP/TW ZIA 1.5/4 L164955 50

Type	Cat. No.	Qty.
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

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5	047356	500

Type	Cat. No.	Qty.
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

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5 <td>047356</td> <td>500</td>	047356	500

Type	Cat. No.	Qty.
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

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5 <td>047356</td> <td>500</td>	047356	500

Type	Cat. No.	Qty.
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

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5 <td>047356</td> <td>500</td>	047356	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



alternatively



Terminal base 3-way with LED		
ZIA 1.5/3 L-1 S/LD	165199	50

for PNP and NPN

Terminal base 4-way		
ZIA 1.5/4 L-1 S	165201	100



alternatively



Terminal base 4-way with LED		
ZIA 1.5/4 L-1 S/LD	165202	50

for PNP and NPN

Terminal base 3-way		
ZIA 1.5/3 L-PE	165200	20

as required



PE-Terminal base 4-way		
ZIA 1.5/4 L-PE	165203	20

as required



as required



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



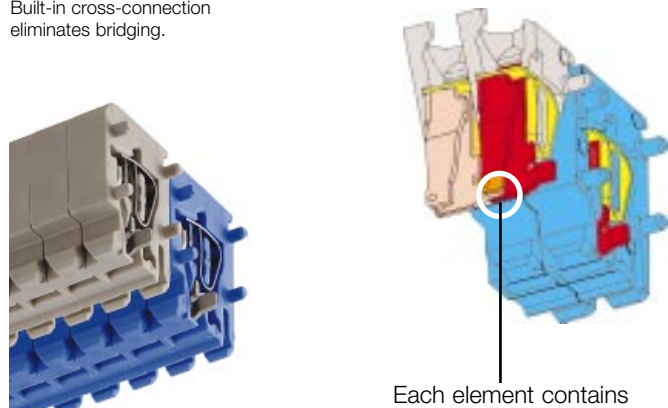
ZIK•ZAK configuration



ZPV 1.5 – potential distribution

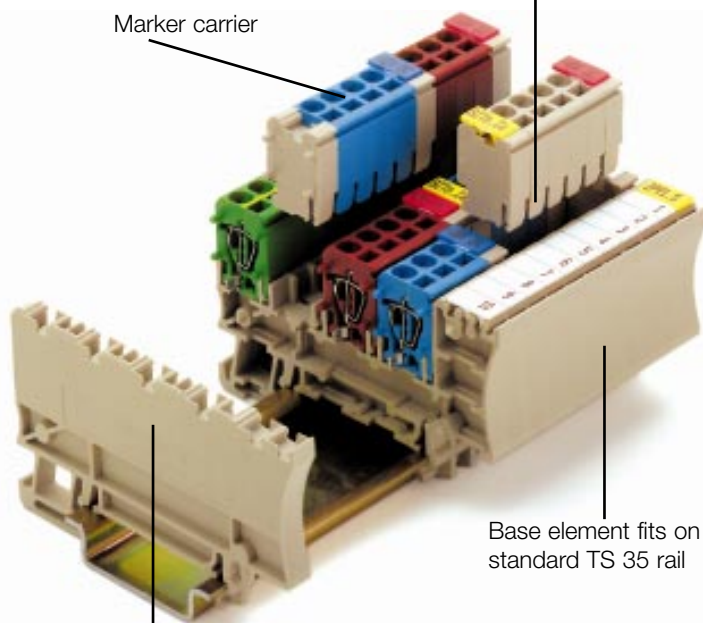
- ZPV 1.5 is modular.
You determine the number of poles you need on-site.
- Cross-connections are built in.
- Rearrange the block whenever you need - in seconds.
- Ultra-compact TOP connection thanks to tension-clamp. This permits easy wiring, even in tight spaces.
- And, there's room in even the smallest 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

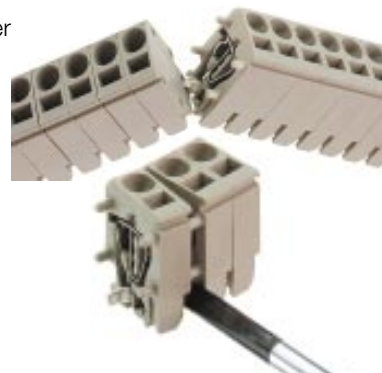


End plate, also used to mark banks of distribution elements

Base element fits on standard TS 35 rail

Easy to put together - and split apart

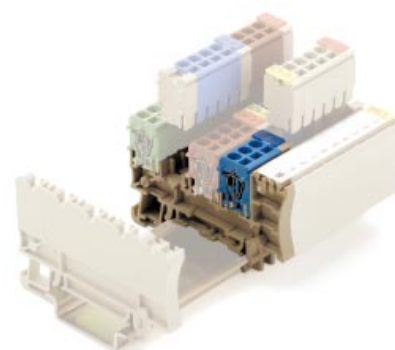
Simply snap off the number of poles you need - by hand or using a screw driver. Assembly errors can be rectified in seconds.



Familiar installation

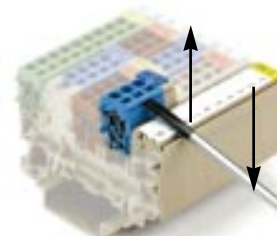
The ZPV 1.5 base elements (also supplied in strips of 20) snap easily onto a regular TS 35 rail. Each base element can take 4 parallel distributor elements. Like the entire ZIK-ZAK series, the elements simply snap onto the ZPV 1.5.

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.



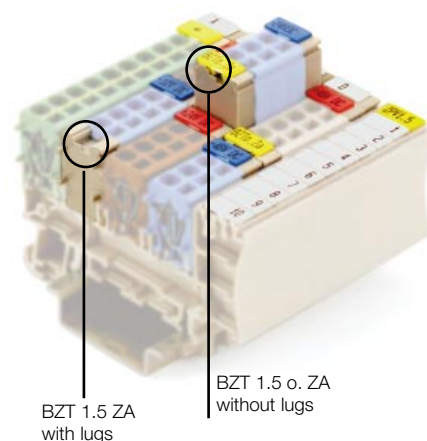
Flexible assembly

Disassembling and reassembling the blocks is simply a matter of prising off the units. It's a snap with ZPV 1.5.

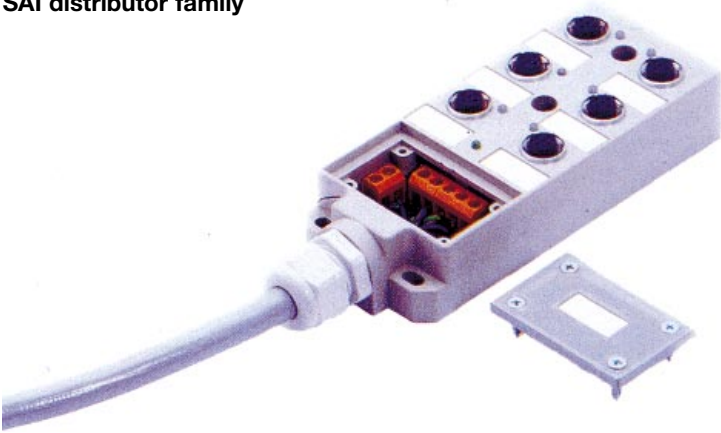


Pure identification

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.



SAI distributor family



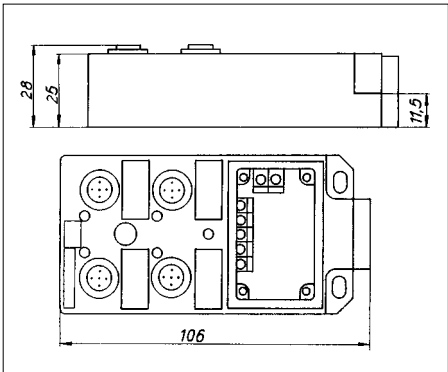
SAI module family

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.

SAI-K

Screw connection
for bus line

Dimensions and catalogue numbers

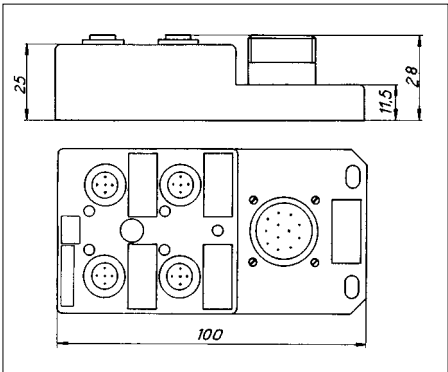


Type	Cat. No.
SAI-4-K	945603

SAI-S

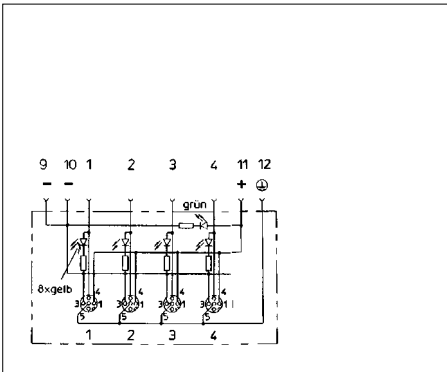
12-pole plug connector
for bus line

Dimensions and catalogue numbers

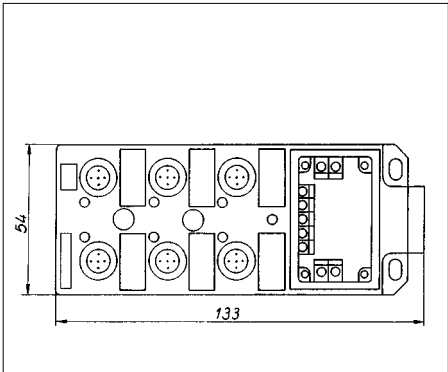


Type	Cat. No.
SAI-4-S	945600

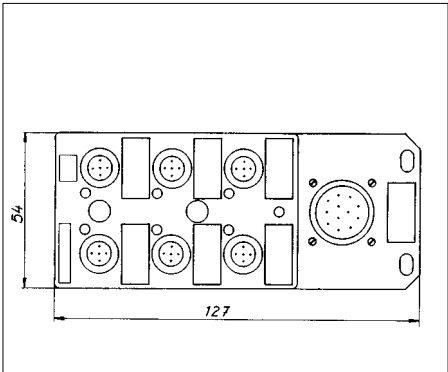
Pin layout



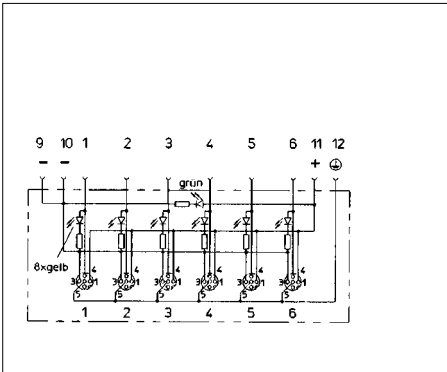
SAI-4...



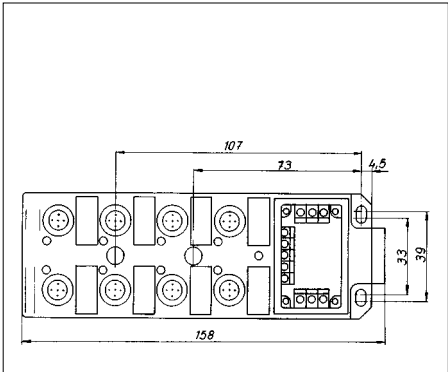
Type	Cat. No.
SAI-6-K	945604



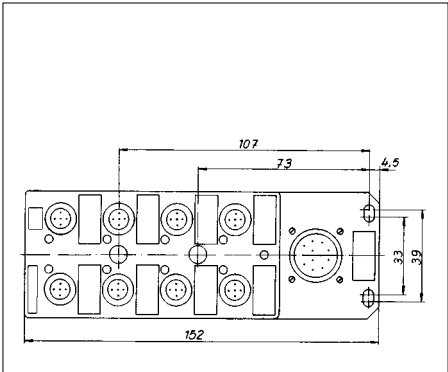
Type	Cat. No.
SAI-6-S	945601



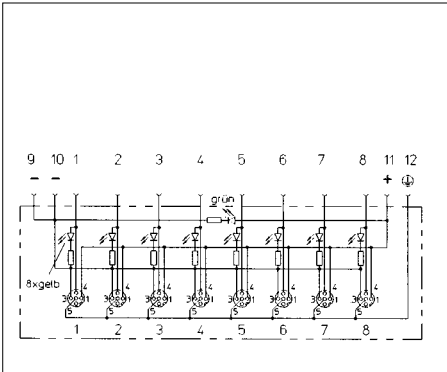
SAI-6...



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 strengthend
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)	945694	5
Connector (M 12) with screw connection, 5-pole		

Accessories :

Designation	Cat. No.	Qty.
Protection cap : SAI - SK	945605	30
Marker : ESG 9/20 MC blank	160994	200

Designation	Cat. No.	Qty.
SAISW-5/7 (angled)	945695	5
Connector (M 12) with screw connection, 5-pole		

Standard connection cables for sensors

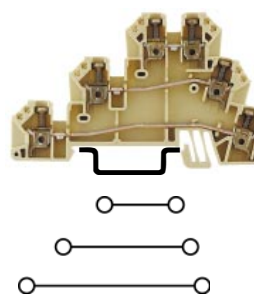
Connector shape:	M 12 to M 12 / Straight connector
Cable type :	PUR in lengths of 0.6 m, 0.9 m, 1.2 m, 1.5 m, 2.0 m

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	945696	10
SAIL-M12G-M12G-2/4-0.9U	945697	10
SAIL-M12G-M12G-2/4-1.2U	945698	10
SAIL-M12G-M12G-2/4-1.5U	945699	10
SAIL-M12G-M12G-2/4-2.0U	945700	10

* Detailed data sheet for the new type SAI-M available on request.

DLD 2.5

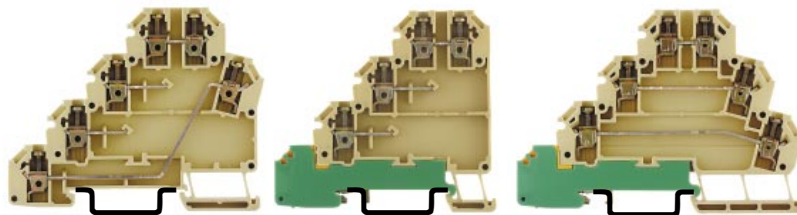


Feed-through terminals for initiators and motors

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 ²	250 V/17,5 A/1,5 mm ²	400 V (L-L)/250 V (L-PE) /24 A/2,5 mm ²	
---	--	----------------------------------	----------------------------------	---	--

Rated impulse voltage / pollution severity		4 kV/3	4 kV/3	6 kV/3	
--	--	--------	--------	--------	--

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 ²	0,5...4,0	0,5...4,0	0,5...4,0	
stranded H07V-R	mm ²	0,5...4,0	0,5...4,0	0,5...4,0	
flexible H07V-K	mm ²	0,5...2,5	0,5...2,5	1,5...2,5	
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	
flexible H07V-K and AEH with plastic collar	mm ²	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 ²	24 A/2,5 mm ²	24 A/2,5 mm ²	

Continuous current rating of cross-connection, multipole	A	24	24	24	
--	---	----	----	----	--

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		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
PA		163325	50		163331	50		161527	50
					163165	50			

End plate / partition

End plate	AP VLI1.5	163326	20	AP VLI1.5/PE	163332	20	AP MAK2.5	161528	20
Partial end plate for VLI 1.5 – MAK 2.5 combination	TEAP 2 MAK2.5	163333	20				TEAP 2 MAK2.5	163333	20
Partial end plate for VLI 1.5 – VLI 1.5 PE combination	TEAP VLI1.5	163327	20	TEAP VLI1.5	163327	20			
Partial end plate for VLI 1.5 PE – MAK 2.5 combination				TEAP 1 MAK2.5	163334	20	TEAP 1 MAK2.5	163334	20

Cross-connection

VQB 50-pole, snap-fit, external cross-connection	VQB1.5/50BL	163328	5	VQB1.5/50BL	163328	5	VQB1.5/50BL*	163328	5
	VQB1.5/50RT	163329	5	VQB1.5/50RT	163329	5	VQB1.5/50RT*	163329	5
	VQB1.5/50SW	163512	5	VQB1.5/50SW	163512	5	VQB1.5/50SW*	163512	5
							QB 25 SW*	052000	20
							QB 25 RT*	052006	20
							QB 25 BL*	052008	20

QB 25-pole, external cross-connection

Group marking

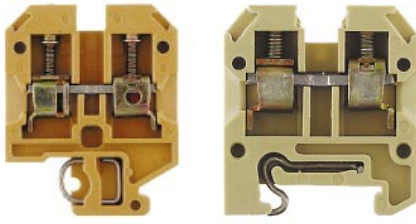
Tag carrier	T 5	034850	100	T 5	034850	100	T 5	034850	100
for S 10 tags	SF 10	033240	1000	SF 10	033240	1000	SF 10	033240	1000
	SG 10	033250	1000	SG 10	033250	1000	SG 10	033250	1000
Marking tags	FW 5	047346	–	FW 5	047346	–	FW 5	047346	–
	FS 5	047356	–	FS 5	047356	–	FS 5	047356	–

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.

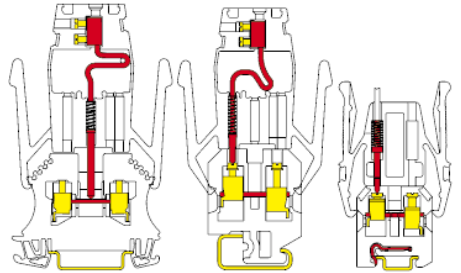
Test plugs

2.3 or 4 mm Ø 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

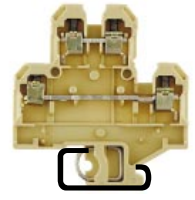
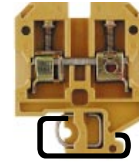
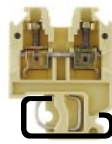
(See page 3/14 for test adapter systems)

SAKD 2.5 N

SAK 2.5

SAK 4

DK 4 Q*



Dimensions

Width / length / height (mm) with TS 32 
Insulation stripping length/clamping screw/screwdriver blade

5/32,5/43,5
10/M 2,5/3,5 x 0,6

6/36,5/46,5
10/M 2,5/3,5 x 0,6

6,5/40/51,5
12/M 3/3,5 x 0,6

6/54/60
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
Rated impulse voltage / pollution severity

500 V/24 A/2,5 mm²
6 kV/3

800 V/24 A/2,5 mm²
8 kV/3

800 V/32 A/4 mm²
8 kV/3

500 V/2 x 32 A/4 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,4...0,7
1

0,4...0,6
1

0,5...1,0
2

0,5...1,0
2

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
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
0,5...4
0,5...4
0,5...4
A 2
30 A/4 mm²
20
20

0,5...6
0,5...2,5
0,5...4
0,5...2,5/4¹⁾
A 3
32 A/4 mm²
24

0,5...6
0,5...4
0,5...4
0,5...4
A 4
41 A/6 mm²
32

0,5...4
1,5...4
0,5...4
0,5...4
A 3
32 A/4 mm²
20
20

Technical data

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

300 V/20 A/28...12 AWG
300 V/20 A/22...12 AWG

600 V/20 A/22...12 AWG
600 V/25 A/26...10 AWG

600 V/20 A/22...12 AWG
600 V/36 A/26...10 AWG

300 V/27 A/22...12 AWG
300 V/10 A/26...12 AWG

Ordering data

Version	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	021556	100
Blue PA	021558	100
Orange PA		
Terminal block with Bez. PA	040106	10
Terminal block without Bez. PA	040116	10

Version	Cat. No.	Qty.
KrG	027962	100
Blue KrG	027967	100
KrS	027963	100
PA	026966 ¹⁾³⁾ 100	027966 ¹⁾²⁾ 100
Blue PA	026968 ¹⁾³⁾ 100	027968 ¹⁾²⁾ 100
Orange PA	026964 ¹⁾³⁾ 100	132636 ¹⁾²⁾ 100
Terminal block with Bez. PA	032256 ¹⁾	10
Terminal block without Bez. PA	032286 ¹⁾	10

Version	Cat. No.	Qty.
KrG	012832	100
Blue KrG	012837	100
KrS	012833	100
PA	171624 ¹⁾³⁾	012836 ¹⁾²⁾ 100
Blue PA	171625 ¹⁾³⁾	012838 ¹⁾²⁾ 100
Orange PA		010506 ¹⁾²⁾ 100
Terminal block with Bez. PA	032266 ¹⁾	10
Terminal block without Bez. PA	030886 ¹⁾	10

Version	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	059006 ¹⁾	100
Blue PA	059008 ¹⁾	100
Orange PA		
Terminal block with Bez. PA	132386 ¹⁾	10
Terminal block without Bez. PA		

End plate (thickness mm)



Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	AP (1,5) 015096	20
Blue PA	AP (1,5) 019188	20
PA		
Blue PA		

Type	Cat. No.	Qty.
AP (1,5)	027952	20
AP (1,5)	027957	20
AP (1,5)	027953	20
AP (1,5) 6	046056	20
AP (1,5) 6	046058	20
AP (1,5) 8	027956	20
AP (1,5) 8	027958	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

Type	Cat. No.	Qty.
AP (1,5)	139716	20
AP (1,5)	139718	20

Partition (thickness mm)



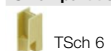
Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	TW (1,5) 019186	20
Blue PA	TW (1,5) 019188	20
HP	TW (1,5) 030750	20

Type	Cat. No.	Qty.
TW (2,5)	030282	20
TW (2,5)	030287	20
TW (2,5)	030283	-
TW (1,5)	030286	20
TW (1,5)	030288	20
TW (1,0)	029710	20

Type	Cat. No.	Qty.
TW (2,5)	013012	20
TW (2,5)	010317	20
TW (2,5)	013013	20
TW (1,5)	013016	20
TW (1,5)	013018	20
TW (1,0)	019710	20

Type	Cat. No.	Qty.
WTW (Ex)	105880	20
TW (2,0)	060700	20

Small partition



TSch 6

Type	Cat. No.	Qty.
TSch 3	036686	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 6	019026	100

Cross-connection



Q 4



QB 4

Type	Cat. No.	Qty.
2-pole	Q 2 036780	50
3-pole	Q 3 036790	50
4-pole	Q 4 036800	50
10-pole	Q 10 036810	20

Type	Cat. No.	Qty.
Q 2	033700	50
Q 3	033710	50
Q 4	033720	50
Q 10	036870	20

Type	Cat. No.	Qty.
Q 2	033670	50
Q 3	033680	50
Q 4	033690	50
Q 10	036880	20

Type	Cat. No.	Qty.
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

Switchable cross-connection link



VL 2

BS

VH

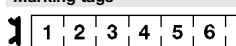
Type	Cat. No.	Qty.
VL 2	047346	-
FS 5	047356	-

Type	Cat. No.	Qty.
VL 2	046866	-
FS 6	046876	-

Type	Cat. No.	Qty.
VL 2	019700	100
VH	028510	50
BS	029250	100

Type	Cat. No.	Qty.
VL 2	044670	50
VH	105650	100
BS	034310	100

Marking tags



Print

Consecutive horizontal
Consecutive vertical

Type	Cat. No.	Qty.
FW 5	047346	-
FS 5	047356	-

Type	Cat. No.	Qty.
FW 6	046866	-
FS 6	046876	-

Type	Cat. No.	Qty.
FW 6.5	046816	-
FS 6.5	046826	-

Type	Cat. No.	Qty.
FW 6	046866	-
FW 6	046876	-

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

* Accepts LS 2.8 shield lugs Cat. No. 105640

** Max. 2.5 mm² conductor connection when using QB

¹⁾ Contact-proof with ADP 4 cover profile (see page 3/23) ³⁾ Suitable for SST 3 safety pin

²⁾ Not suitable for SST 3 safety pin

⁴⁾ Cat. No. 027966 und 027968

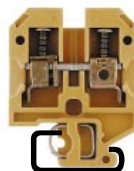
Feed-through terminals

(See page 3/14 for test adapter systems)

DK 4 QV*



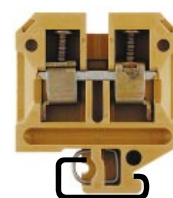
SAK 6 N



SAK 10



SAK 16



Dimensions

Width / length / height (mm) with TS 32 
Insulation stripping length/clamping screw/screwdriver blade

6/54/60	8/40/51,5	10/40/51,5	12/50/57,5
9 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	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	500 V/32 A/4 mm ²	800 V/41 A/6 mm ²	800 V/57 A/10 mm ²	1000 V/76 A/16 mm ²
Rated impulse voltage / pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kV/3

Further technical data

Tightening torque range	Nm	0,5...1,0	0,8...1,6	2,0	2,0...2,4
Torque setting with DMS 2 electric screwdriver		2	3	4	4

Clampable conductor

solid H07V-U	mm ²	0,5...4	0,5...10	1,5...10	2,5...10
stranded H07V-R	mm ²	1,5...4	0,5...6	2,5...16	4...16
flexible H07V-K	mm ²	0,5...4	0,5...10	1,5...16	4...16
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...4	0,5...6	1,5...10	4...16
Plug gauge according to 947-1	Size	A 3	A 5	B 6	B 6
Continuous current of terminal block for conductor size		35 A/4 mm ²		76 A/16 mm ²	
Continuous current rating of cross-connection 2...5-pole	A	20	41	57	
Continuous current rating of cross-connection 6...10-pole	A	20			

UL / CSA rated data

Voltage / current / conductor size	UL	300 V/27 A/22...12 AWG	600 V/40 A/22...8 AWG	600 V/60 A/14...6 AWG	600 V/80 A/12...4 AWG
Voltage / current / conductor size	CSA	300 V/10 A/26...12 AWG	600 V/47 A/20...8 AWG	600 V/65 A/14...6 AWG	600 V/87 A/10...4 AWG

Ordering data

Version	Cat. No.	Qty.	Version	Cat. No.	Qty.	Version	Cat. No.	Qty.	Version	Cat. No.	Qty.
KrG			KrG	019322	100	KrG	011002²⁾	100	KrG	027102	50
Blue KrG							011007	100			
KrS				019323	100		011003	100		027103	50
PA	059026¹⁾	100		019326¹⁾	100		011006¹⁾	100		027106¹⁾	50
Blue PA	059028¹⁾	100		019328¹⁾	100		011008¹⁾	100		027108¹⁾	50
Orange PA											
Terminal block with Bez.				032276¹⁾	10		035326¹⁾	10			
Terminal block without Bez.				030896¹⁾	10		035316¹⁾	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)	011792	20	AP (1,5)	011792	20	AP (3,0)	027112	20
Blue KrG			AP (1,5)	011797	20	AP (1,5)	011797	20			
KrS			AP (1,5)	011793	20	AP (1,5)	011793	20	AP (3,0)	027113	20
PA	AP (1,5) 139716	20	AP (1,5)	011796	20	AP (1,5)	011796	20	AP (1,5)	027116	20
Blue PA	AP (1,5) 139718	20	AP (1,5)	011798	20	AP (1,5)	011798	20	AP (1,5)	027118	20

Partition (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
TW			TW (1,5)	013012	20	TW (1,5)	013012	20	TW (3,0)	028112	20
WTW							013017	20			
KrG			TW (1,5)	013013	20	TW (1,5)	013013	20	TW (3,0)	028113	20
Blue KrG			TW (1,5)	013016	20	TW (1,5)	013016	20	TW (1,5)	030366	10
KrS			TW (1,5)	013018	20	TW (1,5)	013018	20	TW (1,5)	030368	10
PA	WTW (Ex) 105880	20	TW (1,5)	019710	20	TW (1,5)	019710	20	TW (2,0)	060700	20
Blue PA									TW (2,0)	060700	20
			TSch 1	031916	100	TSch 1	031916	100	TSch 1	031916	100

Cross-connection

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
2-pole	Q 2 033640	50	Q 2	045670	50	Q 2	045710	50	Q 2	045750	50
3-pole	Q 3 033650	50	Q 3	045680	50	Q 3	045720	50	Q 3	045760	50
4-pole	Q 4 033660	50	Q 4	045690	50	Q 4	045730	50	Q 4	045770	50
10-pole	Q 10 036860	20	Q 10	045700	20	Q 10	045740	20	Q 10	045780	20
	QB 2 048270**	100									
	QB 3 048280**	50									
	QB 4 048290**	50									

Cover

AD 4	030340	50	AD 4	019660	50	AD 4	017860	50	AD 4	051820	50
BSK M 2.5 x18	030330	100	BSK M 3 x 22	012890	100	BSK M 3 x 22	012890	100	BSK M 3 x 22	012890	100

Switchable cross-connection link

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
VL 2	044670	50	VL 2	019470	50	VL 2	013590	50	VL 2	013580	50
VH	105650	100	VH	028510	50	VH	028510	50	VH	028510	50
BS	034310	100	BS	029250	100	BS	029250	100	BS	029250	100

Marking tags

Print	Cat. No.	Qty.	Print	Cat. No.	Qty.	Print	Cat. No.	Qty.	Print	Cat. No.	Qty.
Consecutive horizontal	FW 6 046866	-	FW 8 127696	-	FW 5 047346	-	FW 5 047346	-	FW 5 047346	-	
Consecutive vertical	FW 6 046876	-	FS 8 128966	-	FS 5 047356	-	FS 5 047356	-	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 mm² conductor connection when using QB

¹⁾ Contact-proof with ADP 4 cover profile (see page 3/23)
²⁾ See page 2/715 for ceramic terminals

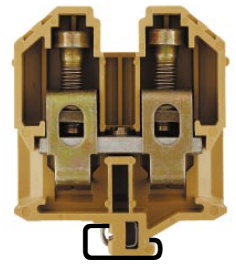
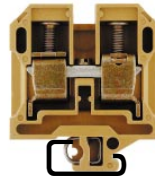
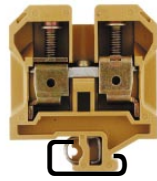
Feed-through terminals

SAK 35 N

SAK 35

SAK 70

SAK 95



Dimensions

Width / length / height (mm) with TS 32 
Insulation stripping length/clamping screw/screwdriver blade

16/58/67,5
18 mm/M 6/6,5 x 1,2

18/58/67,5
20 mm/M 6/6,5 x 1,2

22/75/79,5
24 mm/M 8/S 6 D911

28/83,5/100,5
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
Rated impulse voltage / pollution severity

1000 V/125 A/35 mm²
8 kV/3

800 V/125 A/35 mm²
8 kV/3

1000 V/192 A/70 mm²
8 kV/3

1000 V/232 A/95 mm²
8 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

2,5...5,0/3,0...6,0***

2,5...5,0/3,0...6,0***

6,0...12,0

10,0...20,0

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²

2,5...16
2,5...50
2,5...35
2,5...35

6...10
16...50
10...35
10...35

16
16...70
16...70
16...35

10...16
10...120
10...95
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 mm²

138 A/35 mm²

213 A/70 mm²

258 A/120 mm²

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

180

180

UL / CSA rated data

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

600 V/100 A/12...2 AWG
600 V/120 A/12...2 AWG

600 V/100 A/6...2 AWG
600 V/145 A/6...2 AWG

600 V/145 A/4...2/0 AWG
600 V/150 A/4...2/0 AWG

600 V/190 A/6...3/0 AWG
600 V/260 A/6...3/0 AWG

Ordering data

 Cat. No. Qty.

 Cat. No. Qty.

 Cat. No. Qty.

 Cat. No. Qty.

KrG **055062** 20

KrG **030352** 20

KrG **034082** 10

KrG **055052** 10

Hexagon socket KrG **055572** 20

Hexagon socket KrG **047652** 20

Hexagon socket KrG **034087** 10

Hexagon socket KrG **034083** 10

Hexagon socket blue KrG **055063** 20

Hexagon socket blue KrG **030353** 20

Hexagon socket blue KrG **034088** 10

Hexagon socket blue KrG **034089** 10

Hexagon socket KrS **055573** 20

Hexagon socket KrS **030356** 20

Hexagon socket KrS **034090** 10

Hexagon socket KrS **034091** 10

Hexagon socket PA **055066** 20

Hexagon socket PA **030358** 20

Hexagon socket PA **034092** 10

Hexagon socket PA **034093** 10

Hexagon socket Blue PA **055576** 20

Hexagon socket Blue PA **047656** 20

Hexagon socket Blue PA **034094** 10

Hexagon socket Blue PA **034095** 10

Terminal block with marking

Terminal block with marking

Terminal block with marking

Terminal block with marking

Terminal block without marking

Terminal block without marking

Terminal block without marking

Terminal block without marking

End plate (thickness mm)

 KrG AP (3,0) **030362** 10
Blue KrG AP (3,0) **030367** 10
KrS AP (3,0) **030363** 10
PA AP (1,5) **030366** 10
Blue PA AP (3,0) **030368** 10
Orange PA

Type Cat. No. Qty.
AP (3,0) **030362** 10
AP (3,0) **030367** 10
AP (3,0) **030363** 10
AP (1,5) **030366** 10
AP (3,0) **030368** 10

Type Cat. No. Qty.
AP (3,0) **030362** 10
AP (3,0) **030367** 10
AP (3,0) **030363** 10
AP (1,5) **030366** 10
AP (3,0) **030368** 10

Type Cat. No. Qty.
AP (4,0) **034092** 10
AP (4,0) **034093** 10
AP (2,0) **034096** 10

Type Cat. No. Qty.
AP (3,0) **055092** 10
AP (3,0) **055097** 10

Partition (thickness mm)

 KrG TW (3,0) **030432** 10
Blue KrG TW (3,0) **030433** 10
KrS TW (1,5) **030436** 10
Blue PA

Type Cat. No. Qty.
TW (3,0) **030432** 10
TW (3,0) **030433** 10
TW (1,5) **030436** 10

Type Cat. No. Qty.
TW (3,0) **030432** 10
TW (3,0) **030433** 10
TW (1,5) **030436** 10

Type Cat. No. Qty.
TW (3,0) **030432** 10
TW (3,0) **030433** 10
TW (1,5) **030436** 10

Type Cat. No. Qty.
TW (3,0) **030432** 10
TW (3,0) **030433** 10
TW (1,5) **030436** 10

Cross-connection

 2-pole QL 2 **056490** 50
3-pole QL 3 **056500** 50
4-pole QL 4 **056510** 50
10-pole QL 10 **056520** 20
VH 17 **026700** 50
BS M 4x30 **026710** 50
SS M 4 **013640** 100

Type Cat. No. Qty.
QL 2 **056490** 50
QL 3 **056500** 50
QL 4 **056510** 50
QL 10 **056520** 20
VH 17 **026700** 50
BS M 4x30 **026710** 50
SS M 4 **013640** 100

Type Cat. No. Qty.
QL 2 **012360** 20
QL 3 **012370** 20
QL 4 **012380** 20
QL 10 **033860** 20
VH 17 **026700** 50
BS M 4x30 **026710** 50
SS M 4 **013640** 100

Type Cat. No. Qty.
QL 2 **034530** 20
QL 3 **016700** 20
VH 30.5 **034550** 20
BS M 5x45 **034560** 20
SS M 5 **034610** 100

Type Cat. No. Qty.
QL 2 **055120** 10
VH 35 **055110** 10
BS M 5x50 **063020** 20

Switchable cross-connection link

 VL 2 **012400** 50
BS VH 24,5 **029870** 50
BS M 4x35 **029890** 50

Type Cat. No. Qty.
VL 2 **012400** 50
VH 24,5 **029870** 50
BS M 4x35 **029890** 50

Type Cat. No. Qty.
VL 2 **012400** 50
VH 24,5 **029870** 50
BS M 4x35 **029890** 50

Type Cat. No. Qty.
VL 2 **012400** 50
VH 24,5 **029870** 50
BS M 4x35 **029890** 50

Type Cat. No. Qty.
VL 2 **012400** 50
VH 24,5 **029870** 50
BS M 4x35 **029890** 50

Cover / Test plug

 PS 4 **029960** 20

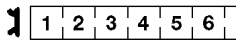
Type Cat. No. Qty.
AD 4 **057670** 50
BSK M 4x32 **012910** 50
PS 4 **029960** 20

Type Cat. No. Qty.
AD 4 **017870** 20
BSK M 4x32 **012910** 50
PS 4 **029960** 20

Type Cat. No. Qty.
AD 4 **034430** 20
BSK M 5x45 **034440** 50
PS 4 **029960** 20

Type Cat. No. Qty.
ADP 4 **048540** 20
PS 4 **029960** 20

Marking tags

 Consecutive horizontal
Consecutive vertical

Type Cat. No. Qty.
FW 5 **047346** 20
FS 5 **047356** 20

Type Cat. No. Qty.
FW 5 **047346** 20
FS 5 **047356** 20

Type Cat. No. Qty.
FW 5 **047346** 20
FS 5 **047356** 20

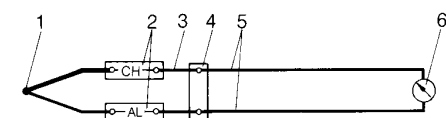
Type Cat. No. Qty.
FW 5 **047346** 20
FS 5 **047356** 20

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

*** For hexagon socket

Busbars made from thermocouple material according to DIN IEC 584

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 |

II. Symbols

Thermocouples according to IEC 584
DIN 43710

Terminal designation	Busbar material trade name
1	Aluminum
2	Aluminum
3	Aluminum
4	Aluminum
5	Aluminum
6	Aluminum
7	Aluminum
8	Aluminum
9	Aluminum
10	Aluminum
11	Aluminum
12	Aluminum
13	Aluminum
14	Aluminum
15	Aluminum
16	Aluminum
17	Aluminum
18	Aluminum
19	Aluminum
20	Aluminum
21	Aluminum
22	Aluminum
23	Aluminum
24	Aluminum
25	Aluminum
26	Aluminum
27	Aluminum
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29	Aluminum
30	Aluminum
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34	Aluminum
35	Aluminum
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68	Aluminum
69	Aluminum
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75	Aluminum
76	Aluminum
77	Aluminum
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80	Aluminum
81	Aluminum
82	Aluminum
83	Aluminum
84	Aluminum
85	Aluminum
86	Aluminum
87	Aluminum
88	Aluminum
89	Aluminum
90	Aluminum
91	Aluminum
92	Aluminum
93	Aluminum
94	Aluminum
95	Aluminum
96	Aluminum
97	Aluminum
98	Aluminum
99	Aluminum
100	Aluminum

a) (Type J)

Fe (positive leg)		Iron
CuNi (negative leg)		Constantan

b)(Type T)

Cu (positive leg)		Copper
CuNi (negative leg)		Constantan

c) (Type K)

NiCr (positive leg)		Chromel
Ni (negative leg)		Alummel

d) (Type E)

NiCr (positive leg)		Chromel
CuNi (negative leg)		Constantan

Dimensions

Width / length / height (mm) with TS 32 

Insulation stripping length/clamping screw/screwdriver blade

Technical data/VDE

Nominal voltage/nominal current
nominal cross-section

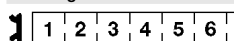
Ordering data

Ordering data	Version	Type
	NiCr	
	Ni	
	CuNi	
	Fe	
	Cu	
	NiCr/Ni	K
	Cu/CuNi	T
	Fe/CuNi	J

End plate (thickness mm)

**Partition** (thickness mm)

Marking material



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

SAK 2.5 TC

6/36,5/49,5
10 mm/M 2.5/3.5 x 0.6

DK 4 TC



6/54/59,5
9 mm/M 3/3.5 x 0.6

	Cat. No.	Qty
	010726	100
	010716	100
	018986	100
	019006	100
	018996	100

	Cat. No.	Qty.
	133826	100
	133816	100
	133806	100

Type	Cat. No.	Qty
AP (1,5)	027956	20

Type	Cat. No.	Qty.
AP (1,5)	063136	20

TW (1,5)	030286	20
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WTW (Ex)e	105880	20
TW HP (2,0)	060700	20

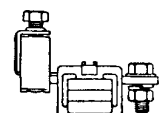
FW 6	046866	-
FS 6	046876	-

FW 6	046866	—
FS 6	046876	—

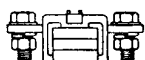
The Weidmüller SAKG range offers the following connection variants:

- 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.

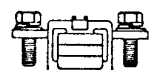
Versions



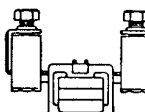
Version I



Version II
without thread



Version II
with thread

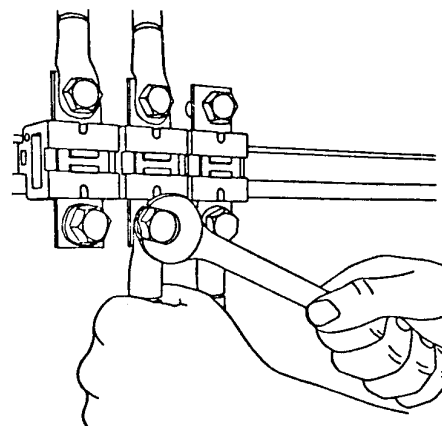


Version III

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
Rated impulse voltage / pollution severity

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
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

28/70/63,5
15 mm/M 6/-

1000 V*/125 A/35 mm²
8 kV/3

3...6

6...35
6...35
10...35
6...35
B 9
135 A/50 mm²
(QL 2) 110

600 V/95 A/2 AWG
600 V/110 A/6...1 AWG

Type Cat. No. Qty.
017002 10

28/70/53
-/M 6/-

1000 V*/125 A/35 mm²
8 kV/3

3...6

(QL 2) 110

600 V/115 A/2 AWG
600 V/110 A/6...1 AWG

Type Cat. No. Qty.
017032 10

End plate, Hard paper (thickness mm)



Tropic-proof

Type Cat. No. Qty.
EP 1 (2) 020510 10
EP 1 (2) 020520 10

Partition, Hard paper (thickness mm)



Tropic-proof

TW 1 (2) 015140 10
TW 1 016460 10

Cross-connection



2-pole
3-pole
4-pole

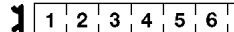
QL 2 019390 5
QL 3 040760 5
QL 4 040770 5

Cover



AH 28 032666 5

Marking tags



Print

Consecutive horizontal
Consecutive vertical

FW 5 047346 -
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.

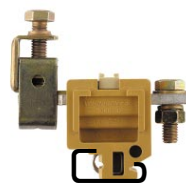
Feed-through terminals

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 ²	1000 V*/125 A/35 mm ²	1000 V*/150 A/50 mm ²	1000 V*/150 A/50 mm ²
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
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Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U	mm ²		6...35	10...70	
stranded H07V-R	mm ²		6...35	10...70	
flexible H07V-K	mm ²		10...35	10...70	
flexible H07V-K and AEH DIN 46 228/1	mm ²		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 ²	168 A/70 mm ²
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/135 A/8...2 AWG	600 V/170 A/1...2/0 AWG

Ordering data

Version
KrG
Two clamping yokes KrG

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	018502	10		017082	10		028662	10		017042	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 1 (2)	020510	10	EP 1 (2)	020510	10	EP 1 (2)	020530	10	EP 1 (2)	020510	10
EP 1 (2)	020520	10	EP 1 (2)	020520	10	EP 1 (2)	020540	10	EP 1 (2)	020520	10

Partition, Hard paper (thickness mm)



Tropic-proof

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
TW 1 (2)	015140	10	TW 1 (2)	015140	10	TW 2 (2)	017710	10	TW 1 (2)	015140	10
TW 1	016460	10	TW 1	016460	10	TW 2	017990	10	TW 1	016460	10

Cross-connection



2-pole	QL 2	019390	5			QL 2	019400	5	QL 2	019400	5
3-pole	QL 3	040760	5			QL 3	044150	5	QL 3	044150	5
4-pole	QL 4	040770	5			QL 4	044160	5	QL 4	044160	5

Cover



AH 28	032666	5	AH 28	032666	5	AH 32	032676	5	AH 32	032676	5
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Marking tags

Print

	1	2	3	4	5	6	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

* 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

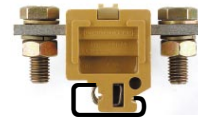
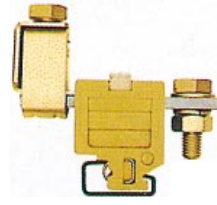
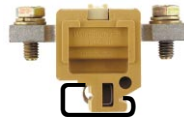
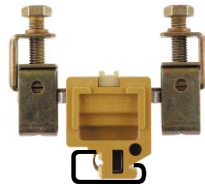
SAKG 32 III

SAKG 70 II G

SAKG 40 I

SAKG 40 II

SAKG 40 II G



32/80/53 -/M 8/-	32/94/84 26 mm/M 8/-	32/84/54 -/M 8/-	40/95/84 27 mm/M 10/-	40/90/53 -/M 10/-	40/90/55 -/M 10/-
1000 V*/150 A/50 mm ² 8 kV/3	1000 V*/150 A/50 mm ² 8 kV/3	1000 V*/192 A/70 mm ² 8 kV/3	1000 V*/232 A/95 mm ² 8 kV/3	1000 V*/232 A/95 mm ² 8 kV/3	1000 V*/232 A/95 mm ² 8 kV/3
6...12	6...12	6...12		10...20	10...20
	10...70		10...95		
	10...70		10...35		
	10...70		10...95		
	10...35		10...35		
	B 11		B 12		
168 A/70 mm ²	192 A/70 mm ²	220 A/70 mm ² (QL 2) 170	250 A/95 mm ² (QL 2) 250	250 A/95 mm ² (QL 2) 250	250 A/95 mm ² (QL 2) 250
600 V/170 A/1...2/0 AWG	600 V/165 A/3 AWG 600 V/185 A/1...2/0 AWG	- 600 V/200 A/2/0...4/0 AWG	600 V/195 A/4/0 AWG 600 V/250 A/2/0...4/0 AWG	600 V/230 A/4/0 AWG 600 V/250 A/2/0...4/0 AWG	600 V/230 A/4/0 AWG 600 V/250 A/2/0...4/0 AWG
Cat. No. Qty. 018512 10	Cat. No. Qty. 028672 10	Cat. No. Qty. 015042 10	Cat. No. Qty. 028682 10	Cat. No. Qty. 017052 10	Cat. No. Qty. 018522 10
Type Cat. No. Qty. EP 1 (2) 020510 10 EP 1 (2) 020520 10	Type Cat. No. Qty. EP 2 (2) 020530 10 EP 2 (2) 020540 10	Type Cat. No. Qty. EP 1 (2) 020510 10 EP 1 (2) 020520 10	Type Cat. No. Qty. EP 2 (2) 020530 10 EP 2 (2) 020540 10	Type Cat. No. Qty. EP 2 (2) 020530 10 EP 2 (2) 020540 10	Type Cat. No. Qty. EP 2 (2) 020530 10 EP 2 (2) 020540 10
TW 1 (2) 015140 10 TW 1 016460 10	TW 2 (2) 017710 10 TW 2 017990 10	TW 1 (2) 015140 10 TW 1 (2) 016460 10	TW 2 (2) 017710 10 TW 2 (2) 017990 10	TW 2 (2) 017710 10 TW 2 (2) 017990 10	TW 2 (2) 017710 10 TW 2 (2) 017990 10
QL 2 019400 5 QL 3 044150 5 QL 4 044160 5		QL 2 019400 10 QL 3 044150 10 QL 4 044160 10	QL 2 019410 10 QL 3 026350 10 QL 4 040980 10	QL 2 019410 10 QL 3 026350 10 QL 4 040980 10	QL 2 019410 10 QL 3 026350 10 QL 4 040980 10
AH 32 032676 5	AH 32 032676 5	AH 32/AH 70 032676 5	AH 40 032686 5	AH 40 032686 5	AH 40 032686 5
FW 5 047346 - FS 5 047356 -	FW 5 047346 - FS 5 047356 -	FW 5 047346 - FS 5 047356 -	FW 5 047346 - FS 5 047356 -	FW 5 047346 - FS 5 047356 -	FW 5 047346 - FS 5 047356 -

* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary.
See Page 1/19 for a table of clearance and creepage distances.

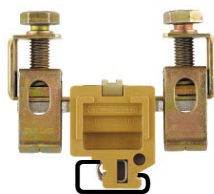
Feed-through terminals

SAKG 40 III

SAKG 46 II

SAKG 46 II G

SAKG 54 II



Dimensions

Width / length / height (mm) with TS 32 
Insulation stripping length/clamping screw/screwdriver blade

40/100/84	46/106/55	46/106/57,5	54/122/57
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 ²	1000 V*/309 A/150 mm ²	1000 V*/309 A/150 mm ²	1000 V*/415 A/240 mm ²
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 ²	10...95			
stranded H07V-R	mm ²	10...95			
flexible H07V-K	mm ²	10...95			
flexible H07V-K and AEH DIN 46 228/1	mm ²	10...35			
Plug gauge according to 947-1	Size	B 12			
Continuous current of terminal block for conductor size		265 A/95 mm ²	415 A/150 mm ²	415 A/150 mm ²	600 A/240 mm ²
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.		Cat. No.	Qty.
KrG		028692	10		017062	10		018532	10		017072	10
Two clamping yokes KrG												

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)	020530	10	EP 2 (2)	020530	10	EP 2 (2)	020530	10	EP 2 (2)	020530	10
EP 2 (2)	020540	10	EP 2 (2)	020540	10	EP 2 (2)	020540	10	EP 2 (2)	020540	10

Partition, Hard paper (thickness mm)



Tropic-proof

TW 2 (2)	017710	10	TW 2 (2)	017710	10	TW 2 (2)	017710	10	TW 2 (2)	017710	10
TW 2 (2)	017990	10	TW 2 (2)	017990	10	TW 2 (2)	017990	10	TW 2 (2)	017990	10

Cross-connection



2-pole
3-pole
4-pole

QL 2	024700	5	QL 2	024700	5	QL 2	026440	5
QL 3	044440	5	QL 3	044440	5	QL 3	040800	5
QL 4	044450	5	QL 4	044450	5	QL 4	024740	5

Cover



AH 40	032686	5	AH 46	032696	5	AH 46	032696	5
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Marking tags

Print

1	2	3	4	5	6	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

* 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 46/I AL

*** Suitable for connection of 2 aluminium conductors of max. 185 mm²

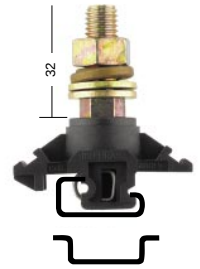
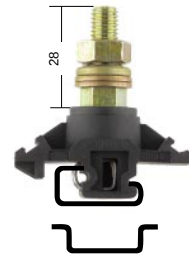
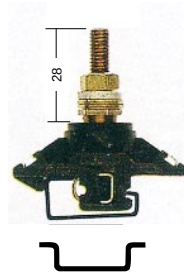
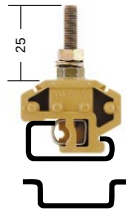
Stud terminals

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 mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
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

18/40/62
18/49,5/54,5
~M 6/-
400 V¹/76 A/16 mm²
6 kV/3

36/60/68
36,5/60/68
~M 8/-
1000 V¹/125 A/35 mm²

36/60/68
36,5/60/68
~M 10/-
1000 V¹/192 A/70 mm²

36/60/72
36,5/60/72
~M 12/-
1000 V¹/232 A/95 mm²

3...6

6...12

10...20

14...31

82 A/16 mm²
135 A/35 mm²
207 A/70 mm²
250 A/95 mm²

600 V/85 A/12...4 AWG
600 V/65 A/6 AWG

 Qty.  Qty.
KrG 049822 10 064982 10
PA GF
PA
PPO
KrG
for TS 35 x 7.5 PA
for TS 35 x 15/ 2.3 PA

 Qty.  Qty.
049810 10 133190 10

 Qty.  Qty.
048490 10 133200 10

 Qty.  Qty.
049830 10 133210 10

End plate, Hard paper (thickness mm)

PA
PPO



Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

AP/TW (2) 133320 10

AP/TW (2) 133320 10

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

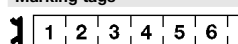
QL 2 134600 5

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 -

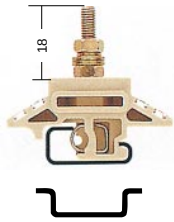
FW 5 047346 -
FS 5 047356 -

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 ¹⁾ /57 A/10 mm ²
8 kV/3
2...4

65 A/10 mm²

600 V/50 A/12...6 AWG

Qty. Qty.

950337 25

950823 25
952830 25

Type Cat. No. Qty.

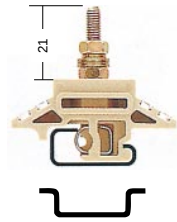
TW/KST (2) 950139 10

QL 2 950339 1

FW 5 047346 -
FS 5 047356 -

) with partition

KST 6



24/60/59,5
24/62,5/54
-/M 6/-
1000 V ¹⁾ /76 A/16 mm ²
8 kV/3
3...6

82 A/16 mm²
200

600 V/65 A/12...6 AWG

Qty. Qty.

950131 25

950694 25
952831 25

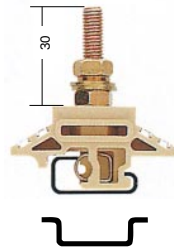
Type Cat. No. Qty.

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 ¹⁾ /125 A/35 mm ²
8 kV/3
6...12

135 A/35 mm²
200

600 V/115 A/12...2 AWG

Qty. Qty.

950132 25

950695 25
952832 25

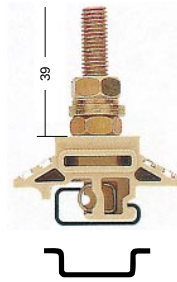
Type Cat. No. Qty.

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 ¹⁾ /192 A/70 mm ²
8 kV/3
10...20

207 A/70 mm²
200

600 V/175 A/12...2/0

Qty. Qty.

950133 20

950696 20
952833 20

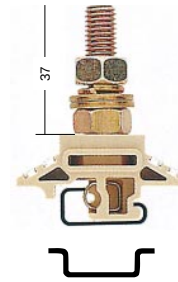
Type Cat. No. Qty.

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 ¹⁾ /232 A/95 mm ²
8 kV/3
14...31

250 A/95 mm²
200

600 V/200 A/12...3/0

Qty. Qty.

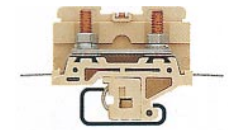
950134 20

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
connectionSTSL 5
with
solder
connection³⁾

16,3/52 ²⁾ /45,5
-/M 5/-
750 V/76 A/16 mm ²
8 kV/3
2...4

85 A/16 mm²

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 -²⁾ Width with soldering tag 76.5 mm
³⁾ Soldering connection 2.5 mm² (illustrated)

EK 35



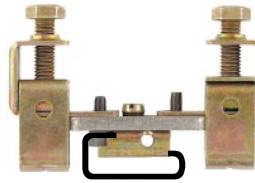
EK 2



SAKE 35



SAKE 70



18/58/67.5
20 mm/M 6/6,5 x 1,2

-/-/35 mm²

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

FW 5 **047346** -

FS 5 **047356** -

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.

FW 5 -

FS 5 -

14/46/39
16 mm/M 6/-

-/-/35 mm²

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

FW 5 -

FS 5 -

18/94/59,5
25 mm/M 8/-

-/-/70 mm²

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 -

FS 5 -

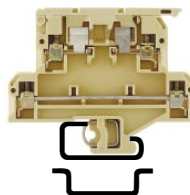
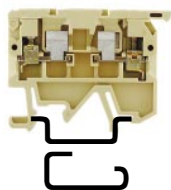
Fuse terminals

ASK 1

KDKS 1 KDKS 1/35

SAKS 1 SAKS 1/35

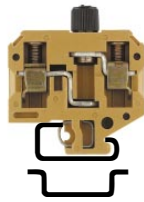
SAKS 1/G25 SAKS 1/35/G25



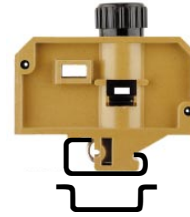
		for fuse inserts	5 x 20 without indicator	5 x 20 without indicator	5 x 20 without indicator	5 x 20 with indicator
Dimensions						
Width / length / height (mm)		with TS 32 	8/58/45.5	8/73,5/59,8	13/54/61	13/54/61
Width / length / height (mm)		with TS 35 x 7,5 	8/58/44	8/73,5/55,7	13/54/54	13/54/54
Insulation stripping length/clamping screw/screwdriver blade			9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6	12 mm/M 4/5,5 x 1,0	12 mm/M 4/5,5 x 1,0
Rated data / feed-through-terminal base						
Rated voltage / current / cross-section			500 V AC/6.3 A/4 mm ²	500 V~/6,3 A/4 mm ²	500 V~/10 A/10 mm ²	500 V~/10 A/10 mm ²
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	0,5...1,0	0,5...1,0	1,2...2,4	1,2...2,4
Torque setting with DMS 2 electric screwdriver			2	2	4	4
Clampable conductor						
solid H07V-U		mm ²	0,5...4	0,5...4	0,5...16	0,5...16
stranded H07V-R		mm ²	1,5...4		1,5...10	1,5...10
flexible H07V-K		mm ²	0,5...4	0,5...4	0,5...10	0,5...10
flexible H07V-K and AEH DIN 46 228/1		mm ²	0,5...4	0,5...4	0,5...10	0,5...10
Plug gauge according to 947-1		Size	A 4	A 4	B 6	B 6
Continuous current rating of cross-connection 2...5-pole		A	(QB 2...4) 10	(QB 2...4) 10	(QL 2...5) 47	(QL 2...5) 47
Continuous current rating of cross-connection 6...10-pole		A			(QL 6...10) 36	(QL 6...10) 36

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 	13/54/61			24/75/73	28/80/80,5
Width / length / height (mm)	with TS 35 x 7,5 	13/54/55			24/75/66	28/80/66
Insulation stripping length/clamping screw/screwdriver blade		12 mm/M 4/5,5 x 1			14 mm/M 4/5,5 x 1	13 mm/M 4/5,5 x 1
Rated data terminal base						
Rated voltage / current / cross-section		500 V AC/10 A/10 mm ²			400 V~**/16 A/10 mm ²	400 V~/63 A**/16 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity		6 kV/3			6 kV/3	6 kV/3
Further technical data						
Tightening torque range	Nm	1,2...2,4			1,2...2,4	1,2...2,4
Torque setting with DMS 2 electric screwdriver		4			4	4
Clampable conductor						
solid H07V-U	mm ²	0,5...16			0,5...16	1,5...16
stranded H07V-R	mm ²	1,5...10			1,5...10	1,5...16
flexible H07V-K	mm ²	0,5...10			0,5...10	1,5...16
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...10			0,5...10	1,5...16
Plug gauge according to 947-1	Size	B 6			B 6	B 7
Continuous current rating of cross-connection 2...5-pole A		(QL 2...5) 47			(QL 2...5) 47	(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) 36
UL / CSA rated data						
Voltage / current / conductor size	UL	300 V/10 A/22...10 AWG			600 V/30 A/22...8 AWG	600 V/63 A/14...6 AWG
Voltage / current / conductor size	CSA	600 V/10 A/22...10 AWG				
Ordering data						
	Version	 Qty.  Qty.			 Qty.  Qty.	 Qty.  Qty.

End plate/partition (thickness mm)



Cross-connections



Fixing screws
for Cross-connections

Fuse inserts

1 1/4" x 1/4"	Nominal current (A): 0.5 high-speed	E 0,5 A	053380	2 rosa	P 14/2	013800	50	
according to DEF 63/size 0	1.0 high-speed	E 1 A	052550	4 braun	P 14/4	013810	50	
without indicator	2.0 high-speed	E 2 A	029450	6 grün	P 14/6	032860	50	
	3.0 high-speed	E 3 A	029570	10 rot	P 14/10	032870	50	
	5.0 high-speed	E 5 A	029460	20 blue				P 18/20 036180 50
	7.0 high-speed	E 7 A	029580	25 gelb				P 18/25 036190 50
	10.0 high-speed	E 10 A	029390	35 schwarz				P 18/35 036200 50
G fuse inserts 5 x 30 mm	2.0 fast			50 weiß				P 18/50 036210 50
(500 V~ / 0.032...6.3 A).	4.0 fast			10 rot				
Available from Wickmann-Werke GmbH,	5.0 fast			16 grey				
Annstr. 113, 5810 Witten 6, Tel. 02302/6620	6.3 fast			20 blue				
Brass insert								

D fuse inserts

E 14/2		E 14/4		E 14/6		E 14/10	

Screw cap (spare)

SK (5 x 30)	028200	SK	033941	20	SK	035931	20
SK (1 ¹ / ₄ x 1 ¹ / ₄ "	042890						

Marking tags

	Consecutive horizontal	FW 5	047346		FW 5	047346	FW 5	047346
	vertical Printed	FS 5	047356		FS 5	047356	FS 5	047356

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

*** Current for overload up to 10 A, for short-circuit up to 25 A

3) For fuse inserts 1 1/4 x 1/4" DEF 63
4) 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 ²
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.
020682 20 136872 20
136870 20
Diazed E 16
Type Cat. No. Qty.
TW HP (2,0) 060700* 20

QL 2 020780 20
QL 3 020790 20
QL 4 020800 20
QL 10 033890 20

SS M 4 013640 100
BS M 4x9 010330 100
Gauge piece

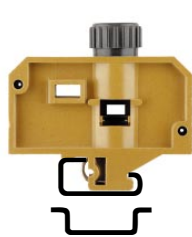
P 16/10 020890 100
P 16/16 020900 100
P 16/20 020910 100

Rated voltage 380 V
E 10 A 020850 25
E 16 A 020860 25
E 20 A 020870 25
E 25 A 020880 25

SK 028411 20

FW 5 047346
FS 5 047356

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 ²
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.
032142 ¹⁾ 20 050202 ¹⁾ 20
016222 ²⁾ 20 017822 ²⁾ 20
10,3 x 38,1
Type Cat. No. Qty.
TW HP (2,0) 060700* 20

QL 2 032800 20
QL 3 032810 20
QL 4 032820 20
QL 10 033900 20

SS M 4 013640 100
BS M 4x9 010330 100

P 16/10 020890 100
P 16/16 020900 100
P 16/20 020910 100

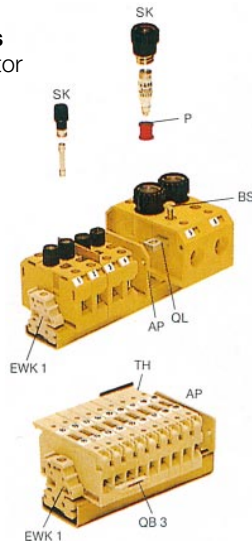
E 10 A 020850 25
E 16 A 020860 25
E 20 A 020870 25
E 25 A 020880 25

SK 034923 20
SK (with spring) 016173 20

FW 5 047346
FS 5 047356

¹⁾ French version
²⁾ USA version

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
Voltage
LED current (24...60 V)
LED current (115...230 V)
LED current (24...230 V)
Incandescent lamp current
Neon lamp current
Cross-section

Ordering data
24 V~
24 V~
48 V~
60 V~
115 V~
230 V~

24 V~
48 V~
60 V~
115 V~
230 V~
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

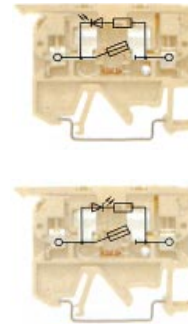
straight
angled

Fixing screw (fits QL)
Disconnect lever (spare)

TH (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 ²
0,5...4 mm ²
AWG 22...12

6,3 A
≤ 2 mA
≤ 2 mA

Type Cat. No. Qty.
ASK 1 LD 805081 25
ASK 1 LD 022276 25
ASK 1 LD 022526 25
ASK 1 LD 022646 25
ASK 1 LD 022546 25
ASK 1 LD 022566 25

ASK 1 LD 022286 25
ASK 1 LD 022536 25
ASK 1 LD 022636 25
ASK 1 LD 022556 25
ASK 1 LD 022576 25

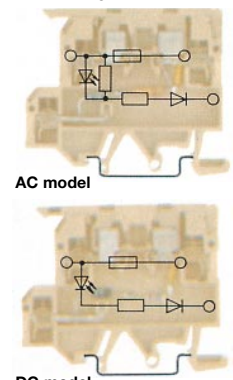
Mountable on
TS 32 und TS 35

TS 32 012280 -
TS 35x7,5 038340 -
TS 35x15 049800 -
EWK 1 020616 50
EW 35 038356 50
AP PA (1,5) 038036 20

QB 2 ¹⁾ 046110 100
QB 3 ¹⁾ 046120 50
QB 4 ¹⁾ 046130 50

TH (spare) 037706 100

KDKS 1 Fuse cartridge 5x20/5x25 only 805081



AC model

DC model

Warning:
In the event of a faulty fuse,
the connection system is live.

8
9
0,5...4 mm ²
0,5...4 mm ²
AWG 22...12

6,3 A
24...230 V (depending on terminal)

≤ 2 mA

Type Cat. No. Qty.
KDKS 1 814645 25
KDKS 1 814895 25
KDKS 1 814896 25
KDKS 1 814894 25

KDKS 1 814893 25
KDKS 1 814892 25
KDKS 1 814284 25
KDKS 1 814891 25

Mountable on
TS 32 und TS 35

TS 32 012280 -
TS 35x7,5 038340 -
TS 35x15 049800 -
EW 35 038356 50
AP KDKS 950334 20

QB 2 ¹⁾ 046110 50
QB 3 ¹⁾ 046120 50
QB 4 ¹⁾ 046130 50
QB 58 ¹⁾ 054540 -
QB 58 ¹⁾ 054530 -

¹⁾ When using QB, the rated cross-current reduces to max. 2.5 mm²

Fuse cartridges and gauge rings for Weidmüller fuse terminals

Fuse inserts

for terminal type

SAKS 1
SAKS 7
ASK 1
WSI 6



Size (mm)	Rated voltage (V~)	Rated current (A)	Cat. No.	Qty.
G-fuse inserts 5 x 20 without indicator to DIN 41660, IEC 127 Part 1				
5 x 20 Breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0.7)	250	0,2 (F)	043040	10
		0,25 (F)	043050	10
		0,5 (F)	043060	10
		0,63 (F)	043900	10
		1,0 (F)	043070	10
		1,6 (F)	043080	10
		2,0 (F)	043090	10
		2,5 (F)	043100	10
		3,15 (F)	043110	10
		4,0 (F)	043120	10
		5,0 (F)	043130	10
		6,3 (F)	043140	10
(F) = fast				

SAKS 1
SAKS 7
WSI 6



G-fuse inserts 5 x 25 with indicator to DIN 41576 ¹⁾				
5 x 25 m. K.1) Breaking capacity 80 A (at 250 V, 50 Hz, cos φ = 1)	250	0,25 (M)	054690	10
		0,5 (M)	051030	10
		0,8 (M)	064640	10
		1 (M)	026580	10
		10 (M ⁵⁾)	019310	10
		2 (F)	019270	10
		4 (F)	019280	10
		6,3 (F)	019290	10
		(M) = Med. time lag, (F) = Fast		

SAKS 3²⁾
SAKS 6



Fuse inserts 1 1/4" x 1/2" to DEF 63/Size 0 without indicator				
33 kA short circuit rating fast speed				
E 0,5 A	440	0,5	053380	10
E 1 A		1	052550	10
E 2 A		2	029450	10
E 3 A		3	029570	10
E 5 A		5	029460	10
E 7 A		7	029580	10
E 10 A		10	029390	10

SAKS 2



D-fuse inserts E 16 with indicator to DIN 49360 (Diazed)				
E 10 A	500	10	020850	25
E 16 A		16	020860	25
E 20 A		20	020870	25
E 25 A		25	020880	25

SAKS 4⁴⁾



D-fuse inserts E 14 Size D 01 and E 18 Size D 02 with indicator to DIN 49522 (Neozed³⁾)				
E 14/2	380	2	013740	10
E 14/4		4	013750	10
E 14/6		6	032830	10
E 14/10		10	032840	10
E 14/16	380	16	032850	10
E 18/20		20	036130	10
E 18/25		25	036140	10
E 18/35		35	036150	10
E 18/50		50	036160	10
E 18/63		63	036170	10

SAKS 5



- Note:**
- ¹⁾ The SIBA company also supplies 5 x 25 G fuse inserts with indicators in a shipbuilding model for 450 V AC.
 - ²⁾ 5 x 30 (500 V~) fuse inserts for SAKS 3 are available from the WICKMANN company.
 - ³⁾ The LINDNER company also supplies Neozed fuse cartridges in an additional shipbuilding model for 440 V AC.
 - ⁴⁾ 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.
 - ⁵⁾ 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	013800	50
P 14/4	4	Brown	013810	50
P 14/6	6	Green	032860	50
P 14/10	10	Red	032870	50

SAKS 5 und 5/35



P 18/20	20	Blue	036180	50
P 18/25	25	Yellow	036190	50
P 18/35	35	Black	036200	50
P 18/50	50	White	036210	50

SAKS 2 und 2/35

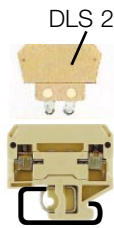


P 16/10	10	Red	020890	100
P 16/16	16	Grey	020900	100
P 16/20	20	Blue	020910	100

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 ⁶⁾ /10 A/4 mm ² 6 kV/3	400 V/10 A/4 mm ² 6 kV/3	400V/10 A/4 mm ² 6 kV/3	400 V/10 A/4 mm ² 6 kV/3	500 V/19 A/4 mm ² 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. 041212 100 041216 100	Cat. No. Qty. 041296¹⁾ 100 041306²⁾ 50 026366³⁾ 50	Cat. No. Qty. 068736 50	Cat. No. Qty. 130486 50	Cat. No. Qty. 045636 100 010526 100	
041218 100 146196 100 041222 100 041226 100 041228 100	054646¹⁾ 100 041316²⁾ 50	032786 50			
Type Cat. No. Qty. AP (1,5) 021132 20 AP (1,5) 021136 20 AP (1,5) 021138 20	Type Cat. No. Qty. AP (1,5) 021136 20	Type Cat. No. Qty. AP (1,5) 068756 20	Type Cat. No. Qty. AP (1,5) 068756 20	Type Cat. No. Qty. AP (1,5) 038036 20	
TW HP (1,0) 029710 20	TW HP (1,0) 029710 20	TW HP (2,0) 060700 20	TW HP (2,0) 060700 20	TW HP (2,0) 060700 20	
QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50 QB 25 blank ⁴⁾ 013400 20	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50 QB 25 blank ⁴⁾ 013400 20	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50	QB 2 ⁴⁾ 046110 100 QB 3 ⁴⁾ 046120 50 QB 4 ⁴⁾ 046130 50 3-pole ganging with SchS 2 marking tag carrier (Cat. No. 033740)	
	SDIK 902494 -			Contact sleeve 055330 100	
PS 2.3 018040 20	PS 2.3 018040 20	PS 2.3 018040 20	PS 2.3 018040 20		
	DLS 2 032106 50 DLS 2 + 063016 50 DLS 2 - 054776 50				
FW 6.5 046816 - FS 6.5 046826 -	FW 6.5 046816 - FS 6.5 046826 -	FW 6 046866 - FS 6 046876 -	FW 6 046866 - FS 6 046876 -	FW 5 047346 - FS 5 047356 -	

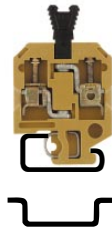
1) Without DLS
2) With DLS empty
3) With DLS 1N4007

4) Rated cross-section is reduced to max. 2.5 mm² when QB is used

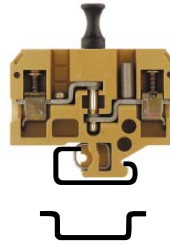
5) With DKT 4 only in upper terminal level
6) As disconnect terminal rated voltage 250 V

Disconnect terminals

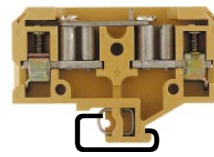
SAKC 4 SAKC 4/35



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 ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
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	Qty.	Qty.
KrG	034072	035752
KrS		
KrG	034062	035762
KrG		
KrS		

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 ²
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

12/65/52,5/70,5
12/65/66
12 mm/M 4/5,5 x 1,0

500 V/27 A/10 mm ²
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

12/82/55,5
12 mm/M 4/5,5 x 1,0

500 V/47 A/10 mm ²
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

10/65/52,5
12 mm/M 4/5,5 x 1,0

500 V/63 A/10 mm ²
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

End plate (thickness mm)

Type	Cat. No.	Qty.
KrG	AP (1,5)	011792
KrS		
PA		

Partition (thickness mm)

Type	Cat. No.	Qty.
KrG		
KrS		
PA	TW (1,5)	013016
HP	TW (1,0)	029710**

Cross-connection

1-pole	QB 2 ¹⁾	048270	100
3-pole	QB 3 ¹⁾	048280	50
4-pole	QB 4 ¹⁾	048290	50
10-pole			
25-pole	QB 25 blank ¹⁾	013400	20

QL	QB 4	SS M4
VH	BS	VH

Dummy plug

	made from plastic, to keep the place of an extracted plug
--	---

Test plug/Socket

PS 4	
StB	Plug-test socket (without using QL)

Disconnecter plug (spare)

TST 4	138060	20
ZI WE	062306	10

Marking tags

Print	Consecutive horizontal	Printed
FW 6.5	046816	–
FS 6.5	046826	–

Print	Consecutive horizontal	Printed
FW 6.5	046816	–
FS 6.5	046826	–

Print	Consecutive horizontal	Printed
FW 5	047346	–
FS 5	047356	–

Print	Consecutive horizontal	Printed
FW 5	047346	–
FS 5	047356	–

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 mm² when QB is used

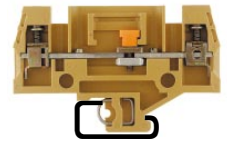
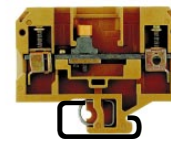
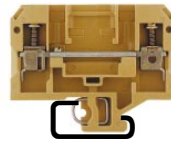
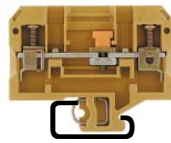
Test disconnect terminal blocks

SAKT 1/LT

SAKT 1/DU 1

SAKT 1/QT 1

SAKT 2/LT



Dimensions

Width / length / height (mm) with TS 32 
Insulation stripping length/clamping screw/screwdriver blade

8/65/52.5
12 mm/M 3,5/4,0 x 0,8

8/65/52.5
12 mm/M 3,5/4,0 x 0,8

8/65/52.5
12 mm/M 3,5/4,0 x 0,8

8/82/52,5
12 mm/M 3,5/4,0 x 0,8

Rated data

Rated voltage / current / cross-section
Rated impulse voltage VDE 0110/1.89/Pollution severity

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size

0,5...10
1,5...10
0,5...6
0,5...8
A 5

0,5...10
1,5...10
0,5...6
0,5...8
A 5

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

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

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

(QL 2...5) 47
(QL 6...10) 36

(QL 2...5) 47
(QL 6...10) 36

(QL 2...5)
(QL 6...10)

(QL 2...5) 47
(QL 6...10) 36

UL / CSA rated data

Voltage / current / conductor size UL
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

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
Closed back wall KrG
Open back wall KrG
4 StB 14 KrG 60 V*
1 StB 2 KrG
1 StB 2.3 KrG
2 StB 14 KrG
2 StB 2.3 KrG
PA
2 StB PA

Cat. No. Qty.
 **026912** 50
 **019562** 50
043792 50

Cat. No. Qty.
 **055042** 50
019562 50

Cat. No. Qty.
 **049482** 50
026932 50

Cat. No. Qty.
 **044542** 50
043772 50
033062 50

End plate/partition/small partition (thickness mm)

KrG
KrG
AP
TSch 2
TW (0,5)
PA
PA
HP

Type Cat. No. Qty.
AP (3.0) **014672** 20
TW (3.0) **024292** 20
AP (1.5) **014676** 20
TW (1.5) **024296** 20
TW (0.5) **047470** 20
TSch 2 **035366** 100

Type Cat. No. Qty.
AP (3.0) **014672** 20
TW (3.0) **024292** 20
AP (1.5) **014676** 20
TW (1.5) **024296** 20
TW (0.5) **047470** 20
TSch 2 **035366** 100

Type Cat. No. Qty.
AP (3.0) **014672** 20
TW (3.0) **024292** 20
AP (1.5) **014676** 20
TW (1.5) **024296** 20
TW (0.5) **047470** 20
TSch 2 **035366** 100

Type Cat. No. Qty.
AP (2,5) **032912** 20
TW (2,5) **035182** 20
TSch 2 **035366** 100
TSch 2 Orange **013246** 100

Cross-connection

QL 2
QL 3
QL 4
VH 12
VH 19
BS 25
blank
QS 2
QVSK 2
QVS 3
QVS 4

QL 2 **019430** 50
QL 3 **019440** 50
QL 4 **019450** 50
QL 10 **033830** 20
VH 12 **024900** 100
BS M 3x20 Cu **037710** 100
QS 2 **027096** 20
QVSK 2 **167036** 20
QVS 3 **032930** 20
QVS 4 **030740** 20
VH 19 **031800** 50
BS 25 blank **033470** 50

QL 2 **019430** 50
QL 3 **019440** 50
QL 4 **019450** 50
QL 10 **033830** 20
VH 12 **024900** 100
BS M 3x20 Cu **037710** 100
QS 2 **027096** 20
QVSK 2 **167036** 20
QVS 3 **032930** 20
QVS 4 **030740** 20
VH 19 **031800** 50
BS 25 blank **033470** 50

QL 2 **019430** 50
QL 3 **019440** 50
QL 4 **019450** 50
QL 10 **033830** 20
VH 12 **024900** 100
BS M 3x20 Cu **037710** 100
QS 2 **027096** 20
QVSK 2 **167036** 20
QVS 3 **032930** 20
QVS 4 **030740** 20
VH 19 **031800** 50
BS 25 blank **033470** 50

QL 2 **019430** 50
QL 3 **019440** 50
QL 4 **019450** 50
QL 10 **033830** 20
VH 12 **024900** 100
BS M 3x20 Cu **037710** 100
QS 2 **027096** 20
QVSK 2 **167036** 20
QVS 3 **032930** 20
QVS 4 **030740** 20
VH 19 **031800** 50
BS 25 blank **033470** 50

Switchable cross-connection link

QB 2
QB 3
QB 4
QB 10
Disconnect Ic
SSP 3

QB 2 **020570** 50
QB 3 **020580** 50
QB 4 **020590** 50
QB 10 **034380** 20
SSP 3 **053176** 100

QB 2 **020570** 50
QB 3 **020580** 50
QB 4 **020590** 50
QB 10 **034380** 20
SSP 3 **053176** 100

QB 2 **020570** 50
QB 3 **020580** 50
QB 4 **020590** 50
QB 10 **034380** 20
SSP 3 **053176** 100

QB 2 **020570** 50
QB 3 **020580** 50
QB 4 **020590** 50
QB 10 **034380** 20
SSP 3 **053176** 100

Marking tags

Print
Consecutive horizontal
Consecutive vertical

1 2 3 4 5 6

FW 6.5 **046816** -
FS 6.5 **046826** -

FW 6.5 **046816** -
FS 6.5 **046826** -

FW 6.5 **046816** -
FS 6.5 **046826** -

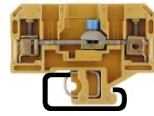
FW 6.5 **046816** -
FS 6.5 **046826** -

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

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
10 mm/M 2,5/4,0 x 0,8

6/57,5/42,5
10 mm/M 2,5/4,0 x 0,8

Rated data

Rated voltage / current / cross-section

400 V/27 A/4 mm²

400 V/27 A/4 mm²

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 mm²

0,5...6

0,5...6

stranded H07V-R mm²

1,5...4

1,5...4

flexible H07V-K mm²

0,5...4

0,5...4

flexible H07V-K and AEH DIN 46 228/1 mm²

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.

 Cat. No. Qty.

Closed back wall KrG

025412 50

024632 50

Open back wall KrG

4 StB 14 KrG 60 V*

1 StB 2 KrG

StB left **025422** 50

1 StB 2.3 KrG

StB left **025432** 50

2 StB 14 KrG

StB ø 2,0 **031032** 50

2 StB 2.3 KrG

025442 50

PA

2 StB PA

StB left **024652** 50

StB ø 2,0 **024662** 50

End plate / partition/Small partition (thickness mm)

KrG

Type AP (1,5) **024492** 20

Type AP (1,5) **024492** 20

KrG

PA

PA

HP

TW (0,5) **047470** 20

TW (0,5) **047470** 20

TSch 2 **035366** 100

TSch 2 **035366** 100



AP



TSch 2



TW (0,5)

Cross-connection



QL 2

QL 3

QL 4

VH 12



VH 19



BS 25

blank



QS 2



QVSK 2



QVS 3



QVS 4

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

Switchable cross-connection link



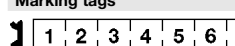
Disconnect lock

SSP 4 **131936** 20

SSP 4 **131936** 20

Marking tags

Print



Consecutive horizontal

Consecutive vertical

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

Feed-through terminals with tab connection

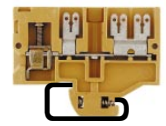
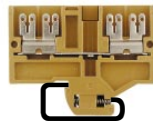
Disconnect terminals with tab connection

AST 1

AST 3

AST 4

AST 5



Dimensions

Width / length / height (mm) with TS 32 Insulation stripping length/clamping screw/screwdriver blade

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 mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
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

Version
Slotted KrG
Blue, slotted KrG
Slotted PA
Unslotted KrG
Blue, unslotted KrG
Unslotted PA
Block of 10, slotted with marking 1-9 PA

6,5/58/53,5

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

0,4...0,7
1

0,5...4
1,5...2,5
0,5...2,5
0,5...2,5
A 3

(QL 2...10) 36

300 V/13 A/-
300 V/16 A/-

Type	Cat. No.	Qty.
AP (3,0)	026642	20
AP (1,5)	026646	20
PA		
HP		
TW (0,5)	047470	20
TW (2,0)	060700	20
TSch 1	031916	100

6,5/40/47,5

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

0,4...0,7
1

0,5...4
1,5...2,5
0,5...2,5
0,5...2,5
A 3

(QL 2...10) 36

300 V/13 A/-
300 V/16 A/-

Type	Cat. No.	Qty.
AP (3,0)	029812	20
AP (1,5)	046056	20
TW (1,5)	013016	20
TW (1,0)	029710	20
TSch 1	031916	100

6,5/40/47,5
9 mm/M 2,5/3,5 x 0,6

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

0,4...0,7
1

0,5...4
1,5...2,5
0,5...2,5
0,5...2,5
A 3

(QL 2...10) 36

300 V/13 A/22...12 AWG
300 V/16 A/24...12 AWG

Type	Cat. No.	Qty.
AP (3,0)	029812	20
AP (1,5)	046056	20
TW (1,5)	013016	20
TW (1,0)	029710	20
TSch 1	031916	100

6,5/58/53,5
12 mm/M 3/3,5 x 0,6

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

0,5...1,0
2

0,5...6
1,5...2,5
0,5...4
0,5...4
A 4

(QL 2...10) 36

300 V/13 A/22...12 AWG
300 V/16 A/24...12 AWG

Type	Cat. No.	Qty.
AP (3,0)	026642	20
AP (1,5)	026646	20
PA		
HP		
TW (1,0)	047470	20
TW (2,0)	060700	20
TSch 1	031916	100

End plate/partition/small partition (thickness mm)

KrG
Blue KrG
PA
PA
HP
HP
Only for PA

AP (3,0) 026642 20
AP (1,5) 026646 20
PA
PA
HP
HP
Only for PA

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

Plug adapter

2-pole
3-pole
4-pole
5-pole
8-pole
clips into PA version
of AST3 and AST4 only

Test plug/Socket

Plug-test socket without using QL for TS 32

PS 2.3
PS 2.3
PS 2.3
PS 2.3

Insulation sleeve

IH 2.8
IH 6.3
IH 6.3
IH 6.3

Marking tags

Consecutive horizontal
Consecutive vertical

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

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

StB 14 016860 50

PS 2.3 018040 20

IH 2.8 038606 100
IH 6.3 038626 100

FW 6.5 046816 -

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

STA 2.5/2 016586 100
STA 2.5/3 016596 50
STA 2.5/4 019036 50
STA 2.5/5 016606 50
STA 2.5/8 016616 50

StB 14 016860 50

PS 2.3 018040 20

IH 2.8 038606 100
IH 6.3 038626 100

FW 6 046866 -

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

STA 2.5/2 016586 100
STA 2.5/3 016596 50
STA 2.5/4 019036 50
STA 2.5/5 016606 50
STA 2.5/8 016616 50

StB 14 016860 50

PS 2.3 018040 20

IH 2.8 038606 100
IH 6.3 038626 100

FW 6 046866 -

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

Q 2 033670 50
Q 3 033680 50
Q 4 033690 50
Q 10 036880 20

STA 2.5/2 016586 100
STA 2.5/3 016596 50
STA 2.5/4 019036 50
STA 2.5/5 016606 50
STA 2.5/8 016616 50

StB 14 016860 50

PS 2.3 018040 20

IH 2.8 038606 100
IH 6.3 038626 100

FW 6.5 046816 -

¹⁾ with Insulation sleeve

²⁾ Shock-proof with ADP4 cover profile (see page 3/23)

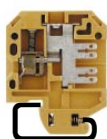
Feed-through terminals with tab connection

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 mm²
6 kV/3

500 V/16 A/2,5/1,0 mm²
6 kV/3

250 V/10 A/4/1,0 mm²
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 mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
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

 Cat. No. Qty.
040122 100
040126 100
047952 100

 Cat. No. Qty.
047962 100
047967 100
047966 100
035292 100
035297 100

 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
HP
Only for PA

Type Cat. No. Qty.
AP (1,5) **011792** 20
AP (1,5) **011796** 20
AP (1,5) **013016** 20
TW (1,0) **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 3 x 4,5
BS M 3 x 24

QL 2 **013060** 100
QL 3 **013070** 100
QL 4 **013080** 50
QL 10 **033820** 20
BS M 3x4,5 **159321** 100

QL 2 **013060** 100
QL 3 **013070** 100
QL 4 **013080** 50
QL 10 **033820** 20
BS M 3x4,5 **159321** 100

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



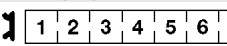
IH 2.8 **038606** 100
IH 6.3 **038626** 100

IH 2.8 **038606** 100
IH 6.3 **038626** 100

PS 2.3 **018040** 20
IH 2.8 **038606** 200

Marking tags

Print

 Consecutive horizontal
Consecutive vertical

FW 6.5 **046816** -

FW 6.5 **046816** -

FW 6.5 **046816** -

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

¹⁾ With insulation sleeve

* The conductor cross-section for the screw connection is reduced to 2.5 mm² 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
9 mm/M 3/3,5 x 0,6

6/54/59,5
9 mm/M 3/3,5 x 0,6

Rated data

Rated voltage / current / cross-section
Rated impulse voltage VDE 0110/1.89/Pollution severity

400 V¹⁾/2 x 10/4/1,0 mm²
6 kV/3

400 V¹⁾/2 x 10/4/2,5/1,0 mm²
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
2

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size

0,5...4
1,5...4
0,5...4
0,5...4
A 3

0,5...4
1,5...4
0,5...4
0,5...4
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) 20

(QL 2...10) 20

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

Ordering data Version PA

 Cat. No. Qty.
063126 100

 Cat. No. Qty.
063116 100

End plate (thickness mm)



Type Cat. No. Qty.
AP (1,5) **063136** 20

Type Cat. No. Qty.
AP (1,5) **063136** 20

Partition



HP TW HP (2,0) **060700** 20

HP TW HP (2,0) **060700** 20

Small partition



TSch 6 **019026** 100

TSch 6 **019026** 100

Cross-connection



2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL



StB 8.5 **021570** 50

StB 8.5 **021570** 50

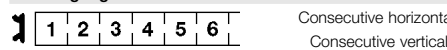
Insulation sleeve



PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

Marking tags



FW 6 **046866** -

FW 6 **046866** -

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

¹⁾ 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

250 V/8 A/2,5 mm²

250 V/10 A/2,5 mm²

250 V/10 A/2,5 mm²

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...0,7

0,4...0,7

0,4...0,7

Torque setting with DMS 2 electric screwdriver

1

1

1

Clampable conductor

solid H07V-U mm²

0,5...6

0,5...6

0,5...6

stranded H07V-R mm²

0,5...2,5

0,5...2,5

0,5...2,5

flexible H07V-K mm²

0,5...4

0,5...4

0,5...4

flexible H07V-K and AEH DIN 46 228/1 mm²

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

Continuous current rating of cross-connection 2-pole

A

A

A

Continuous current rating of cross-connection multipole

A

A

A

UL / CSA rated data

Voltage / current / conductor size UL

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

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/22...12 AWG

Ordering information

Pin	Version
Right	KrG
Horizontal left	KrG
Horizontal right	KrG
Vertical left	KrG
Vertical right	KrG
2x vertical	KrG

Cat. No.	Qty.
010852	100

Cat. No.	Qty.
051842	100
048592	100
047882	100
069362	100

Cat. No.	Qty.
068702	100
037102	100
048502	100

right PA

010856¹⁾ 100

End plate (thickness mm)

KrG	Type	Cat. No.	Qty.
	AP (1,5)	027952	20
	PA	027956	20

Type	Cat. No.	Qty.
AP (1,5)	027952	20
AP (1,5)	027956	20

Type	Cat. No.	Qty.
AP (1,5)	027952	20
AP (1,5)	027956	20

Partition (thickness mm)

KrG	TW (2,5)	030282	20
	PA	030286	20
	HP	019710	20
	HP	060700	20

TW (2,5)	030282	20
TW (1,5)	030286	20
TW (0,5)	019710	20
TW (2,0)	060700	20

TW (2,5)	030282	20
TW (1,5)	030286	20
TW (0,5)	019710	20
TW (2,0)	060700	20

Small partition

TSch 1	031916	100
--------	---------------	-----

TSch 1	031916	100
--------	---------------	-----

TSch 1	031916	100
--------	---------------	-----

Cross-connection

2-pole	Q 2	033700	50
3-pole	Q 3	033710	50
4-pole	Q 4	033720	50
10-pole	Q 10	036870	20

Q 2	033700	50
Q 3	033710	50
Q 4	033720	50
Q 10	036870	20

Q 2**	033700	50
Q 3**	033710	50
Q 4**	033720	50
Q 10**	036870	20

Test plug/Socket

Plug-test socket without using QL

StB 8.5 (ø 2,3) **028060** 50

StB 8.5 (ø 2,3) **028060** 50

StB 8.5 (ø 2,3) **028060** 50

PS	StB
----	-----

PS 2.3	018040	20
--------	---------------	----

PS 2.3	018040	20
--------	---------------	----

PS 2.3	018040	20
--------	---------------	----

Marking tags

Print

1 2 3 4 5 6	Consecutive horizontal
	Consecutive vertical

FW 6	046866	-
------	---------------	---

FW 6	046866	-
------	---------------	---

FW 6	046866	-
------	---------------	---

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

²⁾ Shock-proof with ADP4 cover profile (see page 3/23)

** not for type 2x vertical

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.

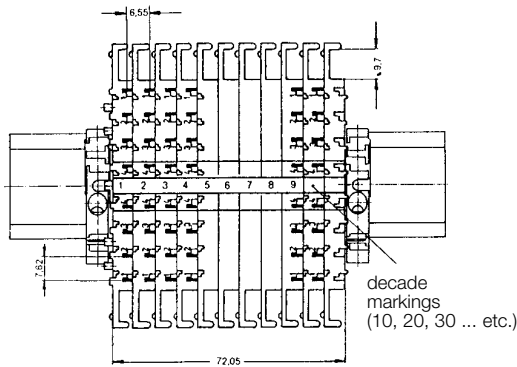
* Block length = 72.05 mm

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 
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

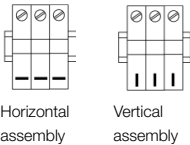
solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

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



Plug adapter

6,55/39/60/86

250 V/4/6 A
4 kV/3

Cat. No.	Qty.
046376	8
046366	8
046396	8
046386	8
049796	8

Additional versions available
on request

Type	Cat. No.	Qty.
DSA 1	057606	50

Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.

013266

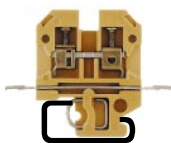
Feed-through terminals

Disconnect terminals

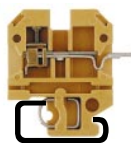
with solder connection

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
12 mm/M 2,5/3,5 x 0,6

6/44,5/46,5
12 mm/M 2,5/3,5 x 0,6

6/55/46,5

6,5/50/40,5/54,5 (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

250 V/20 A/2,5/1,5 mm²
4 kV/3

250 V/20 A/2,5/1,5 mm²
4 kV/3

250 V/20 A/1,5 mm²
4 kV/3

250 V/10 A/4/1,5 mm²
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

0,5...1,0
2/1

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size

0,5...6
0,5...2,5
0,5...4
0,5...2,5
A 3

0,5...6
0,5...2,5
0,5...4
0,5...2,5
A 3

0,5...4
01,5...4
.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

(Q 2...10) 27

(Q 2...10) 27

(Q 2...10) 27

(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

–
300 V/10 A/26...12 AWG

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

Ordering data

Type	Cat. No.	Qty.
KrG	030912	100
Blue KrG		
KrS		
PA		
Blue PA		
KrG		
KrS		
PA		
Blue PA		

Type	Cat. No.	Qty.
KrG	035142	100
Blue KrG	035147	100
KrS		
PA	035146¹⁾	100
Blue PA		
KrG	054412*	100
KrS	054413*	100
PA	054416¹⁾	100
Blue PA		

Type	Cat. No.	Qty.
KrG	032362	100
Blue KrG	032367	100
KrS		
PA	032366¹⁾	100
Blue PA		
KrG		
KrS		
PA		
Blue PA		

Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	041236	100
Blue PA		
KrG		
KrS		
PA	041246*	100
Blue PA	041248*	100

End plate / partition (thickness mm)

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA		
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060702	20

Type	Cat. No.	Qty.
KrG		
Blue KrG		
PA	AP (1,5) 021136¹⁾	20
Blue PA	AP (1,5) 021138	20
PA		
HP		
HP	TW (2,0) 060700	20

Small partition

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1		

Cross-connection

Type	Cat. No.	Qty.
2-pole	Q 2 033700	50
3-pole	Q 3 033710	50
4-pole	Q 4 033720	50
10-pole	Q 10 036870	20
25-pole		

Type	Cat. No.	Qty.
2-pole	Q 2 033700	50
3-pole	Q 3 033710	50
4-pole	Q 4 033720	50
10-pole	Q 10 036870	20

Type	Cat. No.	Qty.
2-pole	Q 2 033700	50
3-pole	Q 3 033710	50
4-pole	Q 4 033720	50
10-pole	Q 10 036870	20

Type	Cat. No.	Qty.
2-pole	Q 2 033700	50
3-pole	Q 3 033710	50
4-pole	Q 4 033720	50
10-pole	Q 10 036870	20

Type	Cat. No.	Qty.
2-pole	QB 2** 048270	100
3-pole	QB 3** 048280	50
4-pole	QB 4** 048290	50
25-pole	QB 25 blank** 013400	20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL

Type	Cat. No.	Qty.
PS		
StB		

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
PS 2.3	018040	20

Cover

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4		
BSK M 3 x 22		

Marking tags

Print

Type	Cat. No.	Qty.
Consecutive horizontal	FW 6 046866	
Consecutive vertical	FS 6 046876	

Type	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Type	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Type	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Type	Cat. No.	Qty.
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 mm² 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

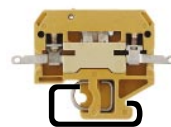


SAKR LL



SAKR LL

with 2 StB 6



Dimensions

Width / length / height (mm) with TS 32

Insulation stripping length/clamping screw/screwdriver blade

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

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

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

Type

Cat. No. Qty.

KrG

051812* 100

Blue KrG

KrS

PA

041256 100

Blue PA

KrG

KrS

PA

041266* 100

Blue PA

End plate / partition (thickness mm)

Type

Cat. No. Qty.

KrG

AP (1,5) **021132** 20

Blue KrG

PA

AP (1,5) **021136** 20

Blue PA

AP (1,5) **021138** 20

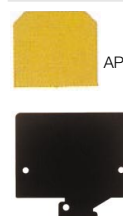
PA

HP

TW (0,5) **047470** 20

HP

TW (2,0) **060700** 20



Small partition



Cross-connection



2-pole

QB 2** **048270** 100

3-pole

QB 3** **048280** 50

4-pole

QB 4** **048290** 50

10-pole

25-pole

QB 25 blank** **013400** 20

QB 2** **048270** 100

QB 3** **048280** 50

QB 4** **048290** 50

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

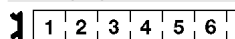
PS 2.3 **018040** 20

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

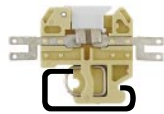
** The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

2 solder connections



on request
on request

4 solder connections



on request
on request

for use in high temperature ranges up to max. 210 °C



Width / length / height (mm)

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

Clampable conductor

solid	mm ²
stranded	mm ²

Plug gauge according to 947-1	Size
Continuous current of cross-connection for conductor size	
Continuous current rating of cross-connection 2-pole	A
Continuous current rating of cross-connection multipole	A

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

Ceramic

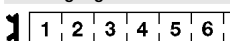
Version
Ceramic



Connecting sleeve
Attachment screw

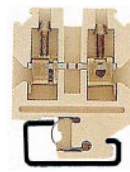
Locking pin
End bracket
PE terminal

Print



Consecutive horizontal
Consecutive vertical

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





TS 15

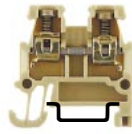
Feed-through terminals

PE terminals

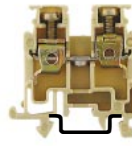
Fuse terminals

Disconnect terminals

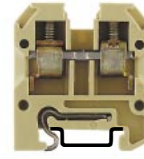
AKZ 1.5 AKZ 1.5/10



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 ²			26 A / 4 mm ²			38,5 A / 6 mm ²			38,5 A / 6 mm ²			
Dimensions															
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			
VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1															
Rated voltage / current / cross-section			400 V/17,5 A/1,5 mm ²			250 V/24 A/2,5 mm ²			500 V/32 A/4 mm ²			500 V/32 A/4 mm ²			
Rated impulse voltage / Pollution severity			6 kV/3			4 kV/3			6 kV/3			6 kV/3			
Further technical data															
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			
Clampable conductor															
solid H07V-U		mm ²	0,5...2,5			0,5...4			0,5...6			0,5...6			
stranded H07V-R		mm ²	1,5			1,5...2,5			1,5...4			1,5...4			
flexible H07V-K		mm ²	0,5...1,5			0,5...2,5			0,5...4			0,5...4			
flexible H07V-K and AEH DIN 46 228/1		mm ²	0,5...1,5			0,5...2,5			0,5...4			0,5...4			
flexible H07V-K and AEH with plastic collar		mm ²	0,5...1,5			0,5...2,5			0,5...4			0,5...4			
Max. Clamping Range in mm ² / 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		
UL / CSA rated data															
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			
Ordering data		Type	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.	TS 15	Cat. No.	Qty.	
		KrG													
		PA		034046	100	(with spigot)	069716	100		029432	100				
		Blue PA		034048	100	(with spigot)	069718	100		029436	100	for test adapter	153826	100	
		PA	(10pol.w/o.mrk.)	035806	10	(without spigot)	017596	100	(10pol.w/o.mrk.)	035956	10	w. mark./f. test ad.	148936	10	
		PA	(10pol.w. mrk.)	035816	10	AKZ 2.5 with AP	038586	50	(10pol.w. mrk.)	035966	1	ATA 1, 1-pole	163253	25	
												ATA 1, 10-pole	163324	5	

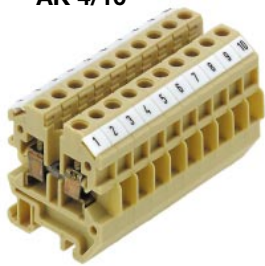
For further accessories see section 3, further marking material see section 8 u. 8

* For PA terminals only

1) Test adapter with crimped cables available on request

2) 300 mm long

AK 4 AK 4/10



38,5 A / 6 mm²

60/32/34		
9 mm/M 3/3,5 x 0,6		
690 V/32 A/4 mm²		
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.
	048956	100
(10pol.w/o.mrk.)	036656	10
(10pol.w. mrk.)	046956	10
Type	Cat. No.	Qty.
BB 3 (8,0)	036666	50
Combined AP + end bracket		
TW/AP (1,5)	133176	20
TSch 4	036336	100
Q 2	036900	50
Q 3	036910	50
Q 4	036920	50
Q 10	036930	20
AD 4	030340	50
BSK M 2,5x18	030330	100
StB 8.5	021570	50
PS 2.3	018040	20
FW 6	046866	500
FS 6	046876	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 mm²		
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.
	130336	100
	(Green/yellow)	
Type	Cat. No.	Qty.

*) rated voltage between PE and feed-through to VDE 0110/1.89

AKE 4



7/32/34		
9 mm/M 3/3,5 x 0,6		
IEC 947-7-2		
690 V**/-/4 mm²		
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.
	038026	100
	(Green/yellow)	
Type	Cat. No.	Qty.

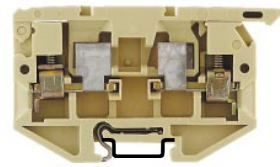
AKE 4 MS



7/27,5/30		
9 mm/M 3/3,5 x 0,6		
-/-/4 mm ²		
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.
	021120	50
Type	Cat. No.	Qty.

1) The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

ASK 1



8/58/34		
9 mm/M 3/3,5 x 0,6		
500 V/6,3 A*/4 mm ²		
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.
	037686	100
5 x 20 without indicator		
Type	Cat. No.	Qty.
AP (1,5)	038036	20
QB 2 ¹⁾ insul.	046110	50
QB 3 ¹⁾ insul.	046120	50
QB 4 ¹⁾ insul.	046130	50
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. 033740)		
contact sleeve	055330	100
FW 6.5	046816	500
FS 6.5	046826	500

* With contact sleeve 19 A

SAKR

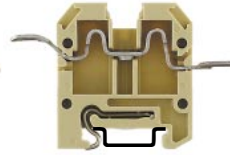
with 2 sockets or
with 2 clamping screws



6,5/42/45		
8 mm/M 3/3,5 x 0,6		
400 V ² /10 A/4 mm ²		
6 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 / 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	041286	100
w. clamp. scrw.	041276	100
Type	Cat. No.	Qty.
AP (1,5)	021136	20
QB 2 ¹) insul.	048270	50
QB 3 ¹) insul.	048280	50
QB 4 ¹) insul.	048290	50
QB 25 ¹) blank	013400	20
PS 2.3	018040	20
FW 6.5	046816	500
FS 6.5	046826	500

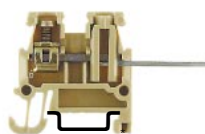
2) As disconnect terminal, rated voltage 250 V

AKZ 4 LL

Weidmüller 2/111

Wrap connection iaw. DIN/IEC 352 Part 1

AKZ 2.5 K



* 035786 = 45 mm

Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988 Size

5/26/46,7
0,8 x 1,6
7 mm/M 2,5/3,0 x 0,5
125 V/10 A/2,5 mm ²
2,5 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

0.6



Vertical
assembly

0.6 x 0.6
1.0 x 1.0
0.8 x 1.6 horizontal
0.8 x 1.6 vertical
0.8 x 2.4 horizontal
0.8 x 2.4 vertical

Type	Cat. No.	Qty.
AKZ 2.5 K	069626	10
AKZ 2.5 K	069636	10
AKZ 2.5 K	069646	10



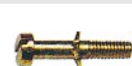
AP (2,5)	069726	5
----------	--------	---

TW (1,5)	031856	2
----------	--------	---



Q 3

Q 2	036820	5
Q 3	036830	5
Q 4	036840	5
Q 10	036850	2



VH



StB 8.5 021570 5



PS



StB

PS 2.3	018040	2
--------	---------------	---

1	2	3	4	5	6
---	---	---	---	---	---

Consecutive vertical

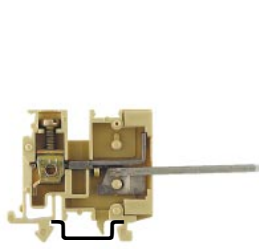
FW 5	047346	50
FS 5	047356	50

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

AKZ 2.5 K



AKZ 2.5 K



AKZ 4 T



AKZ 4 T



AKZ 4 T



AKZ 4 ST



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 mm²
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	069546	100
AKZ 2.5 K	069556	100
AKZ 2.5 K	069576	100
AKZ 2.5 K	069566	100

AP (2,5) **069726** 50

TW (1,5) **031856** 20

TSch 4 **036336** 100

Q 2	036820	50
Q 3	036830	50
Q 4	036840	50
Q 10	036850	20

StB 8.5 **021570** 50

PS 2.3 **018040** 20

FW 5 **047346** 500
FS 5 **047356** 500

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 mm²
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	069586	100
AKZ 2.5 K	069596	100
AKZ 2.5 K	069606	100
AKZ 2.5 K	069616	100

AP (2,5) **069726** 50

TW (1,5) **031856** 20

TSch 4 **036336** 100

Q 2	036820	50
Q 3	036830	50
Q 4	036840	50
Q 10	036850	20

StB 8.5 **021570** 50

PS 2.3 **018040** 20

FW 5 **047346** 500
FS 5 **047356** 500

6/27/48,5
1 x 1
9 mm/M 3/3,5 x 0,6

250 V/10 A/4 mm²
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	044586	100

AP (1,5) **029446** 20

TW (1,5) **034826** 50

TSch 4 **036336** 100

Q 2	033640	50
Q 3	033650	50
Q 4	033660	50
Q 10	036860	20

VL 2 **044670** 50
VH 10 **044660** 50
BS M 2,5 x 14 **026680** 100

StB 8.5 **021570** 50

PS 2.3 **018040** 20

FW 6 **046866** 500
FS 6 **046876** 500

6/27/50,5
0,8 x 1,6
9 mm/M 3/3,5 x 0,6

250 V/10 A/4 mm²
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	034416	100
AKZ 4 T	034406	100

AP (1,5) **029446** 20

TW (1,5) **034826** 50

TSch 4 **036336** 100

Q 2	033640	50
Q 3	033650	50
Q 4	033660	50
Q 10	036860	20

VL 2 **044670** 50
VH 10 **044660** 50
BS M 2,5 x 14 **026680** 100

StB 8.5 **021570** 50

PS 2.3 **018040** 20

FW 6 **046866** 500
FS 6 **046876** 500

6/27/57,8
0,8 x 2,4
9 mm/M 3/3,5 x 0,6

250 V/10 A/4 mm²
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	036646	100
AKZ 4 T	046166	100

AP (1,5) **029446** 20

TW (1,5) **034826** 50

TSch 4 **036336** 100

Q 2	033640	50
Q 3	033650	50
Q 4	033660	50
Q 10	036860	20

VL 2 **044670** 50
VH 10 **044660** 50
BS M 2,5 x 14 **026680** 100

StB 8.5 **021570** 50

PS 2.3 **018040** 20

FW 6 **046866** 500
FS 6 **046876** 500

6/27/50,2
0,8 x 1,6
-

250 V/10 A/2,5 mm²
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...2,5 / -

20
20

300 V/10 A/26...14 AWG
300 V/10 A/24...12 AWG

Type	Cat. No.	Qty.
AKZ 4 ST	043926	100

AP (1,5) **029446** 20

TW (1,5) **034826** 50

TSch 4 **036336** 100

Q 2	036900	50
Q 3	036910	50
Q 4	036920	50
Q 10	036930	20

VL 2 **044670** 50
VH 10 **044660** 50
BS M 2,5 x 14 **026680** 100

StB 8.5 **021570** 50

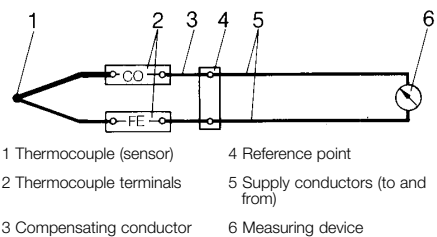
PS 2.3 **018040** 20

FW 6 **046866** 500
FS 6 **046876** 500

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



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		with TS 15	
Width / length / height (mm)		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 ²	
Further technical data			
Tightening torque range		Nm	0,5...1
Torque setting with DMS 2 electric screwdriver			2
Clampable conductor			
solid H07V-U		mm ²	0,5...4
stranded H07V-R		mm ²	1,5...4
flexible H07V-K		mm ²	0,5...4
flexible H07V-K and AEH DIN 46 228/1		mm ²	0,5...2,5
flexible H07V-K and AEH with plastic collar		mm ²	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		Version	
for thermocouples according to IEC 584 (DIN 43710)	Type J	Fe – CuNi	TS 15 Cat. No. Qty. 162701 20
	Type T	Cu – CuNi	on request
	Type K	NiCr – Ni	167713 20
	Type E	NiCr – CuNi	on request
End plate		Cat. No.	
		AP (thickness 1.5 mm)	PA 029446 20
Partition		Cat. No.	
		TW (thickness 0.5 mm)	PA 034826 50
Marking tags		Print	
		Consecutive horizontal	FW 6 046866 500
		Consecutive vertical	FS 6 046876 500
For further accessories see section 3, further marking material see section 8			

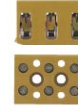
Multipole terminal blocks Screw/tab connection

MK 5/2

KS 2...10

BK 2...12

MK 6/2...6/6



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 / 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 mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic collar mm²

Max. Clamping Range in mm² / 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

Type Cat. No. Qty.

2-pole MK 5/2 KrG **024382** 100

3-pole

4-pole

4-pole

6-pole

6-pole

8-pole

8-pole

10-pole

12-pole

12-pole

Cover

D 2 (for MK 5/2) **024406** 50

Type Cat. No. Qty.

KS 2 KrG²) **013442** 100

300 V/25 A/24...12 AWG

KS 4 KrG²) **014032** 50

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

KS 6 KrG²) **014062** 50

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

KS 10 KrG²) **014162** 20

Cover

D 2 (for KS 2) **013450** 100

D 4 (for KS 4) **014050** 50

D 6 (for KS 6) **014080** 50

D 10 (for KS 10) **014180** 20

Type Cat. No. Qty.

BK 2 KrG **019772** 50

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

BK 3 KrG **019782** 50

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

BK 4 KrG **019522** 50

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

BK 6 KrG **019532** 50

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

BK 12 KrG **019892** 50

Type Cat. No. Qty.

MK 6/2 KrG **062042** 50

300 V/30 A/22...10 AWG

MK 6/3 KrG **062032** 50

300 V/40 A/22...10 AWG

MK 6/4 KrG **062022** 20

MK 6/4 PA **062026** 20

MK 6/6 KrG **062012** 20

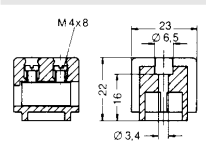
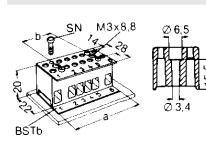
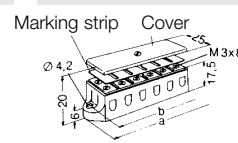
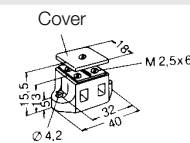
MK 6/6 PA **062016** 20



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 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

Marking strips

Printed

1 ...

Unprinted

ELSb 2 **014320** 50

ELSb 4 **014330** 50

ELSb 6 **014340** 50

ELSb 10 **014350** 50

ELSo 2 **014280** 50

ELSo 4 **014290** 50

ELSo 6 **014300** 50

ELSo 10 **014310** 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

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

BSTb 28/6 **030460** 50

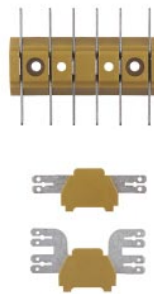
¹) Projecting length = 1 mm. To be considered for the last terminal in a row!
Printed on top on request

²) Please order cover and marking strips separately.

MDM 10/1



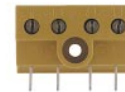
MF 1/6...1/12



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

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

flexible H07V-K and AEH with plastic collar

mm²Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988 Size63 A / 10 mm²

10/45/34,5

12 mm/M 4/5,5 x 1,0

800 V/57 A/10 mm²

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

See table below

See below

Continuous current rating of cross-connection 2-pole A

47

Continuous current rating of cross-connection multipole A

36

UL / CSA rated data

Voltage / current / conductor size

UL

Voltage / current / conductor size

CSA

Ordering data

PA

Type Cat. No. Qty.

MDM 10/1 912616 50

Direct mounting with an MB left and MB right

300 V/10 A/24...12 AWG

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

Type Cat. No. Qty.

MF 1/6 KrG²⁾ 047972 100MF 1/6 KrG³⁾ 048002 100MF 1/8 KrG²⁾ 047982 50MF 1/8 KrG³⁾ 048012 50MF 1/12 KrG²⁾ 047992 50MF 1/12 KrG³⁾ 048022 50

Screw/plug 6,3 x 0,8

Type Cat. No. Qty.

SLS 2/2 KrG 021342 100

SLS 2/4 KrG 024042 50

SLS 2/4 KrG 048032 50

Slotted

Attachment bracket

MB left 912526 20

MB right 912536 20

BS M 4 x 20 036280 100

SS M 4 013640 100

Small partition



TSch 1 031916 100

Cross-connection



Q 3

Q 2 045710 50

Q 3 045720 50

Q 4 045730 50

Q 10 045740 20

Switchable cross-connection link



VL

BS

VH

VL 2 013590 50

VH 19 028510 50

BS M 3 x 25 029250 100

Test plug/Socket/Insulation sleeve

PS

StB

IH



StB 14 016990 50

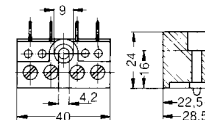
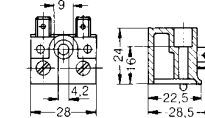
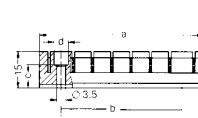
PS 4 029960 20

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^{+0,5} 102 8 7,5

Cover/markings strips



AD 4 017860 50

BSK M 3 x 22 012890 100

BSTb 10/6 024090 50

BSTb 10/8 024110 50

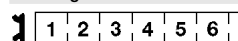
BSTb 10/12 020950 50

BSTo 10/6 024080 50

BSTo 10/8 024100 50

BSTo 10/12 020940 100

Marking material



Consecutive horizontal

Consecutive vertical

FW 6 046866 500

FS 6 046876 500

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

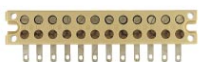
* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

²⁾ Single tab
³⁾ Double tab

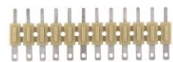
Multipole terminal blocks

Screw, solder, tab connection

MKL 2/12



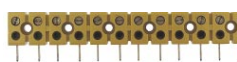
MF 2/12



MKL 3/12

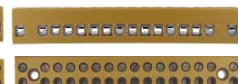


024362

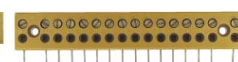


024992

MKL 4/16



026202



024432

Dimensions

Width / length / height (mm)

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 DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

flexible H07V-K and AEH with plastic collar

mm²

Max. Clamping Range in mm² / 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

Horizontal

2-pole

Other numbers of poles available on request

4-pole

6-pole

12-pole

16-pole

Vertical

2-pole

Other numbers of poles available on request

4-pole

6-pole

12-pole

16-pole

double-sided 2.8 x 0.8

single-sided 0.8 x 1.6/2.8 x 0.8

Expansion rivet/insulating sleeve

IH

Marking strips

Printed

1 ...

Bottom

Top

unbedruckt

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.

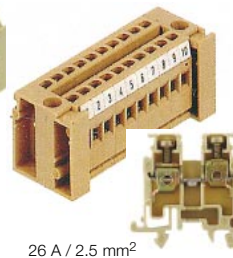
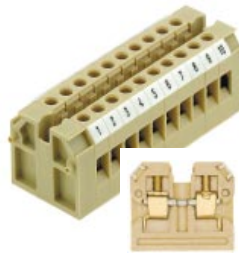
) Rated voltage 250 V

Multipole terminal blocks
Screw, solder, tab connection
Modular design

AKB 4

AKZ 2.5

ASK 1



Max. Technical Data

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 / 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 mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic collar mm²

Max. Clamping Range in mm² / 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

32 A / 4 mm²

6/27/23

9 mm/M 3/3,5 x 0,6

400 V/32 A/4 mm²

6 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.33...4.0 / A3

20

20

300/250 V/27 A/22...12 AWG

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

Type Cat. No. Qty.

AKB 4 PA **032156** 100

Blue PA **032158** 100

Direct mounting with BB 1,
please order separately

26 A / 2.5 mm²

5/25,5/22,6

7 mm/M 2,5/3 x 0,5

250 V/24 A/2,5 mm²

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...10 AWG

Type Cat. No. Qty.

AKZ 2.5 **069716** 100

AKZ 2.5 **069718** 100

Direct mounting with BB 1,
please order separately

8/58/30,5

9 mm/M 3/3,5 x 0,6

500 V/6,3 A/4 mm²

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 / A3

(QB 2...4) 10

300 V/6,3 A/26...12 AWG

Type Cat. No. Qty.

ASK 1 PA **037696** 100

(for G fuse inserts
5x 20 without indicator)

End plate/attachment bracket (thickness mm)



AP

BB 1 (7) **032056** 50

BS M 3 x 15 **035900** 100

PA

Blue PA

BB 4 (7,5) **069756** 50

AP (2,5) **069736** 50

AP (2,5) **069738** 50

AP (1,5) **038036** 20

Partition (Thickness mm)



TW PA (0,5) **034826** 50

Small partition



TSch 4 **036336** 100

Cross-connection



Q 3

Q 2 **033640** 50

Q 3 **033650** 50

Q 4 **033660** 50

Q 10 **036860** 20

Q 2 **036820** 50

Q 3 **036830** 50

Q 4 **036840** 50

Q 10 **036850** 20

QB 2¹⁾ **046110** 50

QB 3¹⁾ **046120** 50

QB 4¹⁾ **046130** 50

Switchable cross-connection link



VL

BS

VH

VL 2 **044670** 50

VH 10 **044660** 50

BS M 2,5 x 14 **026680** 100

Test plug/Socket



PS

StB

StB 8.5 **021570** 50

PS 2.3 **018040** 20

StB 8.5 **021570** 50

PS 2.3 **018040** 20

Cover/Diode plug

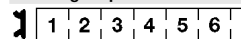


contact sleeve

AD 4 **030340** 50

BSK M 2,5x18 **030330** 100

Marking strips



Consecutive horizontal

Consecutive vertical

FW 6 **046866** 500

FS 6 **046876** 500

FW 5 **047346** 500

FS 5 **047356** 500

FW 6.5 **046816** 500

FS 6.5 **046826** 500

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

¹⁾ The conductor cross-section is reduced to max. 2.5 mm² 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)

Length solder tag/pin (mm)

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 DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic collar mm²

Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988Size

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

Version for sheet metal mm:

PA

KrG

EP

Pin 0,6x0,6

Pin 1,0x1,0

Pin 0,8x1,6

FS 1x6,3 slotted/0,8x2,8

12-pole PA

End plate (thickness mm)

	KrG	Type	Cat. No.	Qty.
	PA	AP (3)	016252	100
	EP			

Spacer (thickness mm)

	KrG	ZP (1,5)	024072	50
	KrG	ZP (2,5)	028852	20

Partition (thickness mm)

	TW			

Test plug/Socket

	PS		StB	

Fuse pin/insulation sleeve/expansion rivet

	IH			

Marking tags

Print

	1	2	3	4	5	6
	Consecutive horizontal					
	Consecutive vertical					

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	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

The image shows two cross-sectional views of the AKZ 2.5 K mechanical seal. The left view shows the seal in its closed state, with the gasket (1) and O-ring (2) pressing against the gland flange (3). The right view shows the seal in its open state, with the gasket (1) and O-ring (2) retracted into the gland flange (3) by the action of the spring (4) and the gland flange (3) moving away from the shaft (5).

ADK 1 FT

MK 2/12

010916 Solder tag

[illegible]

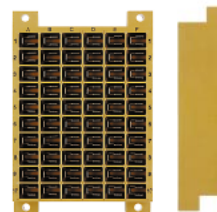
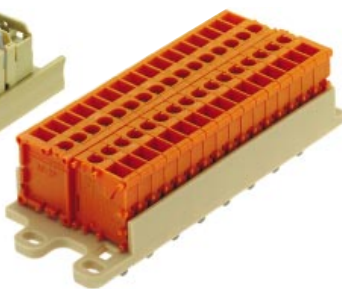
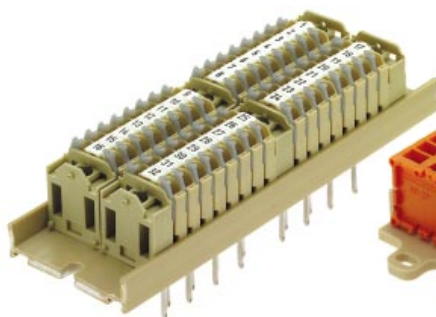
Rack mounted interface system

DSG 1.5 T/32

TOP 1.5 F/32

SP 10 FF²⁾ SP 10 LF³⁾

SP 60 FF²⁾ SP 60 LF³⁾



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		
Rated data					
Rated voltage/rated current/rated cross-section		250 V/10 A/1,5 mm ²	250* V/6 A/1,5/1 mm ²	1000* V/16 A/2,5/1,5 mm ²	400* V/16 A/2,5/1,5 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity		4 kV/3	4 kV/3	6 kV/3	6 kV/3
Further technical data					
Tightening torque range	Nm		0,4...0,7		
Torque setting with DMS 2 electric screwdriver			1		
Clampable conductor					
solid H07V-U	mm ²	0,5...2,5	0,5...2,5		
stranded H07V-R	mm ²	1,5	1,5		
flexible H07V-K	mm ²	0,5...1,5	0,5...1,5		
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...1,5	0,5...1,5		
flexible H07V-K and AEH with plastic collar	mm ²	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.
Pin 1.0 x 1.0	PA		Type	Cat. No.	Qty.
Pin 0.8 x 2.8 (push-on), unprinted	PA		TOP 1.5 F/32	044316¹⁾	5
Pin 0.8 x 2.8 (push-on), printed, 1...32	PA		TOP 1.5 F/32	026536	10
Pin 0.8 x 2.8 (push-on), printed, 1...32, blue	PA		TOP 1.5 F/32	030156	10
			TOP 1.5 F/32	030158	10
6 x plug (6.3 x 0.8)	KrG				
6 x plug (6.3 x 0.8), blue	KrG			SP 10 FF	045622 10
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted	KrG				SP 60 FF ⁴⁾ 034032 1
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted, blue	KrG				SP 60 FF ⁴⁾ 034037 1
3 x plug (6.3 x 0.8)/1 x solder per pole	KrG				SP 60 FF ⁴⁾ 060902 1
3 x plug (6.3 x 0.8)/1 x solder per pole, blue	KrG				
3 x plug (6.3 x 0.8)/1 x solder per pole, blue	KrG			SP 10 LF	048052 10
3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder	KrG				SP 60 LF ⁴⁾ 034372 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 ⁴⁾ 034377 1
2 x direct connection, 1 x pin 0.8 x 1.6	PA	DSG 1.5 T/32	063086		SP 60 LF ⁵⁾ 012452 1
					SP 60 LF ⁵⁾ 012457 1

printed:

⁴⁾ A...F / 1...10

⁵⁾ 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	038606	100	IH 2.8	038606	100	IH 2.8	038606	100	IH 2.8	038606	100
IH 6.3	038626	100	IH 6.3	038626	100	IH 6.3	038626	100	IH 6.3	038626	100

Marking tags

Print

dekafix	For group markers	FW 5	047346	500	FW 5	047346	500
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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.

¹⁾ Rated voltage 125 V

²⁾ FF=Tab - Tab

³⁾ LF=Solder - Tab

SP 90 FF²⁾
SP 90 LF³⁾


$$\frac{40/45,5/228,5/110}{217/90}$$
$$\frac{400 \cdot \text{V} / 16 \text{ A} / 2,5 / 1,5 \text{ mm}^2}{6 \text{ kV} / 3}$$

300/250 V/10 A/-

Type	Cat. No.	Qty.
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SP 90 FF**	024812	1
SP 90 FF**	024817	1
SP 90 FF**	060892	1
SP 90 FF**	060897	1
SP 90 LF**	024822	1
SP 90 LF**	024827	1

Print:

** A...F / 1...15

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

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 mm² 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

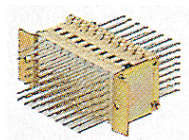
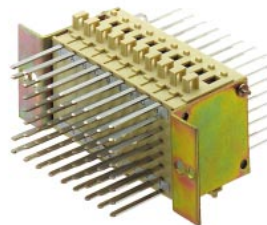
Type	Cat. No.	Qty.
DSA 1	057606	50

125 V/-/-	Cat. No.	Qty.
	044406	1
	054596	1

With shield pins

Type	Cat. No.	Qty.
DSA 1	057606	50

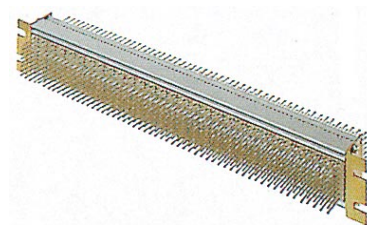
RV 4/9 short



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 mm² 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

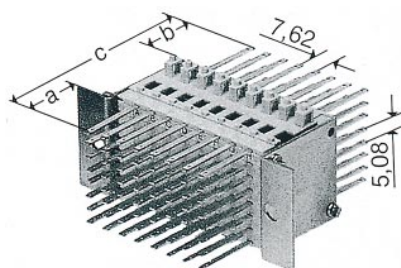
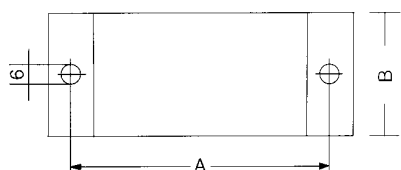
Type	Cat. No.	Qty.
DSA 1	057606	50
DSA 1/8	014076	40

125 V/-/-	Cat. No.	Qty.
	011936	1
	054446	1

Type	Cat. No.	Qty.
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125 V/-/-	Cat. No.	Qty.
	046226	1
	053306	1

Type	Cat. No.	Qty.
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Type	Size A in mm	Size B 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