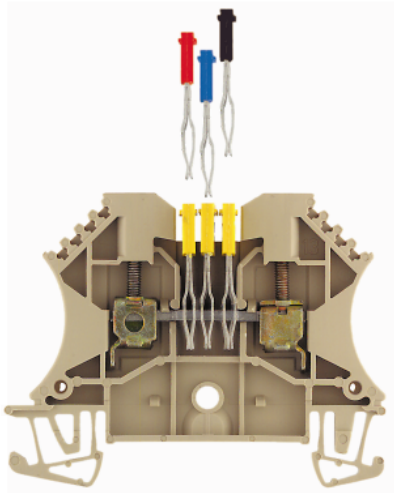


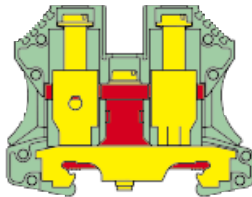
Terminals

W-Series



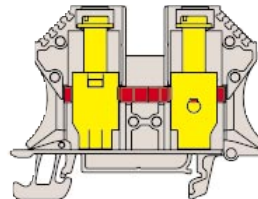
Pluggable cross-connections for

WDU 2.5 Page 2/4



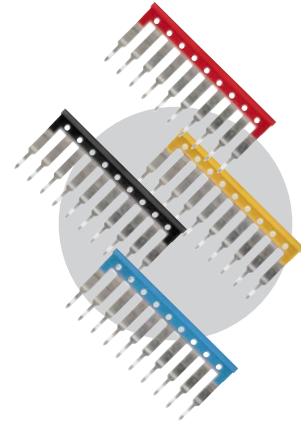
Installation terminal blocks

WPE 35 N Page 2/14



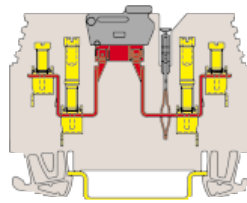
Installation terminal blocks

WDU 35 N Page 2/9



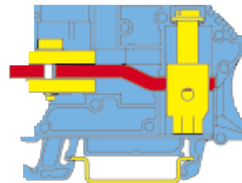
different colour versions

ZQV Cross-connections Page 2/5



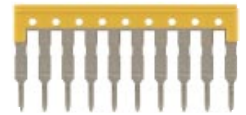
Disconnect test terminal blocks

WTR 2.5/ZZ Page 2/23



Installation terminal blocks

WNT 35 N Page 2/17



Cross-connections

Page 2/4

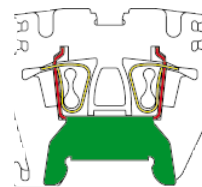
Z- Series Miniblocks in tension clamp technology



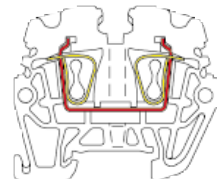
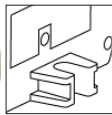
ZDUB 2.5-2 Direct mounting Page 2/57



ZDUB 2.5-2 TS15/TS35 Page 2/57



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



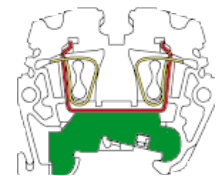
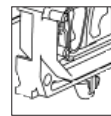
ZDUA 2.5-2 TS15 Page 2/59



ZDUB 2.5-2 TS15 Page 2/57



ZDUB 2.5-2 Rastclip Page 2/57



ZPEA 2.5-2 TS15 Page 2/59

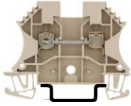













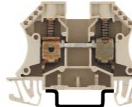

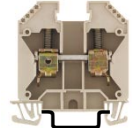
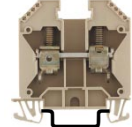
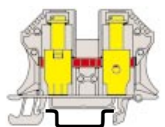

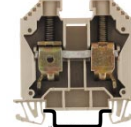


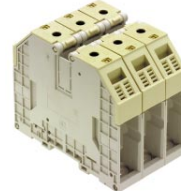


KLBÜ Series




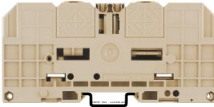
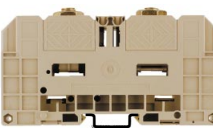


Terminals

W Series - Innovative terminals made of inflammable polyamide



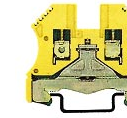
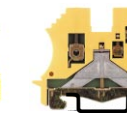
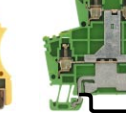
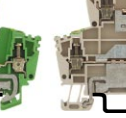





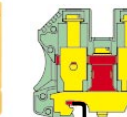




Feed-through terminal blocks in Wemid for TS 35

									
WDU 2.5					WDU 2.5/10				
Page 2/5					Page 2/5				
									
WDU 2.5N	WDU 1.5/ZZ	WDU 2.5/1.5/ZR	WDU 2.5	WDK 2.5	WDK 2.5	WDK 2.5 V	WDK 2.5 DU-PE	WDK 2.5 E	
WDU2.5N/10/BEZ			WDU 2.5/10/BEZ	WDK 2.5/10/BEZ	800 V			WDK 2.5 E GET.SCH.	
Page 2/6	Page 2/6	Page 2/6	Page 2/6	Page 2/7	Page 2/7	Page 2/7	Page 2/7	Page 2/7	
									
WDU 4	WMA 4/5	WDU 6	WDU 10	WDU 16N	WDU 16				
WDU 4/10/BEZ	WMA 4/4	WDU 6/10/BEZ							
Page 2/7	Page 2/8	Page 2/8	Page 2/8	Page 2/8	Page 2/9				
									
WDU 16/ZA	WDU 35N	WDU 35	WDU 35/ZA	WDU 70N					
with lug			with lug						
Page 2/9	Page 2/9	Page 2/9	Page 2/9	Page 2/9					
									
WDU 70/95	WDU 70/95/...	WDU 120/150	WDU 120/150/...						
	Block of three		Block of three						
Page 2/10	Page 2/11	Page 2/11	Page 2/11						


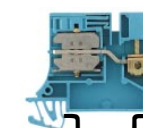
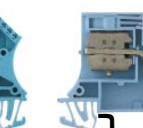
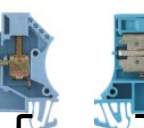
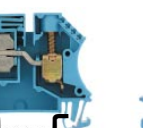

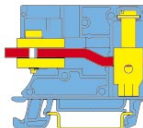
Tab connection terminals in Wemid for TS 35

				
WFF 35	WFF 70	WFF 120	WFF 185 M 12 / WFF 185 M 16	WFF 300
M 6	M 8	M10	M 12 / M 16	M 16
Page 2/12	Page 2/12	Page 2/13	Page 2/13	Page 2/13



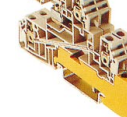
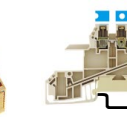
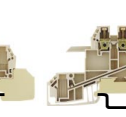
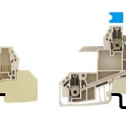

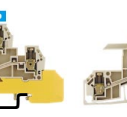
Protective conductor terminal blocks in Wemid for TS 35

							
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


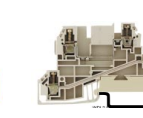

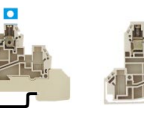
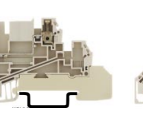


Isolating neutral terminal blocks in Wemid for TS 35

						
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

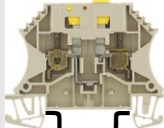
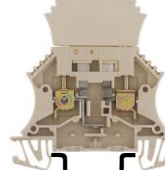
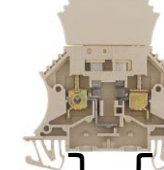
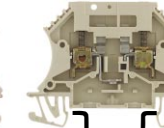
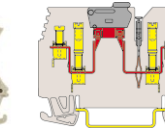

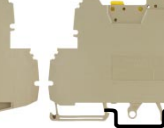
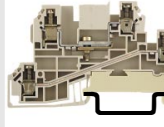
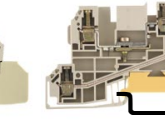
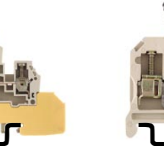
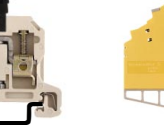
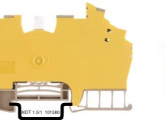
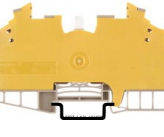
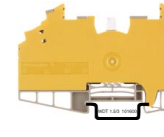
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

							
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



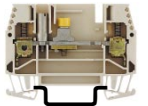


Three-way terminal blocks in Wemid for TS 35 with WQV 4 N-cross-connection system

						
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

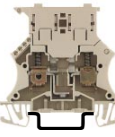
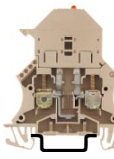

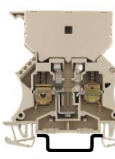
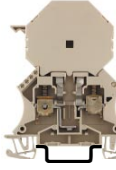
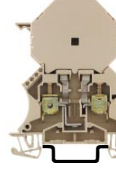
Disconnect test terminal blocks in Wemid

						
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	WDT 1.5/3 insulation measuring
Page 2/23	Page 2/23	Page 2/23	Page 2/24	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

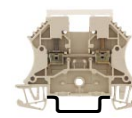
Fuse terminals in Wemid for TS 35

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

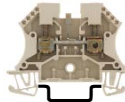
Fuse terminals in Wemid for TS 35

		
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

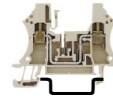

WDU 2.5/TC Types K,T,J,S+R,B,E
Page 2/34

Terminals with plug-in connection WSA



WDU 4 SA
400 V
Page 2/35

Terminal housing to take electronic components



WPO
Page 2/35

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

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

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

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 WDK 2.5 TT	WDU 2.5 T	WDU 2.5 L WDU 2.5 LL	WTR 2.5 L WTR 2.5 LL
Page 2/38	Page 2/38	Page 2/38	Page 2/38	Page 2/39	Page 2/39	Page 2/39	Page 2/39	Page 2/39	Page 2/39

Feed-through terminals with tab-connection


















AST 1	AST 4	AST 5	SAK 4 S/35 SAK 4 SS/35
Page 2/40	Page 2/40	Page 2/40	Page 2/40











Terminal blocks coloured





WDU 2.5	WDU 4	WTR 2.5	WSI 6
Page 2/41	Page 2/41	Page 2/41	Page 2/41



Terminals

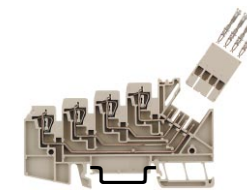

Z Series - Innovative terminals with tension clamp connection

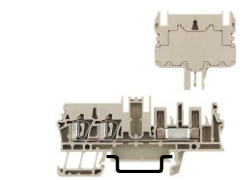
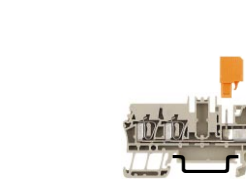
Feed-through terminals in Wemid for TS 35									
									
ZDU 2.5-2/3AN	ZDU 2.5-2/4AN	ZDU 2.5	ZDU 2.5/3AN	ZDU 2.5/4AN	ZDU 2.5/2 x 2 AN	ZDU 2.5	ZDU 2.5	ZDU 4	ZDU 6
		ZDU 2.5/10	ZDU 2.5/3AN/10	ZDU 2.5/4AN/10	ZDU 2.5/2 x 2 AN/10	2 x 2 AN/D	2x2 AN/LD	ZDU 4/10	ZDU 6/10
Page 2/44	Page 2/44	Page 2/44	Page 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/D/1...6			
					ZDK 2.5/1.5/LD/2				
Page 2/46	Page 2/46	Page 2/46	Page 2/46	Page 2/47	Page 2/47				

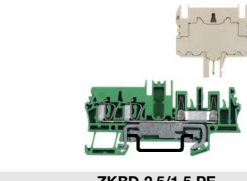

Protective earth terminals in Wemid for TS 35									
									
ZPE 2.5-2/3AN	ZPE 2.5-2/4AN	ZPE 2.5	ZPE 2.5/3AN	ZPE 2.5/4AN	ZDK 2.5/1.5 PE	ZDK 2.5/1.5	ZDK 2.5/1.5	ZPE 4	ZPE 6
						DU-PE	N-PE		
Page 2/48	Page 2/48	Page 2/48	Page 2/48	Page 2/49	Page 2/49	Page 2/49	Page 2/49	Page 2/49	Page 2/49

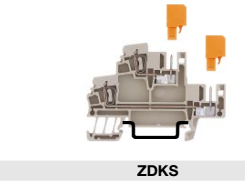
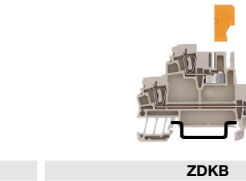
Disconnect test terminals in Wemid for TS 35			
			
ZTR 2.5	ZTR 2.5/3 AN	ZTR 2.5/D	ZTR 2.5/3 AN/D
Page 2/50	Page 2/50	Page 2/50	Page 2/50

Fuse terminals in Wemid for TS 35	
	
ZSI 2.5	ZSI 2.5/2
for metric fuses	for inch fuses
Page 2/51	Page 2/51







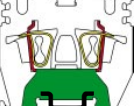
Terminals with plug-in connector	
	
ZRV 1.5 mit STGH ZRV 1.5	ZRV 1.5PE mit STGH ZRV 1.5/PE
Page 2/53	Page 2/53

Feed-through terminal with connector socket	
	
ZKBD 2.5/1.5	ZKSD 2.5/1.5
with ZSLD or SLZF	with ZBLD or BLZF
Page 2/54	Page 2/54

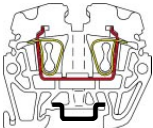
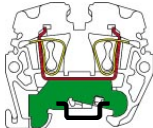
Protective earth terminal with connector socket	
	
ZKBD 2.5/1.5 PE	ZKSD 2.5/1.5 PE
with ZSLD or SLZF	with ZBLD or BLZF
Page 2/55	Page 2/55

Feed-through terminal with connector socket	
	
ZDKS	ZDKB
with BLZF	with SLZF
Page 2/56	Page 2/56




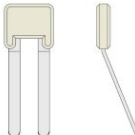
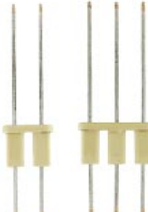

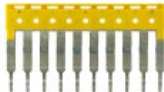
Miniblock terminals

						
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

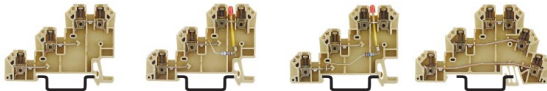


Miniature circular connectors
SAISW-5/7
Page 2/69

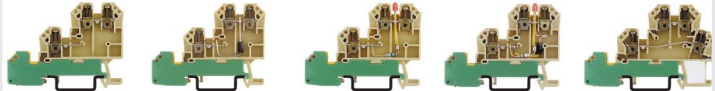
DL-, VL series

Innovative terminals with several connection levels

Feed-through terminals for initiators and actuators



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



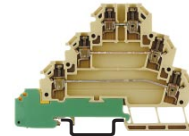
DLA 2.5	DLA 2.5/D with Diode	DLA 2.5/LD with LED	DLA 2.5/LD/D with LED+Diode	DLD 2.5/PE
Page 2/71	Page 2/71	Page 2/71	Page 2/71	Page 2/71

Feed-through terminals for initiators and actuators



KDKS 1/PE	VLI 1.5	VLI 1.5/PE
Page 2/71	Page 2/72	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	SAK 2.5 6 mm width	SAKD 4	DK 4 Q	DK 4 QV	SAK 6 N	SAK 10
Page 2/74	Page 2/74	Page 2/74	Page 2/74	Page 2/75	Page 2/75	Page 2/75



SAK 16	SAK 35 N	SAK 35	SAK 70	SAK 95
Page 2/75	Page 2/76	Page 2/76	Page 2/76	Page 2/76

Feed-through terminals for thermocouples



SAK 2.5 TC

Page 2/78



DK 4 TC

Page 2/78

Stud terminals in KrG for TS 32



SAKG 28 I

M 6

Page 2/79



SAKG 28 II

M 6

Page 2/79



SAKG 28 II G

M 6

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

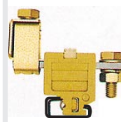
Page 2/81



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

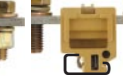
Page 2/82



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

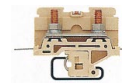
Page 2/85



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



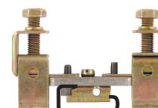
EK 2
10 mm²

Page 2/87



SAKE 35



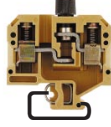

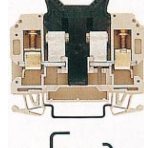
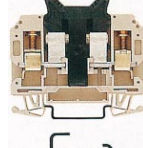
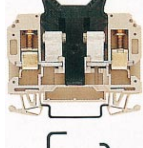
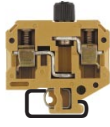




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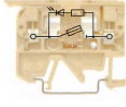
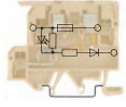
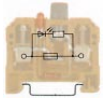
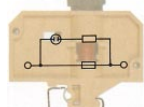
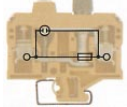
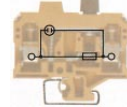
SAKE 70

Page 2/87

Fuse terminals for TS 32

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



Fuse terminals with indicator

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








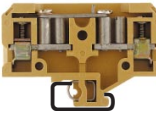

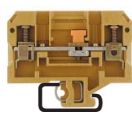
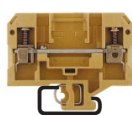
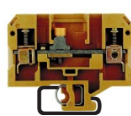
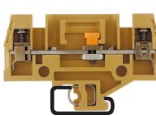


Fuse cartridges and gauge rings for Weidmüller fuse terminals

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

Pressure connectors for TS 32

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

Disconnect terminals for TS 32

							
SAKR 4 mm ² Page 2/95	SAKR-D with diode plug DLS 2 Page 2/95	DKT 4 Page 2/95	DKT 4 V Page 2/95	ASK 1 Page 2/95	SAKC 4 / SAKC 4/35 4 mm ² Page 2/96	SAKC 10 / SAKC 10/35 10 mm ² Page 2/96	
							
SAKA 10 Page 2/96	SAKB 10 Page 2/96	SAKT 1/LT Lateral disconnection Page 2/97	SAKT 1/DU 1 Feed-through Page 2/97	SAKT 1/QT 1 Cross-disconnection Page 2/97	SAKT 2/LT Lateral disconnection Page 2/97	SAKT 4/LT Page 2/98	SAKT 4/DU Feed-through 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 only 2,8 mm	SAK 2.5 T 1 x 1 Pin	SAK 2.5 T 0,8 x 1,6 Pin	SAK 2.5 T 0,8 x 2,4 Pin		
Page 2/101	Page 2/101	Page 2/102	Page 2/102	Page 2/102		
						
DK 4 T / DK 4 QT 1 x 1 Pin	DK 4 T / DK 4 QT 0,8 x 1,6 Pin	DK 4 T / DK 4 QT 0,8 x 2,4 Pin	SAKR T 1x1, 0,8x1,6, 0,8x2,4	SAK 2.5/M.LS with shield connection	SAK 2.5 L	SAK 2.5 LL
Page 2/103	Page 2/103	Page 2/103	Page 2/103	Page 2/105	Page 2/105	Page 2/105
						
SAKR L with Disconnecter	SAKR L with 1 x StB. ø 2,3 mm	SAKR L with 2 x StB. ø 2,3 mm	SAKR LL with Disconnecter	SAKR LL with 2 x StB. ø 2,3 mm	TAL Disconn., 2 solder conn.	TAL Disconn., 4 solder conn.
Page 2/105	Page 2/106	Page 2/106	Page 2/106	Page 2/106	Page 2/107	Page 2/107

Rack mounted interface system



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

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



SAKK 4
for TS 32
Page 2/107



SAKK 10
for TS 32
Page 2/107











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




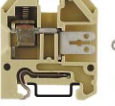

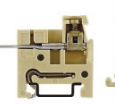
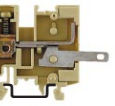
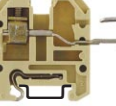
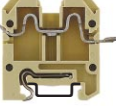
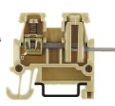










AKZ 4/TC
Page 2/114

AKZ series












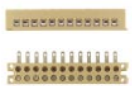

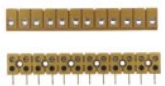
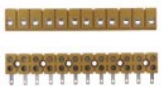
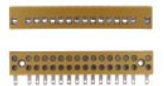
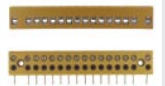
Feed-through terminals for space saving assembly

Feed-through-, PE-, Fuse- and Disconnect terminals for TS 15				
				
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	AKZ 4 SS	AKZ 4 S	AKZ 4 SF	AL 1	AKZ 1.5 L	AKZ 2,5 K	AKZ 4 L	AKZ 4 LL	AKZ 1,5 T
6,3 mm slotted	4 x 2,8 mm	Srew-2x2,8mm						Pin 0,8 x 1,6	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	AKZ 2,5 K	AKZ 2,5 K	AKZ 2,5 K	AKZ 4 T	AKZ 4 T	AKZ 4 T	AKZ 4 ST		
Pin 0,8 x 1,6	Pin 0,8 x 1,6	Pin 0,8 x 1,6	Pin 0,8 x 1,6	1 x 1	0,8 x 1,6	0,8 x 2,4	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		


MK-, BK series

Multipole terminal blocks and Feed-through terminals for direct mounting

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










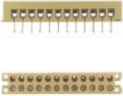
MK-, BK series

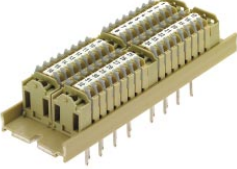


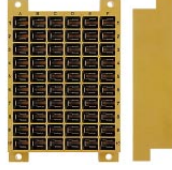

Multipole terminal blocks, Screw, solder, tab connection modular design

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

ADK series












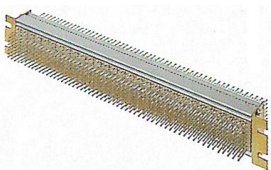
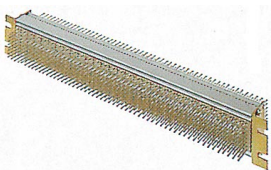
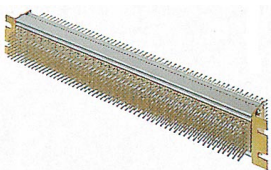
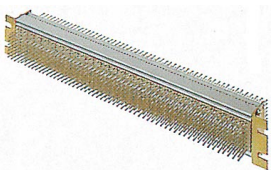
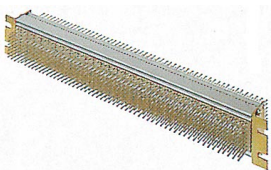
Feed-through terminals for sheet metal-cut-out mounting

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

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

RV series

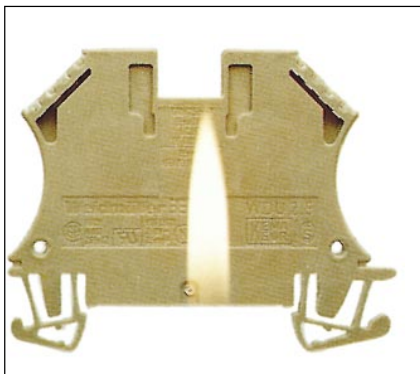
Interface system for high density wiring

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

Advantages of Weidmüller terminal blocks

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

- compact design
- same dimensions in a range from 2,5 - 16 mm², features a.o. disconnect and fuse functions
- easy project planning



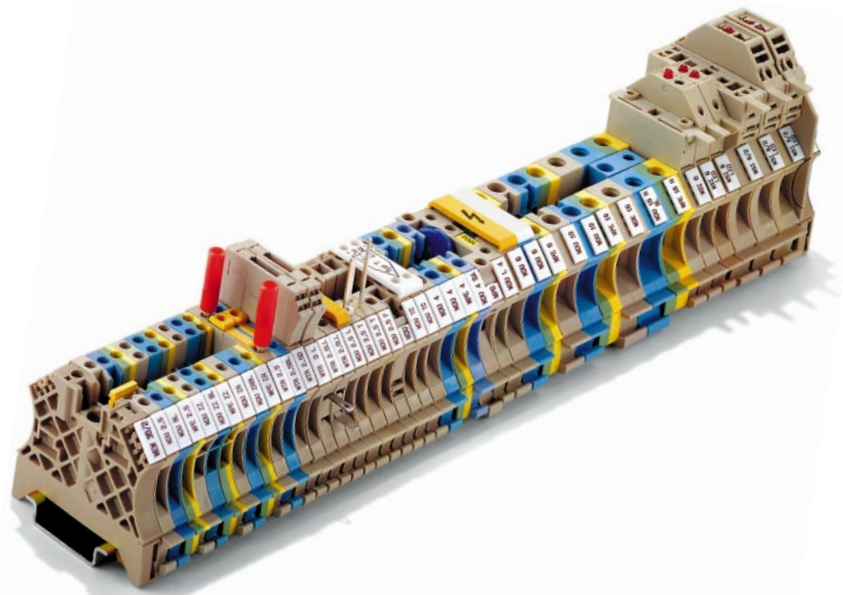
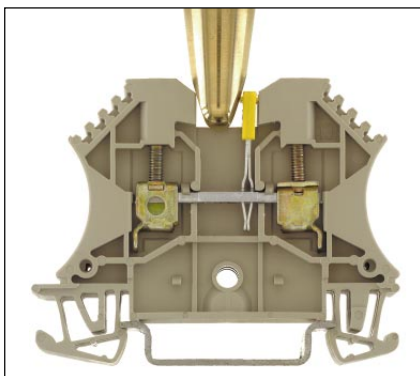
Common features of all variants are:

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

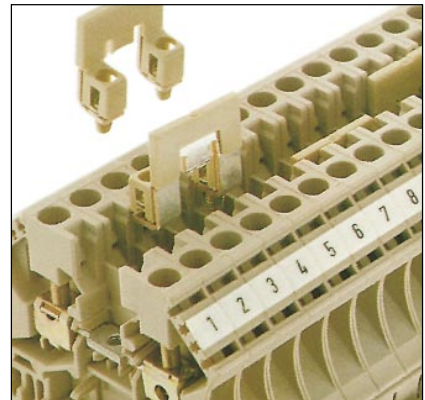
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

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.

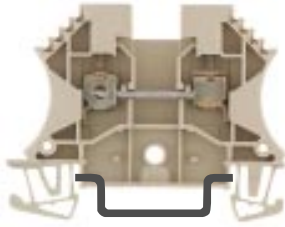


All approvals

- ① SEV Switzerland
- CSA Canada
- UL USA
- N NEMKO Norway
- D DEMKO Denmark
- S SEMKO Sweden
- KEMA 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

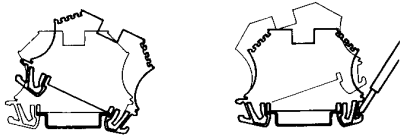


This series has **versions** for conductors up to 150 mm².

- 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

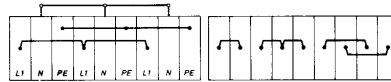
latch off

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.

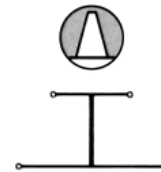
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

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**

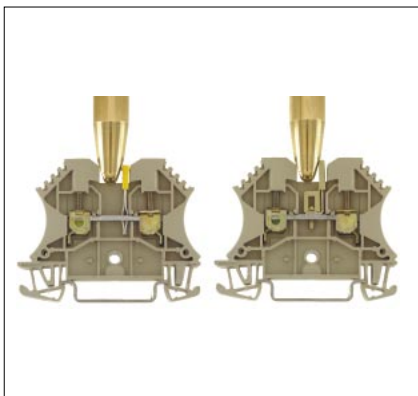
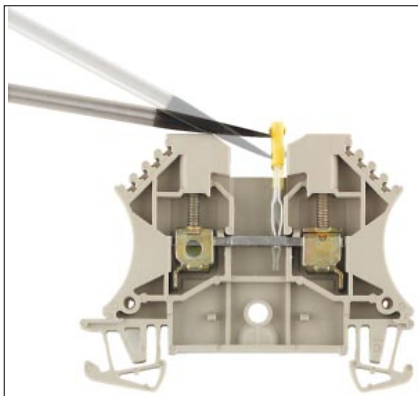
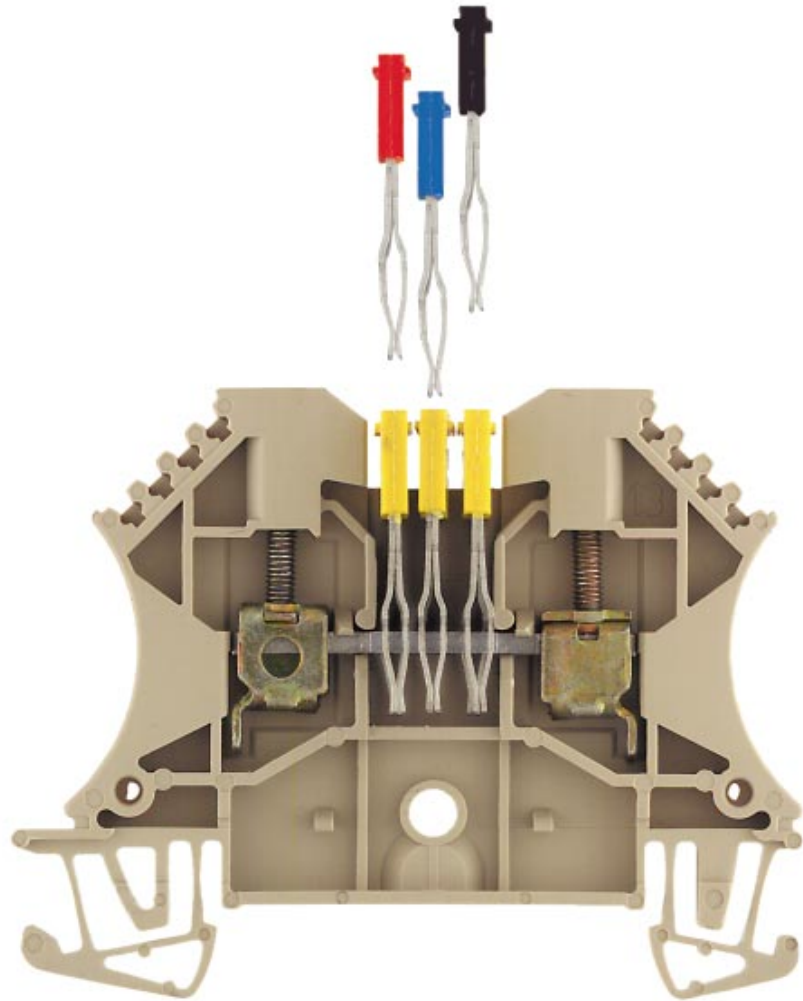
Cat.No. 102230

Pluggable cross-connection system for bestseller WDU 2.5

Cat. No. 102000

40 %

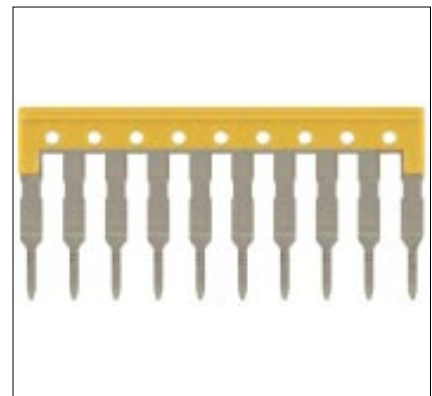
of all terminal blocks are cross-connected.
Considerable assembly time saving



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

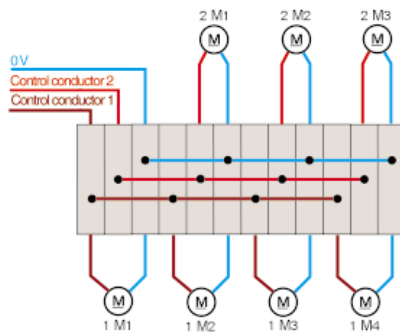


No end plates or partitions for neighbouring cross-connections up to 400 V

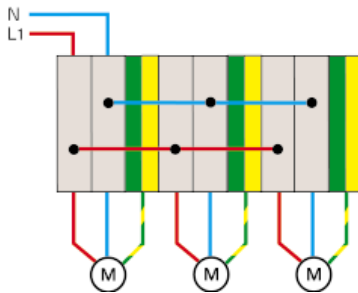


Contact elements can be removed by hand, so that several terminals can be skipped

Feed-through Terminals



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

¹⁾ When using the outer cross connection holes

Max. Technical Data

Dimensions	
Width/length/height (mm)	With TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage/pollution severity	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	
Clampable conductor	
solid H07V-U	mm 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
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	102000 100
Blue Wemid	102008 100
Orange PA	102006 100
Terminal block printed 1-9 Wemid	
Terminal block unprinted* Wemid	

End plate/partition	
WAP	WAP (thickness 1.5 mm) Wemid
	Blue Wemid
WTW	Wemid
	Blue Wemid

Cross-connection**	
ZQV	2-pole
	3-pole
	4-pole
WQV	5-pole
	6-pole
	7-pole
	8-pole
WQB B/24	9-pole
	10-pole
	32-pole
	endless 50pole

Screen lug LS 2.8	
Notching tool WAW 1 for WQV	

Test adapter	
WTA	

Test plug/socket	
PS 2.3	StB 8.5

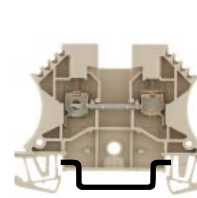
Cover	
WAD with Symbol	
WAD white (for self-labeling)	

Group marking	
T 5	WGB

Marking tags	
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	
WS DEK	WS

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

WDU 2.5



32 A/4 mm ²	
5/60/47	
10 mm/M 2,5/3,5 x 0,6	
800 V/24 A/2,5 mm ²	
8 kV/3	
0,4...0,8	
1	
0,5...4	
1,5...4	
0,5...4	
0,5...2,5	
0,5...2,5	
0,13...4	A 3
32/24	
32/24	

600 V/25 A/22...12 AWG	
600 V/20 A/26...12 AWG	
Cat. No.	Qty.
102000	100
102008	100
102006	100

WDU 2.5/10



32 A/4 mm ²	
50/60/47	
10 mm/M 2,5/3,5 x 0,6	
800 V/24 A/2,5 mm ²	
8 kV/3	
0,4...0,8	
1	
0,5...4	
1,5...4	
0,5...4	
0,5...2,5	
0,5...2,5	
0,13...4	A 3
32/24	
32/24	

600 V/25 A/22...12 AWG	
600 V/20 A/26...12 AWG	
Cat. No.	Qty.
102070	10
102080	10

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
WAP 2.5-10	105000	50	WAP 2.5-10	105000	50
WAP 2.5-10	105008	50	WAP 2.5-10	105008	50
WTW 2.5-10	105010	20	WTW 2.5-10	105010	20
WTW 2.5-10	105018	20	WTW 2.5-10	105018	20
ZQV 2.5N Qty. WQV 2.5 Qty.			ZQV 2.5N Qty. WQV 2.5 Qty.		
169380	60	105366	50	169380	60
169381	60	105376	50	169381	60
169382	60	105386	50	169382	60
169383	20	105396	10	169383	20
169384	20	105406	10	169384	20
169385	20	105416	10	169385	20
169386	20	105426	10	169386	20
169387	20	105436	10	169387	20
169388	20	105446	20	169388	20
-	157760	10	-	157760	10
169389	5		169389	5	
WQB B/24	157906	20	WQB B/24	157906	20
LS 2.8	105640	50	LS 2.8	105640	50
WAW 1	900450	-	WAW 1	900450	-

WTA 2	163232	50	WTA 2	163232	50
WTA 2/ZA	163233	50	WTA 2/ZA	163233	50
WTA 2/10	163234	5	WTA 2/10	163234	5
ZE 1 (Strain relief)	163215	50	ZE 1 (Strain relief)	163215	50

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

WAD 5	105346	50	WAD 5	105346	50
WAD 5 white	105606	50	WAD 5 white	105606	50

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

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

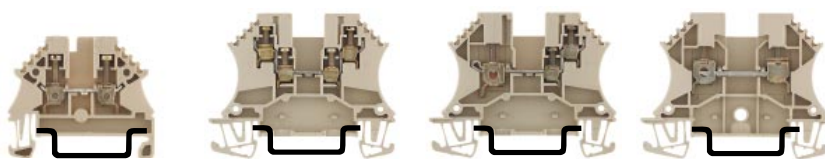
Feed-through terminal blocks

WDU 2.5N WDU 2.5N/10/BEZ

WDU 1.5/ZZ

WDU 2.5/1.5/ZR

WDU 2.5 WDU 2.5/10/BEZ



	WDU 2.5N WDU 2.5N/10/BEZ	WDU 1.5/ZZ	WDU 2.5/1.5/ZR	WDU 2.5 WDU 2.5/10/BEZ	
Max. Technical Data	26 A/2,5 mm ²	26 A/2,5 mm ²	32 A/4 mm ²	32 A/4 mm ²	
Dimension					
Width/length/height (mm)	5/44/37,5	5/60/47	5/60/47	5/60/47	
Insulation stripping length/clamping screw/screwdriver blade	10 mm/M 2,5/3,5 x 0,6	7 mm/M 2,5/3,5 x 0,6	10/7 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1					
Rated voltage/rated current/rated cross-section	500 V/24 A/2,5 mm ²	690 V/17,5 A/1,5 mm ²	690 V/24/17,5 A/2,5/1,5 mm ² **	800 V/24 A/2,5 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 0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,8	
Torque setting with DMS2 electric screwdriver	1	1	1	1	
Clampable conductor					
solid H07V-U	mm ² 0,5...4	0,5...2,5	0,5...4/2,5**	0,5...4	
stranded H07V-R	mm ² 1,5...4	1,5...2,5	1,5...4/2,5**	1,5...4	
flexible H07V-K	mm ² 0,5...4	0,5...1,5	0,5...4/1,5**	0,5...4	
flexible H07V-K and AEH DIN 46 228/1	mm ² 0,5...2,5	0,5...1,5	0,5...2,5/1,5**	0,5...2,5	
flexible H07V-K and AEH with plastic insul. collar	mm ² 0,5...2,5 ¹⁾	0,5...1,5 ¹⁾	0,5...2,5/1,5** ¹⁾	0,5...2,5 ¹⁾	
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size 0,13...4 A 3	0,08...2,5 A 1	0,13...4/0,08...2,5 A 3/A 1**	0,13...4 A 3	
Continuous current rating of cross-connection	WQV/QZV 2-5-pole A 24/-	32/24	32/24	32/24	
	WQV/QZV 6-10-pole A 24/-	32/24	32/24	32/24	
UL / CSA rated data					
Voltage / current / conductor size	UL 300 V/20 A/22...12 AWG	300 V/10 A/22...14 AWG	300 V/20/15 A/22...12 AWG	600 V/25 A/22...12 AWG	
Voltage / current / conductor size	CSA 300 V/20 A/26...12 AWG	300 V/10 A/26...14 AWG	300 V/20/15 A/26...12/14 AWG	600 V/20 A/26...12 AWG	
Ordering data					
	Version				
	Wemid	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	
	Blue Wemid	102370 100	103140 100	102470 100	
	Orange PA	102378 100	103148 100	102478 100	
	Terminal block printed 1-9 Wemid	102376 100		102000 100	
	Terminal block unprinted* Wemid	102490 10		102008 100	
		102480 10		102006 100	
				102070 10	
				102080 10	
End plate/partition					
	Type	Cat. No. Qty.	Type	Cat. No. Qty.	
	WAP (thickness 1.5 mm) Wemid	WAP-WDU 2.5N 106000 50	WAP 2.5-10	105000 50	
	Blue Wemid	WAP-WDU 2.5N 106008 50	WAP 2.5-10	105008 50	
	Wemid	WTW (1,5)	019186 20	WTW 2.5-10	105010 20
	Blue Wemid			WTW 2.5-10	105018 20
	Frame WDK 2.5			WTW 2.5-10	105018 20
Cross-connection					
WQV	WQB 8/24	Screen lug LS 2.8	2-pole	WQV 2.5/2	105366 50
			3-pole	WQV 2.5/3	105376 50
			4-pole	WQV 2.5/4	105386 50
			10-pole	WQV 2.5/10	105446 20
				WQB B/24	157906 20
				LS 2.8	105640 50
Notching tool WAW 1 for WQV				WAW 1	900450 -
Test adapter					
WTA	TA 1	Strain relief			
				WTA 1	163229 50
				WTA 1/ZA	163230 50
				WTA 1/10	163231 5
				ZE 1	163215 50
				WTA 2	163232 50
				WTA 2/ZA	163233 50
				WTA 2/10	163234 5
				ZE 1	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
Abdeckungen					
WAD with symbol				WAD 4	107200 50
WAD white				WAD 4 white	107210 50
for self-labeling					
Group marking					
T 5	WGB				
				T 5	034850 100
Tag carrier				SF 10	033240 1000
für S 10 markers				SG 10	033250 1000
Marking tags					
				DEK 5	047346 -
				DEK 5	047356 -
				WS 12/5	160986 -
				WS 12/5	144746 -
				DEK 5	047346 -
				DEK 5	047356 -
				WS 12/5	160986 -
				WS 12/5	144746 -
				DEK 5	047346 -
				DEK 5	047356 -
				WS 12/5	160986 -
				WS 12/5	144746 -
For further accessories see section 3, further marking material see section 8					

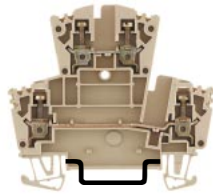
* With unprinted dekapix marking strips

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

** Twin connection

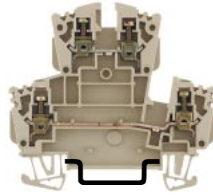
WDK 2.5
WDK 2.5/10/BEZ

400 V



26 A/2,5 mm ²
5/69/63
10 mm/M 2,5/3,5 x 0,6
400 V/24 A/2,5 mm ²
6 kV/3
0,4...0,7
1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4 A 3
32/-
32/-
300 V/20 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
102150 100
102158 100
102156 100
102560 10
102570 10
Type Cat. No. Qty.
WAP 105910 20
WAP 105918 20
WTW 105880 20
WQV 2.5/2 105366 50
WQV 2.5/3 105376 50
WQV 2.5/4 105386 50
WQV 2.5/10 105446 20
WQB A/24 157900 20
LS 2.8 105640 50
WAW 1 900450 -
TA 1 053586 20
AD 3 048540 -
HP 3 048576 20
WAD 4 107200 50
WT 4 134106 100
SF 10 033240 1000
SG 10 033250 1000
DEK 5 047346 -
DEK 5 047356 -
WS 8/5 164074 -
WS 8/5 158008 -

WDK 2.5
800 V



26 A/2,5 mm ²
6/69/63
10 mm/M 2,5/3,5 x 0,6
800 V/24 A/2,5 mm ²
8 kV/3
0,4...0,7
1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4 A 3
32/-
32/-
300 V/20 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
102910 100
Type Cat. No. Qty.
WAP 105910 20
WAP 105918 20
WTW 105880 20
Q 2 036900 50
Q 3 036910 50
Q 4 036920 50
Q 10 036930 20
LS 2.8 105640 50
WAW 1 900450 -
TA 1 053586 20
AD 3 048540 -
HP 3 048576 20
WAD 4 107200 50
WT 4 134106 100
SF 10 033240 1000
SG 10 033250 1000
DEK 5 047346 -
DEK 5 047356 -
WS 8/5 164074 -
WS 8/5 158008 -

WDK 2.5 V



24 A/2,5 mm ²
5/69/63
10 mm/M 2,5/3,5 x 0,6
400 V/24 A/2,5 mm ²
6 kV/3
0,4...0,7
1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4 A 3
32/-
32/-
300 V/20 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
102230 100
Type Cat. No. Qty.
WAP 105910 20
WTW 105880 20
WQV 2.5/2 105366 50
WQV 2.5/3 105376 50
WQV 2.5/4 105386 50
WQV 2.5/10 105446 20
WQB A/24 157900 20
LS 2.8 105640 50
WAW 1 900450 -
TA 1 053586 20
AD 3 048540 -
HP 3 048576 20
WAD 4 107200 50
WT 4 134106 100
SF 10 033240 1000
SG 10 033250 1000
DEK 5 047346 -
DEK 5 047356 -
WS 8/5 164074 -
WS 8/5 158008 -

WDK 2.5 DU-PE



24 A/2,5 mm ² /-/-
5/69/63
10 mm/M 2,5/3,5 x 0,6
400 V/-/24 A/-/2,5 mm ²
6 kV/3
0,4...0,7
1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4 A 3
32/-
32/-
300 V/20 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
103640 100
(Beige Wemid with divided current bar below)
Type Cat. No. Qty.
WAP 105910 20
WTW 105880 20
WQV 2.5/2 105366 50
WQV 2.5/3 105376 50
WQV 2.5/4 105386 50
WQV 2.5/10 105446 20
WQB A/24 157900 20
WAW 1 900450 -
TA 1 053586 20
AD 3 048540 -
HP 3 048576 20
WAD 4 107200 50
WT 4 134106 100
SF 10 033240 1000
SG 10 033250 1000
DEK 5 047346 -
DEK 5 047356 -
WS 8/5 164074 -
WS 8/5 158008 -

WDK 2.5 E
WDK 2.5 E GET.SCH.

Terminal blocks for electrical components



Terminal blocks with electrical components see section 3

-/2,5 mm ²
5/69/63
10 mm/M 2,5/3,5 x 0,6
-/2,5 mm ²
-/-
0,4...0,7
1
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4 A 3
-
-
300 V/20 A/22...12 AWG
-
Cat. No. Qty.
102320 100
102310 100
(Beige Wemid with divided current bar below)
Type Cat. No. Qty.
WAP 105910 20
WAP 105918 20
WTW 105880 20
Frame (5 mm) 107400 20
WQV 2.5/2 105366 50
WQV 2.5/3 105376 50
WQV 2.5/4 105386 50
WQV 2.5/10 105446 20
WQB A/24 157900 20
LS 2.8 105640 50
WAW 1 900450 -
TA 1 053586 20
AD 3 048540 -
HP 3 048576 20
WAD 4 107200 50
WT 4 134106 100
SF 10 033240 1000
SG 10 033250 1000
DEK 5 047346 -
DEK 5 047356 -
WS 8/5 164074 -
WS 8/5 158008 -

WDU 4
WDU 4/10/BEZ



46 A/6 mm ²
6/60/47
10 mm/M 3/3,5 x 0,6
800 V/32 A/4 mm ²
8 kV/3
0,5...1,0
2
0,5...6
1,5...6
0,5...6
0,5...4
0,5...4
0,13...6 A 4
46
46
600 V/35 A/22...10 AWG
600 V/35 A/26...10 AWG
Cat. No. Qty.
102010 100
102018 100
102090 10
102100 10
Type Cat. No. Qty.
WAP 2.5-10 105000 50
WAP 2.5-10 105008 50
WTW 2.5-10 105010 20
WTW 2.5-10 105018 20
WQV 4/2 105196 50
WQV 4/3 105456 50
WQV 4/4 105466 50
WQV 4/10 105206 20
LS 2.8 105640 50
WAW 1 900450 -
WTA 3 163235 50
WTA 3/ZA 163236 50
WTA 3/10 163237 5
ZE 1 163215 50
PS 2.3 (ø 2,3) 018040 20
StB 8.5 (ø 2,3) 028060 50
WAD 5 105346 50
WAD 5 white 105606 50
WGB 5 105076 50
T 5 034850 100
SF 10 033240 1000
SG 10 033250 1000
DEK 6 046866 -
DEK 6 047356 -
WS 12/6 160990 -
WS 12/6 144766 -

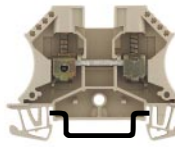
2

Feed-through terminal blocks

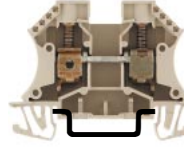
**WMA 4/5
WMA 4/4**



**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 A 4	A 5	B 6	B 7
Continuous current rating	WQV/ZQV	2-pole A 46	63	85	76
of cross-connection	WQV/ZQV	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.
		Wemid		50	103610
		Blue Wemid		50	103618
		Terminal block printed 1-9 Wemid		10	
		Terminal block unprinted* Wemid		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
		WAP (thickness 1.5 mm) Wemid	WAP 2.5-10	105000	50
		Blue Wemid	WAP 2.5-10	105008	50
		WTW	WTW 2.5-10	105010	20
		Blue Wemid	WTW 2.5-10	105018	20
Cross-connection					
		WQV	WQV 4/2	105196	50
		WQB 8/24	WQV 4/3	105456	50
			WQV 4/4	105466	50
			WQV 4/10	105206	20
		LS 2.8	LS 2.8	105640	50
		WAW 1	WAW 1	900450	-
Test adapter					
		WTA 3	WTA 3	163235	50
		WTA 3/ZA	WTA 3/ZA	163236	50
		WTA 3/10	WTA 3/10	163237	5
		ZE 1	ZE 1	163215	50
Test plug/socket					
		PS 2.3	PS 2.3 (ø 2,3)	018040	20
		StB 8.5	StB 8.5 (ø 2,3)	028060	50
		PS 4 (ø 4)	PS 4 (ø 4)	029960	20
		StB 14 (ø 4)	StB 14 (ø 4)	016990	50
Abdeckungen					
		WAD 5	WAD 5	105346	50
		WAD 5 white	WAD 5 white	105606	50
		WAD 8	WAD 8	105356	50
		WAD 8 white	WAD 8 white	105616	50
		WAD 12 N	WAD 12 N	107320	50
		WAD 12 N white	WAD 12 N white	107329	50
Group marking					
		T 5	T 5	034850	100
		SF 10	SF 10	033240	1000
		SG 10	SG 10	033250	1000
Marking tags					
		DEK	FW 6	046866	-
		WS	FS 6	047356	-
		WS DEK	WS 12/6	160990	-
		WS	WS 12/6	144766	-
		WS DEK	WS 12/6	156895	-
		WS	WS 12/6	156895	-
		WS DEK	WS 12/6	156895	-
		WS	WS 12/6	156895	-
For further accessories see section 3, further marking material see section 8					

* With unprinted dekafix marking strips

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	6...12
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

Ordering data	Version	Cat. No.	Qty.
Hexagon socket 6 mm	Wemid	102460	10
Hexagon socket 6 mm	Blue Wemid	102468	10
Hexagon socket 6 mm	Green Wemid	102465	10
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

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



Auxiliary / control conductor terminal pressure clamp***

WFL	WFL	WZAD 70	106600	10
		WFL 70/95	161633	10

Cover

	Yellow	WAD 27		
		with warning tag	106286	10
	White	WAD 27		
		without warning tag	106296	10

Test plug

	PS 4	029960	20
	fits into screw head of the connection system		

Fixing screw

	For direct assembly	M 6x16	106370	20
--	---------------------	--------	--------	----

Hexagon key

	Hex. key	040790	-
	6 mm to DIN 6911		

Screwdriver for direct assembly 1 x 5.5 x 125

	SD	902450	-
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Marking tags

Marking tags	Print	Cat. No.	Qty.
DEK	Consecutive horizontal	047346	-
DEK	Consecutive vertical	047356	-
WS	Blank	160992	-
WS DEK	Printed	156895	-

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 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

	Cat. No.	Qty.
	102460	10
	102468	10
	102465	10

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

Type	Cat. No.	Qty.
WZAD 70	106600	10
WFL 70/95	161633	10

Type	Cat. No.	Qty.
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		

	For direct assembly	M 6x16	106370	20
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	Hex. key	040790	-
6 mm to DIN 6911			

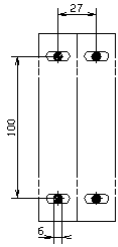
	SD	902450	-
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Marking tags	Print	Cat. No.	Qty.
DEK	Consecutive horizontal	047346	-
DEK	Consecutive vertical	047356	-
WS	Blank	160992	-
WS DEK	Printed	156895	-

	Hex. key	040790	-
6 mm to DIN 6911			
	SD	902450	-

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

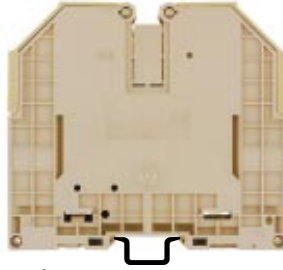
WDU 70/95/...



Drilling plan for direct mounting
250 A/95 mm²

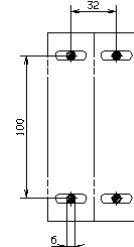
81/132/108 (triple block)*			
30 mm/M 8/S 6			
1000 V/232 A/95 mm ²			
8 kV/3			
6...12			
-			
16			
16...120**			
16...95**			
35...95**			
35...50			
3 x 9 x 0,8	6 x 9 x 0,8		
4 x 16 x 0,8	6 x 16 x 0,8		
16...120		B 12	
232			
(3) 232			
600 V/175 A/6...2/0 AWG			
600 V/205 A/6...2/0 AWG			
	Best-Nr.	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 mm ²			
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 mm ²	
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		Cat. No.	Qty.
		Wemid		102830	10
		Blue Wemid		102838	10
With covers		Wemid		102930	10
		Wemid			

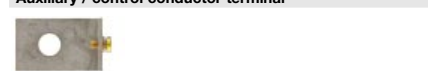
Partition (thickness 2 mm)



Cross-connection

WQL					

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				

Cupal washers

	For aluminium conductors				
--	--------------------------	--	--	--	--

Marking tags

	Print				
DEK	Consecutive horizontal	DEK 5	047346	-	
DEK	Consecutive vertical	DEK 5	047356	-	
WS	Blank	WS 12/6,5	160992	-	
WS	Printed	WS 12/6,5	156895	-	

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

168 A/50 mm²

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

Partition (thickness 2 mm)

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

Cross-connection

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

Auxiliary / control conductor terminal

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

Cover

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

Warning sign

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

Screwdriver / Fixing screw

M 6 x 16	106370	20
SD	902450	-

Cupal washers

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

Marking tags

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

250 A/95 mm²

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

Cross-connection

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

Auxiliary / control conductor terminal

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

Cover

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

Warning sign

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

Screwdriver / Fixing screw

M 6x16	106370	20
SD	902450	-

Cupal washers

CPSB M 8	015630	50
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Marking tags

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.


WFF 120



335 A/150 mm ²		
42/132/72		
42/230/81		
10		
1000 V/269 A/120 mm ²		
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 mm ²		
55/163/78		
55/287/91		
12		
1000 V/353 A/185 mm ²		
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 mm ²		
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



WDK 2.5 DU-PE**





WPE 4





WPE 6



5/69/63
10 mm/M 2,5/3,5 x 0,6
- V/- A/2,5 mm 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 -

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 -

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 -

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 -

2

WPE 35



WPE 70N





WPE 70/95





WPE 120



16/60/63
18 mm/M 6/5,5 x 1,0
- V/125 A/35 mm 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 -

20,5/75/86
22 mm/M 8/8 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 -

27/132/108
30 mm/M 8/8 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 -

32/132/118
35 mm/M 10/8 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

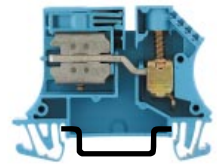
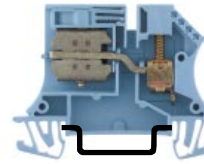
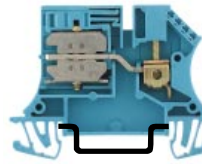
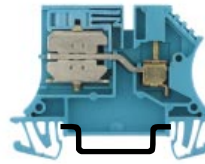
Isolating neutral terminal blocks

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

For 10x3 busbars Version
 For 10x3 busbars Blue Wemid
 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 Nm
 1

0,5...4 mm²
 1,5...4 mm²
 0,5...4 mm²
 0,5...2,5 mm²
 0,5...(2,5¹) mm²
 0,13...4 A 3

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

Cat. No. Qty.
101068 100
101060 100

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 Nm
 2

0,5...6 mm²
 1,5...6 mm²
 0,5...6 mm²
 0,5...4 mm²
 0,5...4 mm²
 0,13...6 A 4

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

Cat. No. Qty.
101078 100
101070 100

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 Nm
 3

0,5...10 mm²
 1,5...10 mm²
 0,5...10 mm²
 0,5...6 mm²
 0,5...6 mm²
 0,5...10 A 5

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

Cat. No. Qty.
101088 50
101080 50

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 Nm
 4

1,5...16 mm²
 1,5...16 mm²
 1,5...16 mm²
 1,5...16 mm²
 1,5...16 mm²
 1,31...16 A 6

600 V/60 A/16...8 AWG
 600 V/65 A/16...6 AWG

Cat. No. Qty.
101098 50
101090 50

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

Busbar 10 x 3

Topface busbar till topface TS 35 = 25.5 mm



Cu 140 A
 Ms 100 A

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

Type Cat. No. Qty.
 WHP 2.5-10 **105028** 20
 WHP 2.5-10 **105020** 20

Type Cat. No. Qty.
 WHP 2.5-10 **105028** 20
 WHP 2.5-10 **105020** 20

Type Cat. No. Qty.
 WHP 2.5-10 **105028** 20
 WHP 2.5-10 **105020** 20

Type Cat. No. Qty.
 WHP 2.5-10 **105028** 20
 WHP 2.5-10 **105020** 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

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

DEK Consecutive horizontal
 DEK Consecutive vertical
 WS Blank
 WS DEK Printed



Print
 DEK 5 **047346** -
 DEK 5 **047356** -
 WS 12/5 **160986** -
 WS 12/5 **144746** -

Print
 DEK 6 **046866** -
 DEK 6 **046876** -
 WS 12/6 **160990** -
 WS 12/6 **144766** -

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

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

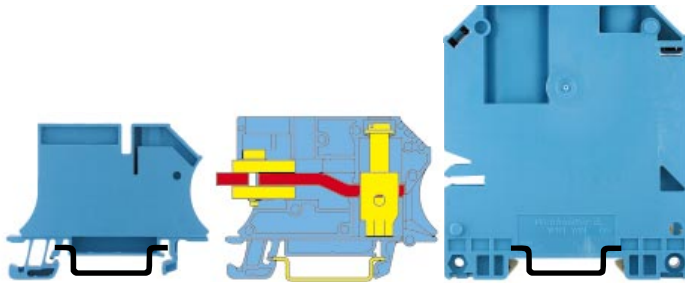
For further accessories see section 3, further marking material see section 8

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

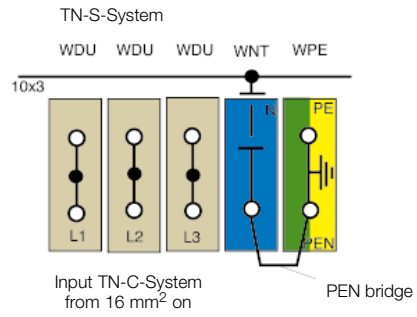
WNT 16 N

WNT 35 N

WNT 70 N



WNT 16 N		WNT 35 N		WNT 70 N	
- / -		- / -		207 A/95 mm ²	
12/60/47		16/66/51		20,5/75/86	
12 mm/M 4/5,5 x 1,0		18mm/M 6/5,5 x 1,0		22 mm/M 8/S 6 DIN 6911	
400 V/76 A/16 mm ²		400 V/125 A/35 mm ²		400 V/192 A/70 mm ²	
400 V/6 kV/3		400 V/6 kV/3		400 V/6 kV/3	
1,2...2,4		2,5...5		6,0...12	
4		-		-	
1,5...16		2,5...16		10...16	
1,5...25		2,5...50		10...95	
1,5...16		2,5...35		10...70	
1,5...16		2,5...35		10...70	
1,5...16		2,5...35		10...70	
1,5...25	B 7	2,5...35	B 9	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 Cu	034890 1 m	SSch 10 x 3 Cu	034890 1 m
SSch 10 x 3 Ms	025980 1 m	SSch 10 x 3 Ms	025980 1 m	SSch 10 x 3 Ms	025980 1 m
ZB 35 K	050268 20	ZB 35 K	050268 20	ZB 35 K	050268 20
ZB 35	026650 20	ZB 35	026650 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

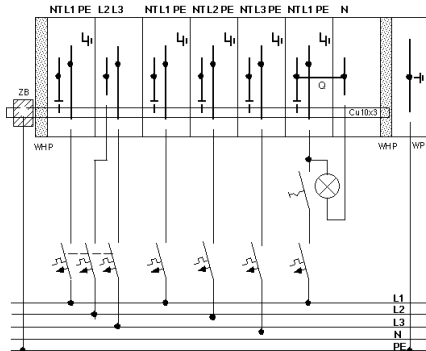
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. 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 Size
Continuous current rating of cross-connection Q multipole	A

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

End plate



Support plate	
for SSch 10 x 3	
Wemid blue	
Thickness 1,5 mm	
Distance WHP-WHP max. 200 mm	
Small partition for Q	

Cross-connection (L/N/NT)



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

Clamping yoke	
supply for 10 x 3 busbar	
16...50 mm ² stranded	
16...35 mm ² flexible	
Lehrdorn B9	

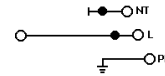
Neutral (N) disconnect terminals	
as supply terminals	
WNT 10	101098 50
WNT 16 N	101900 50
WNT 70 N	951221 10

End bracket	
WEW 35 / 2	106120 50

Marking tags	
Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical
DEK 6	046866 500
DEK 6	046876 500

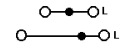
For further accessories see section 3, further marking material see section 8

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	
0,13...4	A 3
24	24
300 V/15 A/22...12 AWG	
300 V/10 A/26...12 AWG	
Cat. No. Qty.	
103060	50
(NT-Connection coded blue)	
Type	Cat. No. Qty.
WAP WDL 2.5/S	106770 20
Type	Cat. No. Qty.
WAP WDL 2.5/S	106770 20
for SSch 10 x 3	
Wemid blue	
Thickness 1,5 mm	
Distance WHP-WHP max. 200 mm	
Small partition for Q	
TSch 1	031916 100
Q 2	107150 50
Q 3	107160 50
Q 4	107170 50
Q 10	107180 20
Q 20	107420 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
Busbar 10 x 3	
Topface busbar till topface TS 35 = 25,5 mm	
Cu 140 A	SSch 10 x 3 Cu 034890 1 m
Ms 100 A	SSch 10 x 3 Ms 025980 1 m
Clamping yoke	
supply for 10 x 3 busbar	
16...50 mm ² stranded	
16...35 mm ² flexible	
Lehrdorn B9	
Neutral (N) disconnect terminals	
as supply terminals	
WNT 10	101098 50
WNT 16 N	101900 50
WNT 70 N	951221 10
End bracket	
WEW 35 / 2	106120 50
Marking tags	
Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical
DEK 6	046866 500
DEK 6	046876 500

WDL 2.5/S/L/L



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	
0,13...4	A 3
24	24
300 V/15 A/22...12 AWG	
300 V/10 A/26...12 AWG	
Cat. No. Qty.	
103120	50
Type	Cat. No. Qty.
WAP WDL 2.5/S	106770 20
Type	Cat. No. Qty.
WAP WDL 2.5/S	106770 20
for SSch 10 x 3	
Wemid blue	
Thickness 1,5 mm	
Distance WHP-WHP max. 200 mm	
Small partition for Q	
TSch 1	031916 100
Q 2	107150 50
Q 3	107160 50
Q 4	107170 50
Q 10	107180 20
Q 20	107420 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
Busbar 10 x 3	
Topface busbar till topface TS 35 = 25,5 mm	
Cu 140 A	SSch 10 x 3 Cu 034890 1 m
Ms 100 A	SSch 10 x 3 Ms 025980 1 m
Clamping yoke	
supply for 10 x 3 busbar	
16...50 mm ² stranded	
16...35 mm ² flexible	
Lehrdorn B9	
Neutral (N) disconnect terminals	
as supply terminals	
WNT 10	101098 50
WNT 16 N	101900 50
WNT 70 N	951221 10
End bracket	
WEW 35 / 2	106120 50
Marking tags	
Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical
DEK 6	046866 500
DEK 6	046876 500

WDL 2.5/S-Blöcke

for one three-phase circuit
for three AC circuits



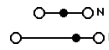
WDL 2.5/S/N



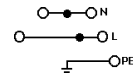
WDL 2.5/S/L



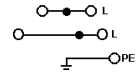
**WDL 2.5/S/
N/L**









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



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



32 A/4 mm ²	32 A/4 mm ²	32 A/4 mm ²	32 A/4 mm ²	32 A/4 mm ²	32 A/4 mm ²
12/18/84,5/48,7	6/84,5/48,7	6/84,5/48,7	6/84,5/48,7	6/84,5/48,7	6/84,5/48,7
8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6	8 mm/M 2,5/3,5 x 0,6
	IEC 947-1	IEC 947-1	IEC 947-1		
250V/400V/24 A/2,5 mm ²	400 V/24 A/2,5 mm ²	400 V/24 A/2,5 mm ²	400 V/24 A/2,5 mm ²	250V/400V/24 A/2,5 mm ²	250V/400V/24 A/2,5 mm ²
250V/400V/4 kV/3	400 V/6 kV/3	400 V/6 kV/3	400 V/6 kV/3	250V/400 V/4 kV/3	250V/400 V/4 kV/3
0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7
1	1	1	1	1	1
0,5...4	0,5...4	0,5...4	0,5...4	0,5...4	0,5...4
1,5...4	1,5...4	1,5...4	1,5...4	1,5...4	1,5...4
0,5...4	0,5...4	0,5...4	0,5...4	0,5...4	0,5...4
0,25...4	0,25...4	0,25...4	0,25...4	0,25...4	0,25...4
0,25...4	0,25...4	0,25...4	0,25...4	0,25...4	0,25...4
0,13...4	0,13...4	0,13...4	0,13...4	0,13...4	0,13...4
A 3	A 3	A 3	A 3	A 3	A 3
24	24	24	24	24	24
300 V/15 A/22...12 AWG	300 V/15 A/22...12 AWG	300 V/15 A/22...12 AWG	300 V/15 A/22...12 AWG	300 V/15 A/22...12 AWG	300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG
 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.
103410 25	103090 50	103130 50	103080 50	103070 50	103110 50
Block of each 103420 20	(NT-Connection coded blue)		(NT-Connection coded blue)	(NT-Connection coded blue)	
Block of three 103060					
Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
WAP WDL 2.5/S 106770 20	WAP WDL 2.5/S 106770 20	WAP WDL 2.5/S 106770 20	WAP WDL 2.5/S 106770 20	WAP WDL 2.5/S 106770 20	WAP WDL 2.5/S 106770 20
WHP WDL 2.5/S 106798 20					
TSch 1 031916 100	TSch 1 031916 100	TSch 1 031916 100	TSch 1 031916 100	TSch 1 031916 100	TSch 1 031916 100
Q 2 107150 50	Q 2 107150 50	Q 2 107150 50	Q 2 107150 50	Q 2 107150 50	Q 2 107150 50
Q 3 107160 50	Q 3 107160 50	Q 3 107160 50	Q 3 107160 50	Q 3 107160 50	Q 3 107160 50
Q 4 107170 50	Q 4 107170 50	Q 4 107170 50	Q 4 107170 50	Q 4 107170 50	Q 4 107170 50
Q 10 107180 20	Q 10 107180 20	Q 10 107180 20	Q 10 107180 20	Q 10 107180 20	Q 10 107180 20
Q 20 107420 20	Q 20 107420 20	Q 20 107420 20	Q 20 107420 20	Q 20 107420 20	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	WEW 35 / 2 106120 50	WEW 35 / 2 106120 50	WEW 35 / 2 106120 50	WEW 35 / 2 106120 50	WEW 35 / 2 106120 50
DEK 6 046866 500	DEK 6 046866 500	DEK 6 046866 500	DEK 6 046866 500	DEK 6 046866 500	DEK 6 046866 500
DEK 6 046876 500	DEK 6 046876 500	DEK 6 046876 500	DEK 6 046876 500	DEK 6 046876 500	DEK 6 046876 500

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

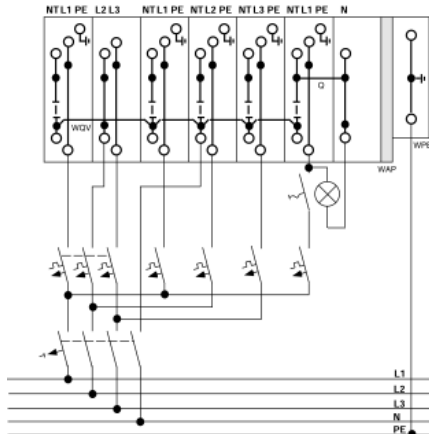
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections. 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	A
Continuous current rating of cross-connection Q multipole	A
Continuous current rating of cross-connection WQV 4 multipoleA	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)



Notching tool for WQV

End bracket

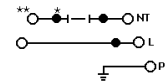
Marking tags

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

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 mm ²
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**
0,13...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

WAP WDL 2.5	106780	20
-------------	--------	----

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

Q 2	107150	50
Q 3	107160	50
Q 4	107170	50
Q 10	107180	20
Q 20	107420	20

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

WAW 1	900450	1
-------	--------	---

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

DEK 6	046866	500
DEK 6	046876	500
WS 8/5	164074	-
WS 8/5	158008	-

WDL 2.5/L/L



31 A/4 mm ²
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**
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

WAP WDL 2.5	106780	20
-------------	--------	----

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

Q 2	107150	50
Q 3	107160	50
Q 4	107170	50
Q 10	107180	20
Q 20	107420	20

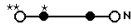
WQV 4/2	105196	50
WQV 4/3	105456	50
WQV 4/4	105466	50
WQV 4/10	105206	20

WAW 1	900450	1
-------	--------	---

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

DEK 6	046866	500
DEK 6	046876	500
WS 8/5	164074	-
WS 8/5	158008	-

WDL 2.5/N



32 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** mm²
400 V/6 kV/3

0,4...0,7
1

0,5...4/6**
1,5...4/6**
0,5...4/6**
0,5...4/4**
0,5...4/4**

A 3/A 4**

24
32

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

Cat. No. Qty.
103010 50
(NT-Connection coded blue)

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50
Q 3 **107160** 50
Q 4 **107170** 50
Q 10 **107180** 20
Q 20 **107420** 20

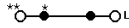
WQV 4/2 **105196** 50
WQV 4/3 **105456** 50
WQV 4/4 **105466** 50
WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

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

WDL 2.5/L



32 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** mm²
400 V/6 kV/3

0,4...0,7
1

0,5...4/6**
1,5...4/6**
0,5...4/6**
0,5...4/4**
0,5...4/4**

A 3/A 4**

24
32

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

Cat. No. Qty.
103040 50

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50
Q 3 **107160** 50
Q 4 **107170** 50
Q 10 **107180** 20
Q 20 **107420** 20

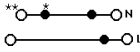
WQV 4/2 **105196** 50
WQV 4/3 **105456** 50
WQV 4/4 **105466** 50
WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

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

WDL 2.5/N/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** mm²
400 V/6 kV/3

0,4...0,7
1

0,5...4/6**
1,5...4/6**
0,5...4/6**
0,5...4/4**
0,5...4/4**

A 3/A 4**

24
31

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

Cat. No. Qty.
103000 50
(NT-Connection coded blue)

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50
Q 3 **107160** 50
Q 4 **107170** 50
Q 10 **107180** 20
Q 20 **107420** 20

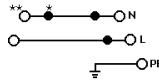
WQV 4/2 **105196** 50
WQV 4/3 **105456** 50
WQV 4/4 **105466** 50
WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

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

WDL 2.5/N/L/PE



31 A/4 mm²
6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6

250V/400V/24 A/2,5/4** mm²
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**

A 3/A 4**

24
31 (Center supply 40A)

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

Cat. No. Qty.
102990 50
(NT-Connection coded blue)

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50
Q 3 **107160** 50
Q 4 **107170** 50
Q 10 **107180** 20
Q 20 **107420** 20

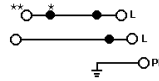
WQV 4/2 **105196** 50
WQV 4/3 **105456** 50
WQV 4/4 **105466** 50
WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

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

WDL 2.5/L/L/PE



31 A/4 mm²
6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6

250V/400V/24 A/2,5/4** mm²
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**

A 3/A 4**

24
31

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

Cat. No. Qty.
103020 50

Type Cat. No. Qty.

WAP WDL 2.5 **106780** 20

TSch 1 **031916** 100

Q 2 **107150** 50
Q 3 **107160** 50
Q 4 **107170** 50
Q 10 **107180** 20
Q 20 **107420** 20

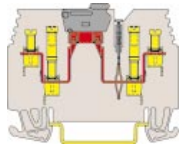
WQV 4/2 **105196** 50
WQV 4/3 **105456** 50
WQV 4/4 **105466** 50
WQV 4/10 **105206** 20

WAW 1 **900450** 1

WEW 35 / 2 **106120** 50

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

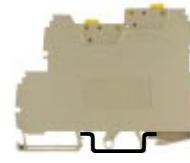
WTR 2.5/ZZ



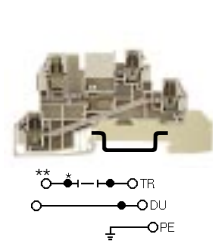
WDTR 2.5



WDTR 2.5/WE



WDL 2.5TR-DU-PE



WDL 2.5TR-DU



SAKC 4/35



14 A/1,5 mm ²
5/60/49
7 mm/M 3/3,5 x 0,6
400 V/14* A/2,5 mm ²
6 kV/3

10 A/1,5 mm ²
6,2/94/69
8 mm/M 3/3,5 x 0,6
400 V/13* A/2,5 mm ²
4 kV/3

10 A/1,5 mm ²
6,2/81/69
8 mm/M 3/3,5 x 0,6
400 V/10* A/2,5 mm ²
4 kV/3

29 A/4 mm ²
6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6
250V/400V/24 A/2,5/4** mm ²
250V/400 V/4 kV/3

31 A/4 mm ²
6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6
400 V/24 A/2,5/4** mm ²
400 V/6 kV/3

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...0,6
2

0,5...0,6
2

0,5...0,6
2

0,4...0,7
1

0,4...0,7
1

0,5...1,0/0,5 StB
2/1

0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5 ¹⁾
0,13...4
A 3

0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5
0,13...4
A 3

0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5
0,13...4
A 3

0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4
A 3

0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4
A 3

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

24

24

24

20
40

20
40

10
10

300 V/10 A/22...12 AWG***
300 V/10 A/26...12 AWG***
Cat. No. Qty.

300 V/10 A/22...12 AWG***
300 V/10 A/26...12 AWG***
Cat. No. Qty.

300 V/10 A/22...12 AWG***
300 V/10 A/26...12 AWG***
Cat. No. Qty.

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
102981 50

300 V/15 A/22...12 AWG
300 V/10 A/26...12 AWG
Cat. No. Qty.
102982 50

300 V/-/22...12 AWG
300 V/25 A/22...10 AWG
Cat. No. Qty.

2 StB 2.3**
103990 100

2 StB 2.3**
952807 25

2 StB 2.3**
952809 25

2 StB 2.3**
952810 25

2 StB 2.3**
103998 100

KrG
035756 50
KrG 2StB 2,3
035766 50

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

Type	Cat. No.	Qty.
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WAP WTR2.5/ZZ	107460	20
WAP WTR2.5/ZZ	107468	20

WAP WDL 2.5	106780	20
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WAP WDL 2.5	106780	20
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AP	017760	20
TW(1,5)	013016	20
TW(1,0)	029710	20

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
PS 2.3 (ø 2,3)	018040	20

VQB 1.5/50 BL	163328	5
VQB 1.5/50 RT	163329	5
VQB 1.5/50 SW	163512	5
PS 2.3 (ø 2,3)	018040	20

VQB 1.5/50 BL	163328	5
VQB 1.5/50 RT	163329	5
VQB 1.5/50 SW	163512	5
PS 2.3 (ø 2,3)	018040	20

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

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

QB 2	048270	100
QB 3	048280	50
QB 4	048290	50
Q 25 Blank	013400	20
PS 2.3 (ø 2,3)	018040	20

SDIK für StB	902493	
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SDIK für StB	902493	
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SDIK für StB	902493	
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WSD 2.5	105846	25
WSD 2.5	105856	25
WSD 2.5	105866	25
WSD 2.5	105876	25

WSD 2.5	105846	25
WSD 2.5	105856	25
WSD 2.5	105866	25
WSD 2.5	105876	25

WSD 2.5	105846	25
WSD 2.5	105856	25
WSD 2.5	105866	25
WSD 2.5	105876	25

DEK 6	046866	500
DEK 6	046876	500
WS 8/5	164074	-
WS 8/5	158008	-

DEK 6	046866	500
DEK 6	046876	500
WS 8/5	164074	-
WS 8/5	158008	-

DEK 6,5	046816	-
DEK 6,5	046826	-

*** applied for

Disconnect test terminal blocks

WDT 1.5/1

with space saving TOP-connection

WDT 1.5/2

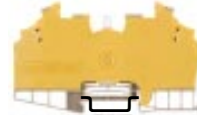
with space saving TOP-connection

WDT 1.5/3

with space saving TOP-connection



for further technical Informationen see Page 2/25



for further technical Informationen see Page 2/25



for further technical Informationen see Page 2/25

Max. Technical Data

Dimensions					
Width/length/height (mm)	mit TS 35 x 7,5	6,5/112/67	6,5/112/67	6,5/112/67	
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	
Rated data					
Rated voltage/rated current/rated cross-section		250 V/10 A/1,5 mm ²	250 V/10 A/1,5 mm ²	250 V/10 A/1,5 mm ²	
Rated impulse voltage VDE 0110/1.89 / pollution severity		4 kV/3	4 kV/3	4 kV/3	
Further technical data					
Tightening torque range	Nm	0,4...0,8	0,4...0,8	0,4...0,8	
Torque setting with DMS2 electric screwdriver		1	1	1	
Clampable conductor					
solid H07V-U	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	
stranded H07V-R	mm ²	1,5...2,5	1,5...2,5	1,5...2,5	
flexible H07V-K	mm ²	0,5...1,5	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	0,5...1,5	
flexible H07V-K and AEH with plastic insul. collar	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size	0,13...2,5 A 2	0,13...2,5 A 2	0,13...2,5 A 2	
Continuous current rating of cross-connection 2-pole		A			
Continuous current rating of cross-connection multipole		A			
UL / CSA rated data					
Voltage / current / conductor size		UL 150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	
Voltage / current / conductor size		CSA 150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	150 V/10 A/26...14 AWG	
Ordering data		Version			
		Wemid			
		Wemid			
		Blue Wemid			
		Blue Wemid			
		Wemid			
		Dark beige/yellow Wemid	101580 25	101590 25	101600 25
		Beige/yellow PA	101586 25	101556 25	101576 25
		Blue/hellblau PA			101616 25
		Orange PA			

Test plug		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	PS	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20

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

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

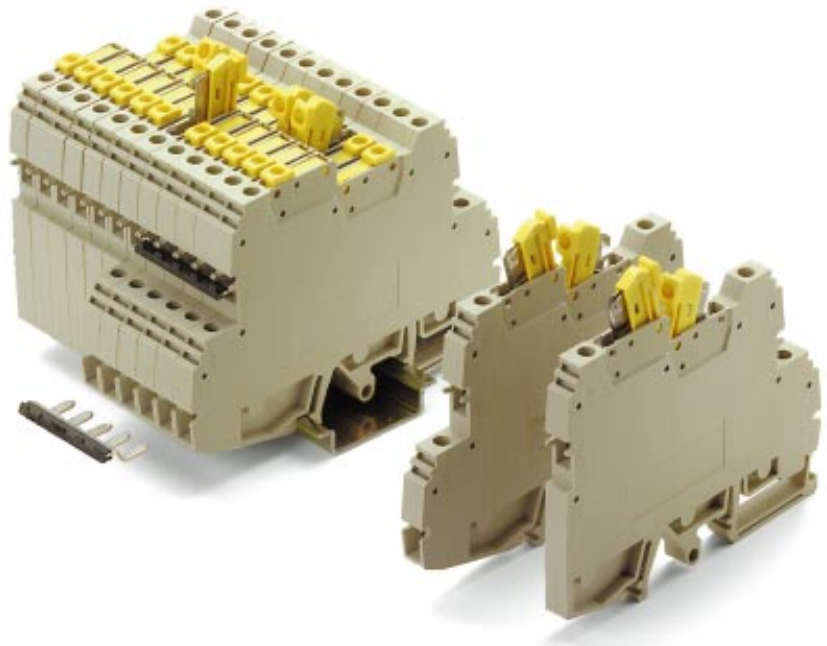
1) Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310

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

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

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

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



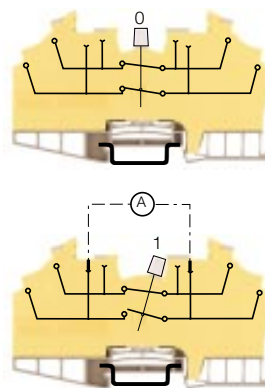
Switching examples
WDT 1.5/...
Disconnect test terminals
W series

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

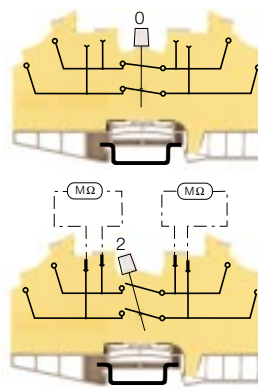
- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks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

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

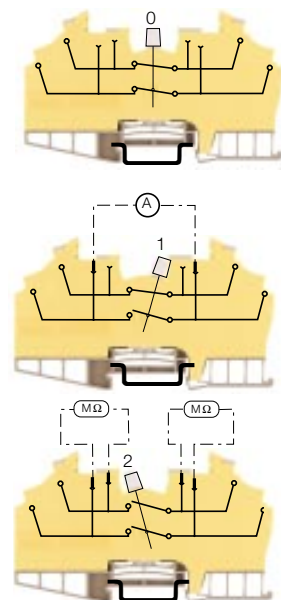
WDT 1.5/1
with space-saving TOP connection



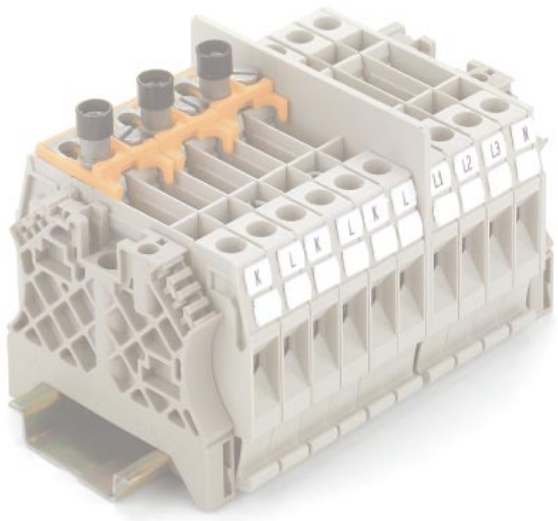
WDT 1.5/2
with space-saving TOP connection



WDT 1.5/3
with space-saving TOP connection



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

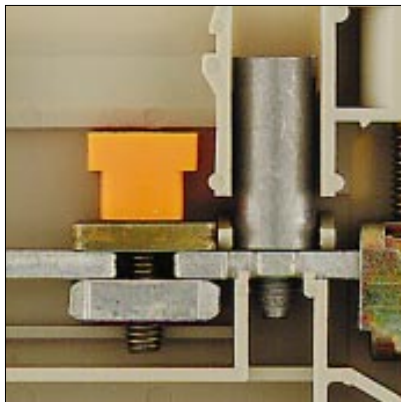


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

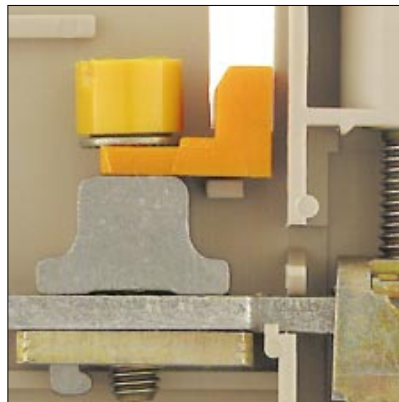
Various easy and cost-effective wiring solutions

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

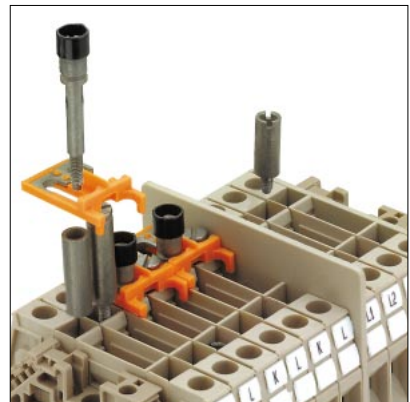
Examples: simple current transformer circuits, transformer test sets, etc.



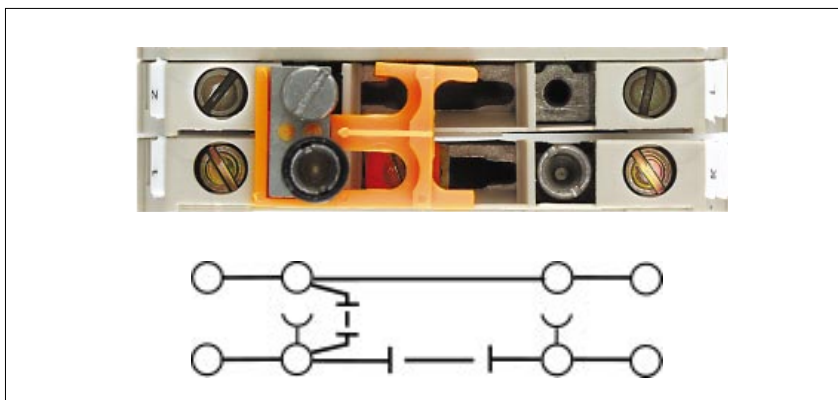
Slide link that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

The New Generation of Current Transformer Terminals

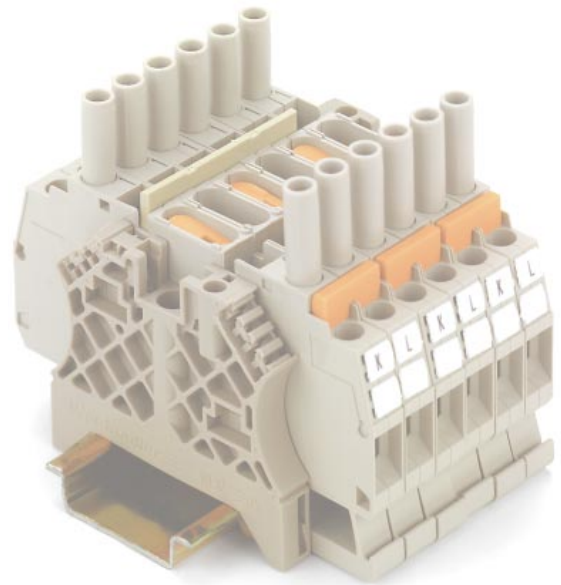
WTL 6/2

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.

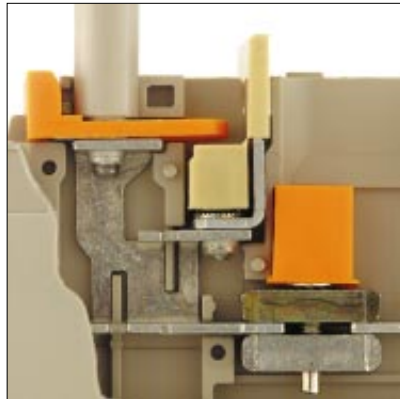
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety tests plugs can be used.



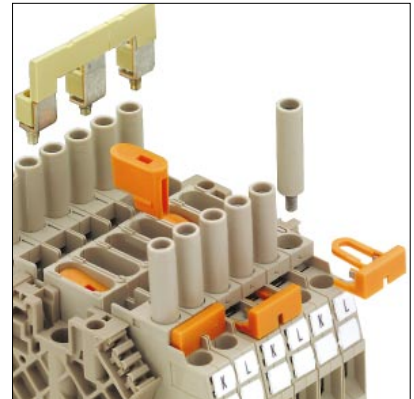
2



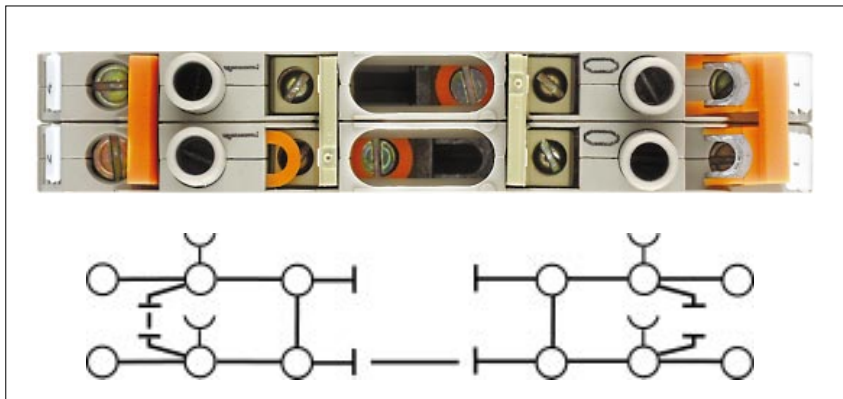
Testing points that are protected against finger-touch to VBG 4



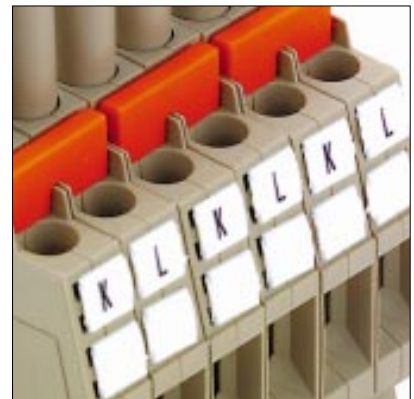
Compact construction: Slide link, cross-connection, cross-connection slider



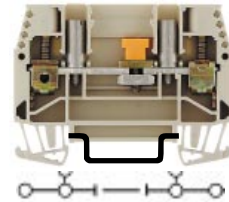
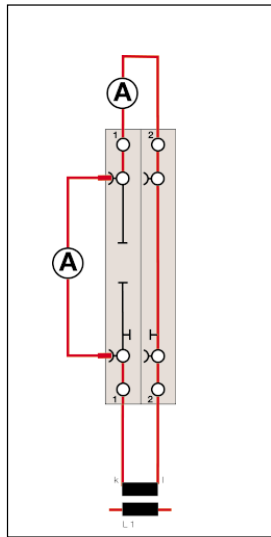
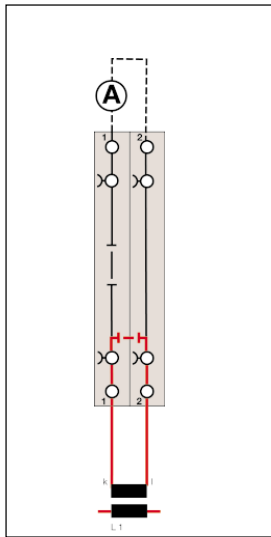
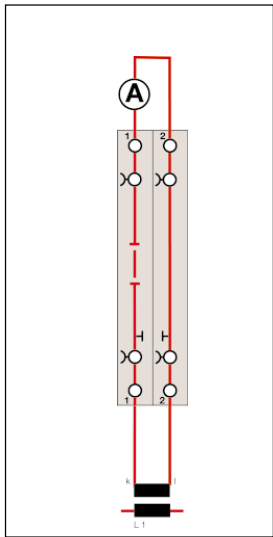
Optimised accessories for all circuit variants



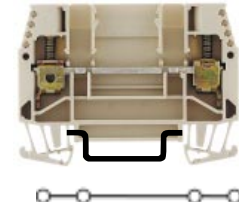
2 cross-connections sliders and 2 cross-connections per terminal



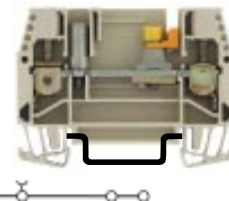
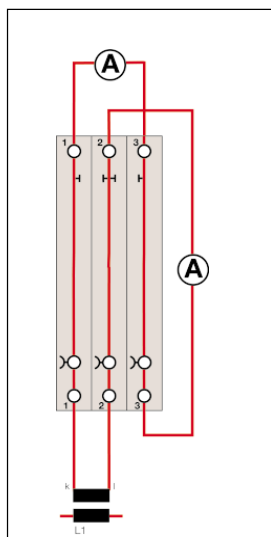
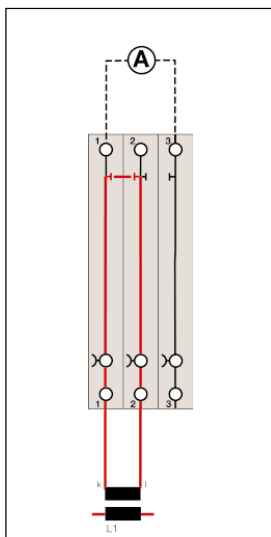
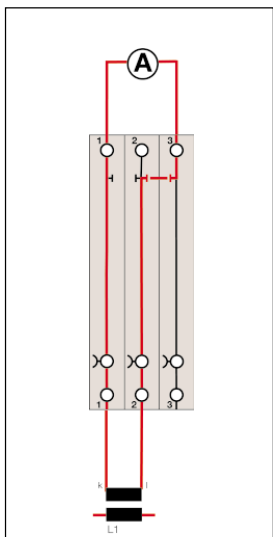
2 DEK-labels per connection point



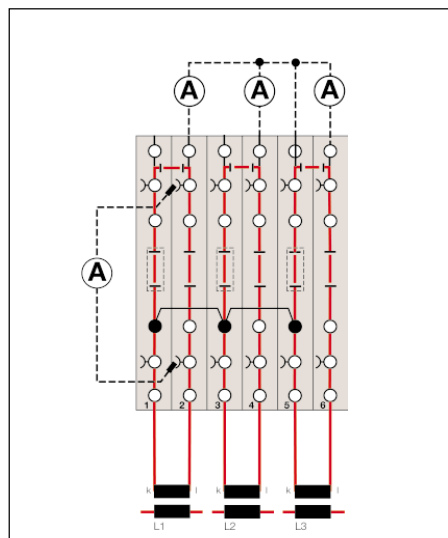
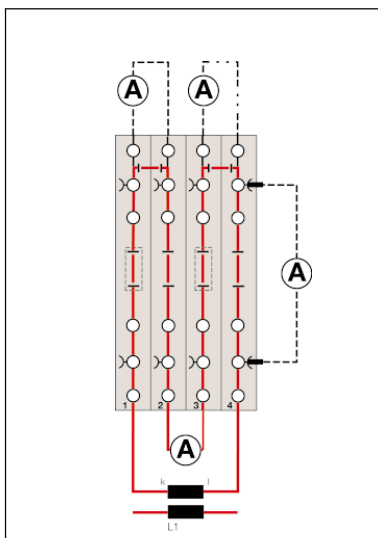
WTL 6/1/STB



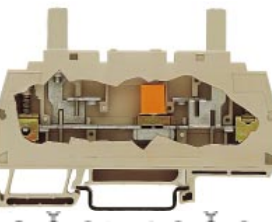
WTD 6/1



WTQ 6/1



WTL 6/2



WTL 6/3/STB

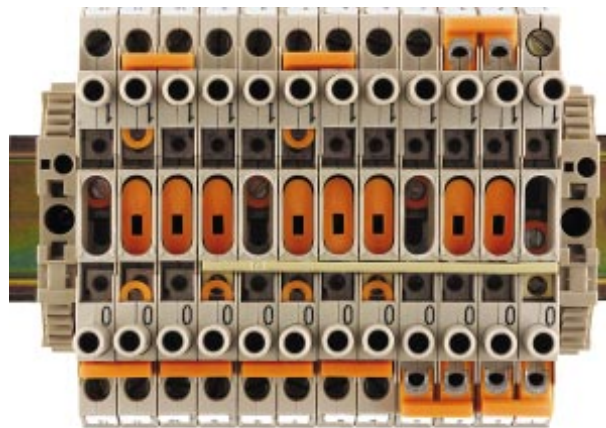
**Three-phase
Current Transformer Circuit
with WTL 6/3/STB**



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

Requirement

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



Solution

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

L1 Residual Current Measurement

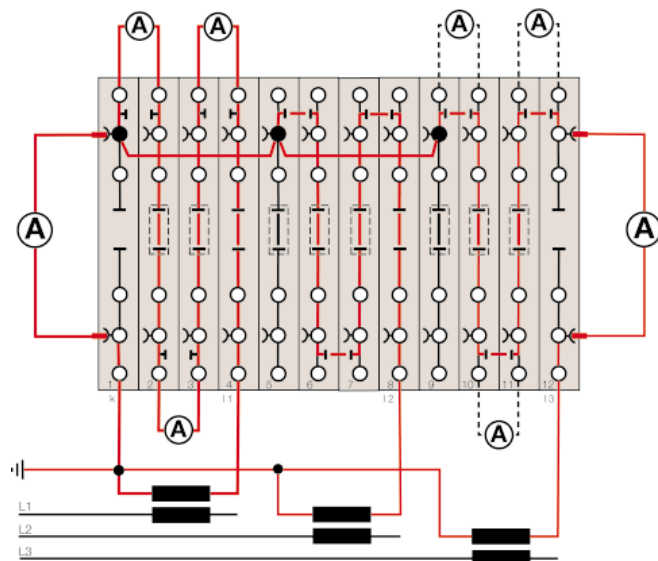
Ammeter hard-wired =>
Cross-connection slider opened
Control ammeter connected =>
Slide linck opened

L2 Transformer Short-Circuit

Cross-connection slider closed =>
Ammeter disconnected

L-3 Control Measurement by External Ammeter

Control ammeter connected =>
Slide linck 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

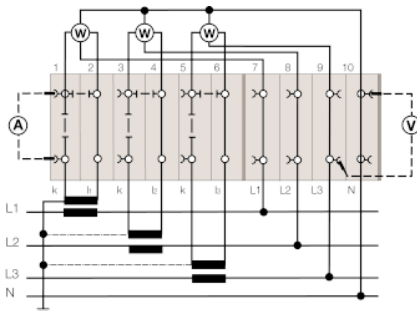
Measurement transformer test sets.

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	0,8...1,6/0,4...0,8*
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 A 5
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	

Thickness 1,5 mm	
------------------	--



Small partition



Cross-connections

QL 2	2-pole	QL 2	019430	50
QL 3	3-pole	QL 3	019440	50
QL 4	4-pole	QL 4	019450	50
	10-pole	QL 10	033830	20
QVS		BS M 3x20 Cu	037710	100
WKS		VH 12	024900	100
WKB		QVS 2	030730	20
QVS K2		QVSK 2	167036	20
		QVS 3	032930	20
		QVS 4	030740	20
		BS 25 blank	033470	100
		VH 19	031800	100

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

SSP 3	053176	100
-------	--------	-----

Test plug

PS 4	029960	20
------	--------	----

Marking tags

DEK 8	127696	-	Consecutive horizontal
DEK 8	128966	-	Consecutive vertical
WS 12/6,5	160992	-	Blank
WS DEK	156895	-	Printed

WTL 6/1/STB



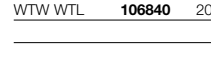
57 A/10 mm ²
8/65/48,2
12 mm/M 3,5/3*/4,0 x 0,8
500 V**/41 A/6 mm ²
6 kV/3

0,8...1,6/0,4...0,8*
3
0,5...10
1,5...10
0,5...10
0,5...6
0,5...6
0,5...10
(QL 2...5) 47
(QL 6...10) 36

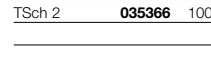
600 V/45 A/20...8 AWG
300 V/45 A/20...8 AWG

With Socket	Wemid	
Without Socket	Wemid	

Thickness 1,5 mm	
------------------	--



Small partition



Cross-connections

QL 2	2-pole	QL 2	019430	50
QL 3	3-pole	QL 3	019440	50
QL 4	4-pole	QL 4	019450	50
	10-pole	QL 10	033830	20
QVS		BS M 3x20 Cu	037710	100
WKS		VH 12	024900	100
WKB		QVS 2	030730	20
QVS K2		QVSK 2	167036	20
		QVS 3	032930	20
		QVS 4	030740	20
		BS 25 blank	033470	100
		VH 19	031800	100

Socket

StB 25 GE	026720	50
StB 25 GN	027120	50
StB 25 VI	027130	50
StB 35 GE	038900	50
StB 35 GN	038890	50
StB 35 VI	038910	50
StB 14	016990	50

SSP 3	053176	100
-------	--------	-----

PS 4	029960	20
------	--------	----

DEK 8	127696	-	Consecutive horizontal
DEK 8	128966	-	Consecutive vertical
WS 12/6,5	160992	-	Blank
WS 12/6,5	156895	-	Printed

WTD 6/1



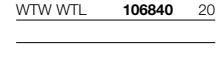
57 A/10 mm ²
8/65/48,2
12 mm/M 3,5/3*/4,0 x 0,8
400 V/41 A/6 mm ²
6 kV/3

0,8...1,6/0,4...0,8*
3
0,5...10
1,5...10
0,5...10
0,5...6
0,5...6
0,5...10
(QL 2...5) 47
(QL 6...10) 36

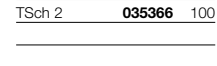
600 V/45 A/20...8 AWG
300 V/45 A/20...8 AWG

With Socket	Wemid	
Without Socket	Wemid	

Thickness 1,5 mm	
------------------	--



Small partition



Cross-connections

QL 2	2-pole	QL 2	019430	50
QL 3	3-pole	QL 3	019440	50
QL 4	4-pole	QL 4	019450	50
	10-pole	QL 10	033830	20
QVS		BS M 3x20 Cu	037710	100
WKS		VH 12	024900	100
WKB		QVS 2	030730	20
QVS K2		QVSK 2	167036	20
		QVS 3	032930	20
		QVS 4	030740	20
		BS 25 blank	033470	100
		VH 19	031800	100

Socket

StB 25 GE	026720	50
StB 25 GN	027120	50
StB 25 VI	027130	50
StB 35 GE	038900	50
StB 35 GN	038890	50
StB 35 VI	038910	50
StB 14	016990	50

SSP 3	053176	100
-------	--------	-----

PS 4	029960	20
------	--------	----

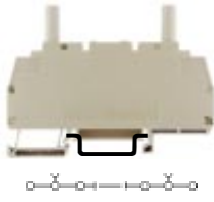
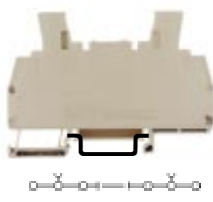
DEK 8	127696	-	Consecutive horizontal
DEK 8	128966	-	Consecutive vertical
WS 12/6,5	160992	-	Blank
WS 12/6,5	156895	-	Printed


* Disconnect element ** 400 V as disconnect terminal block


WTQ 6/1


WTL 6/2

WTL 6/3/STB



57 A/10 mm ²	
8/65/48,2	
12 mm/M 3,5/3*/4,0 x 0,8	
400 V/41 A/6 mm ²	
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	
300V/45 A/20...8 AWG	
 Cat. No. Qty.	
101810 50	
101790 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	
WKB 1/2 160428 50	
WKB 1/3 160430 50	
WKB 1/4 160432 50	
WKB 1/10 160433 20	
StB 14 016990 50	
SSP 3 053176 100	
PS 4 029960 20	
DEK 8 127696 -	
DEK 8 128966 -	
WS 12/6,5 160992 -	
WS 12/6,5 156895 -	

57 A/10 mm ²	
8/87/61,8	
-M 3,5/3*/4,0 x 0,8	
400 V/41 A/6 mm ²	
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
63	
63	
600 V/45 A/20...8 AWG	
300V/45 A/20...8 AWG	
 Cat. No. Qty.	
101770 50	
Type Cat. No. Qty.	
WKS 1/2 160427 50	
WKS 1/3 160429 50	
WKS 1/4 160431 50	
WQV 6/2 105236 50	
WQV 6/3 105476 50	
WQV 6/4 105486 50	
WQV 6/10 105226 20	
SSP WTL 6/2 160420 100	
PS 4 029960 20	
DEK 8 127696 -	
DEK 8 128966 -	
WS 12/6,5 160992 -	
WS 12/6,5 156895 -	

57 A/10 mm ²	
8/87/61,8	
-M 3,5/3*/4,0 x 0,8	
400 V/41 A/6 mm ²	
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
63	
63	
600 V/45 A/20...8 AWG	
-	
 Cat. No. Qty.	
101860 50	
101880 50	
Type Cat. No. Qty.	
StB 21.6/IH/VI 107103 50	
StB 21.6/IH/GN 107102 50	
StB 21.6/IH/GE 107101 50	
StB 21.6/IH/BE 107100 50	
Safety plug supplier: Multi-Contact Deutschland GmbH, Postf. 1606, 79551 Weil a. Rhein	
SSP WTL 6/2 160420 100	
PS 4 029960 20	
DEK 8 127696 -	
DEK 8 128966 -	
WS 12/6,5 160992 -	
WS 12/6,5 156895 -	

* Disconnect element

Fuse terminal blocks

Note:
With blown fuse the follow on circuit is still under current.
Disconnect lever to open circuit

Max. Technical Data

Dimensions

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

Insulation stripping length/clamping screw/screwdriver blade

Rated data Reihenklammenunterteil

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 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

Wemid

Wemid

Wemid

Partition/End plate



Cross-connection



G fuse cartridges 5x25 mm with indicator²⁾

to DIN 41 576 Rated current (A): 0,2 med.blow

Rated voltage 250 V AC 0,5 med.blow

 0,8 med.blow

 1 med.blow

 10 med.blow

 2 rapid blow

 4 rapid blow

 6,3 rapid blow

G fuse cartridges 5x20 mm³⁾

to DIN 41660 IEC 127 type 1 Rated current (A):

Rated voltage 250 V AC 0.20 rapid blow

Switching capacity 1500 A 0.25 rapid blow

(at 250 V, 50 Hz, cos φ = 0.7) 0.50rapid blow

 1.0 rapid blow

 1.6 rapid blow

 2.0 rapid blow

 2.5 rapid blow

G fuse cartridges 5x30 mm 3.15 rapid blow

(500 V AC/0.032...6.3 A), 4.0 rapid blow

Available from Wickmann-Werke GmbH, 5.0 rapid blow

Annenstr. 113, 58453 Witten, Tel. +2302/6620 6.3 rapid blow

Marking tags

DEK

DEK

WS

WS DEK WS

Print

Consecutive horizontal

Consecutive vertical

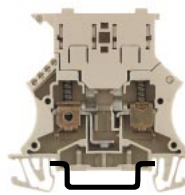
Blank

Printed

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

WSI 6

for metric fuses



6,3 A/-

8/60/60

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

500 V/6,3 A²⁾/6 mm²

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

300 V/10 A/20...8 AWG

300 V/10 A/20...8 AWG

Cat. No. Qty.

101100 50

12 V- /24 V- **101130** 50

20-30 V-/40-60 V- **101220** 50

40-60 V-/80-120 V- **101230** 50

115 V-/230 V- **101240** 50

Dis. term. w/contact sleeve **102820** 50

Type Cat. No. Qty.

WAP **105000** 50

WTW 2.5-10 **105010** 20

Install partition after last WSI 6

QL 2 **019430** 50

QL 3 **019440** 50

QL 4 **019450** 50

QL 10 **033830** 20

BS-M 3x5 **105210** 100

PS 2.3 **018040** 20

WAW 2 **900451** -

054690 10

051030 10

064640 10

026580 10

019310 10

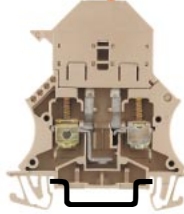
019270 10

019280 10

019290 10

WSI 6 LD

with LED indicator for metric fuses for DC or AC voltage (see note in first column of page 2/32)



6,3 A/-

8/60/70

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

500 V/6,3 A²⁾/6 mm²

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

300 V/10 A/20...8 AWG

300 V/10 A/20...8 AWG

Cat. No. Qty.

12 V- /24 V- **101130** 50

20-30 V-/40-60 V- **101220** 50

40-60 V-/80-120 V- **101230** 50

115 V-/230 V- **101240** 50

Dis. term. w/contact sleeve **102820** 50

Type Cat. No. Qty.

WAP **105000** 50

WTW 2.5-10 **105010** 20

Install partition after last WSI 6

QL 2 **019430** 50

QL 3 **019440** 50

QL 4 **019450** 50

QL 10 **033830** 20

BS-M 3x5 **105210** 100

PS 2.3 **018040** 20

WAW 2 **900451** -

054690 10

051030 10

064640 10

026580 10

019310 10

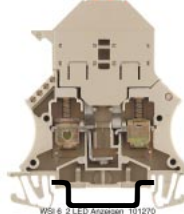
019270 10

019280 10

019290 10

WSI 6 2 LD

with 2 LED's for metric fuses for DC voltage (see note in first column of page 2/32)



6,3 A/-

8/60/70

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

500 V/6,3 A²⁾/6 mm²

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

300 V/10 A/20...8 AWG

24 V/10 A/20...8 AWG

Cat. No. Qty.

24 V- **101270** 50

48 V- **805575** 50

60 V- **813395** 50

Dis. term. w/contact sleeve **102820** 50

Type Cat. No. Qty.

WAP **105000** 50

WTW 2.5-10 **105010** 20

Install partition after last WSI 6

QL 2 **019430** 50

QL 3 **019440** 50

QL 4 **019450** 50

QL 10 **033830** 20

BS-M 3x5 **105210** 100

PS 2.3 **018040** 20

WAW 2 **900451** -

054690 10

051030 10

064640 10

026580 10

019310 10

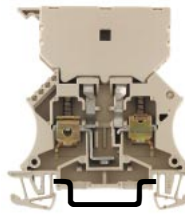
019270 10

019280 10

019290 10

WSI 6/2¹⁾

for inch fuses



10 A/-

12/60/67

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

500 V/6,3 A²⁾/6 mm²

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

600 V/16 A/20...8 AWG

Cat. No. Qty.

101400 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** -

047070 50

047080 50

047090 50

047100 20

105210 100

018040 20

900451 -

Fuse cartridges

1/4"x1 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

G fuses

1/4"x1"(6.3 x 25)

(250 V 0.05...6.3 A)

Available from Messrs ELU

Inselstraße 18

D-44143 Dortmund

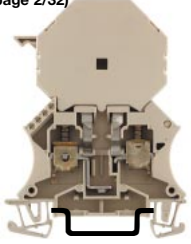
+231 - 528138

¹⁾ Rated thermal current to VDE 0611 = 6.3 A when used as a short-circuit fuse up to 15 A..

²⁾ Maximum power loss 1.6 W

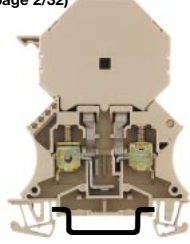
³⁾ Note power loss of fuse cartridge up to 1.6 Watt

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	
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	
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	B 6
(QL 2...5) 47	
(QL 6...10) 36	
600 V/30 A/22...8 AWG	
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	B 6
(QL 2...5) 47	
(QL 6...10) 36	
600 V/25 A/22...8 AWG	
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

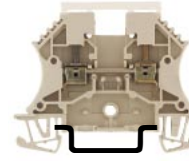


28/80/66	
13 mm/M 4/5,5 x 1	
400 V~/ ⁴⁾ 63 A/16 mm ²	
6 kV/3	
1,2...2,4	
4	
1,5...16	
1,5...16	
1,5...16	
1,5...16	
1,5...16	
1,5...16	B 7
(QL 2...5) 47	
(QL 6...10) 36	
600 V/63 A/14...6 AWG	
Wemid beige KrG	050210 20
Neozed D 02	
Type	Cat. No. Qty.
QL 2	020780 20
QL 3	020790 20
QL 4	020800 20
QL 10	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

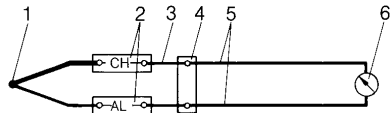
WDU 2.5/TC



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



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

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

Technical data

Thermocouples to IEC 584 (DIN 43710)

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

Max. Technical Data

Dimensions	
Width/length/height (mm)	mit TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	10 mm/M 2,5/3,5 x 0,6
Rated data	
Rated voltage/rated current/rated cross-section	-/-/2,5 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	1
Clampable conductor	
solid H07V-U	mm ² 0,5...2,5
stranded H07V-R	mm ² 1,5...2,5
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
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	300 V/20 A/22...12 AWG
Voltage / current / conductor size	CSA	-

Ordering data

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

End plate / partition

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

Marking tags

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

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

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

Cat. No.	Qty.
105000	50
105010	20

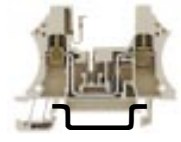
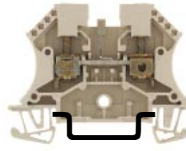
Feed-through terminals with WSA plug adaptor

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	

End plate

Type	Cat. No.	Qty.
WAP (Thickness 1,5 mm)	105000	50
	105008	50

Partition

Type	Cat. No.	Qty.
WTW (Thickness 1,5 mm)	105010	20
	105018	20

Cross-connection

Type	Cat. No.	Qty.
WQV Screen lug LS 2.8	105640	50

Plug adaptor WSA 2

Type	Cat. No.	Qty.
380 V~/10 A/1,5 mm ² Version with crimp connection	050236 ³⁾	20
	052976 ³⁾	20
	052965 ⁴⁾	20
	052956 ⁴⁾	20
	133396 ³⁾	20
	133386 ³⁾	20
	133405 ³⁾	20
	133376 ⁴⁾	20

Covers

Type	Cat. No.	Qty.
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 mm²

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

Marking tags

Type	Cat. No.	Qty.
DEK Consecutive horizontal	046866	-
DEK Consecutive vertical	046876	-
WS Blank	160990	-
WS DEK Printed	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

Max. Technical Data

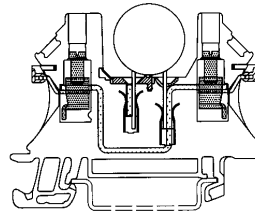
Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data IEC 947-7-1	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage VDE 0110/1.89 / pollution severity	
Further technical data	
Tightening torque range	Nm
Torque 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

Barrier

Type	Cat. No.	Qty.
Thickness 2,5 mm	107110	20

Busbar

Type	Cat. No.	Qty.
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

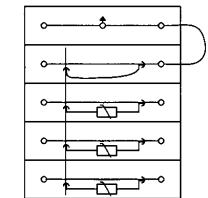
Type	Cat. No.	Qty.
DEK Consecutive horizontal	046866	-
DEK Consecutive vertical	047356	-
WS Blank	160990	-
WS DEK Printed	144766	-

32 A/4 mm²

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

Type	Cat. No.	Qty.
ZR	107110	20

Type	Cat. No.	Qty.
SSch 7.3x1.2	107120	1 m



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

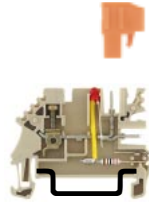
Feed-through terminal blocks for BLA/BLZ connectors



WDU 1.5/BLA



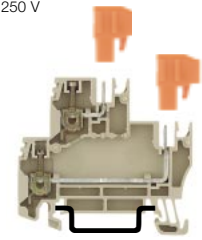
WDU 1.5/LD/BLA with red LED



WDU 1.5/R/BLA Negative return conductor in blue



WDK 2.5/BLA R 5.08 250 V



Max. Technical Data

Dimensions		WDU 1.5/BLA	WDU 1.5/LD/BLA	WDU 1.5/R/BLA	WDK 2.5/BLA R 5.08	
Width/length/height (mm)	With TS 35 x 7,5	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.	Cat. No. Qty.	Cat. No. Qty.	Cat. No. Qty.	
Standard		157726 100			103810 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**						
WAP (Thickness 2,5 mm)	Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.
	With pin	157732 50	With pin	157732 50	With pin	157732 50
	Without pin	157733 50	Without pin	157733 50	Without pin	157733 50
WBB orange (Thickness 5 mm)	With pin	106826 10	With pin	106826 10	With pin	106826 10
	Without pin	106816 10	Without pin	106816 10	Without pin	106816 10
						Cross-connection comb, insul.
						WQB A/2 157895 50
						WQB A/3 157896 50
						WQB A/4 157897 50
						WQB A/10 157899 20
Cross-connection						
WQV	WQV 2,5/2	105366 50	WQV 2,5/2	105366 50	WQV 2,5/2	105366 50
	WQV 2,5/3	106376 50	WQV 2,5/3	105376 50	WQV 2,5/3	105376 50
	WQV 2,5/4	105386 50	WQV 2,5/4	105386 50	WQV 2,5/4	105386 50
	WQV 2,5/10	105446 20	WQV 2,5/10	105446 20	WQV 2,5/10	105446 20
	Notching tool WAW 1 für WQV	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		
Cover for unassigned pins						
	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	
Socket strips						
	No. poles					
BLA 2...24	BLA 2...24 B	4	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	
	with lateral dovetail	8	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50	
	guide	4	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100	
		6	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	

For further Informations see Section Connectors, Page 5/92

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

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

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

* With BLA

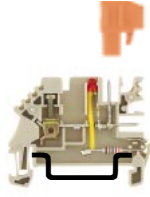
** Set for screwing the connector to the terminal strip

*** 20 °C ambient temperature

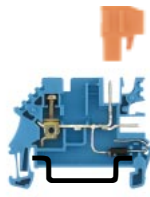
WDU 1.5/BLZ 5.08



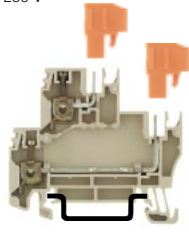
**WDU 1.5/BLZ/
LD/5.08**
with LED Red



**WDU 1.5/BLZ/
R 5.08**
Negative return conductor
in blue



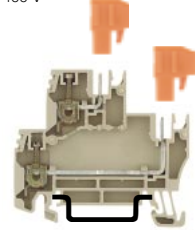
**WDK 2.5/BLZ
R 5.08**
250 V



**WDU 2.5/BLZ
R 7.62**
400 V



**WDK 2.5/BLZ
R 7.62**
400 V



WDU 1.5/BLZ 5.08		WDU 1.5/BLZ/LD/5.08		WDU 1.5/BLZ/R 5.08		WDK 2.5/BLZ R 5.08		WDU 2.5/BLZ R 7.62		WDK 2.5/BLZ R 7.62			
5.08/45,4/57,5*/45,0/55,5 10 mm/M 2,5/3,5 x 0,6		5.08/45,4/57,5*/45,0/55,5* 10 mm/M 2,5/3,5 x 0,6		5.08/45,4/57,5*/45,0/55,5* 10 mm/M 2,5/3,5 x 0,6		5.08/58/63/63,5* 12 mm/M 2,5/3,5 x 0,6		7.62/45,4/57,5*/45,0/55,5 10 mm/M 2,5/3,5 x 0,6		7.62/58/63/63,5* 12 mm/M 2,5/3,5 x 0,6			
250 V/10 (2x8) A/1,5 mm ² 4 kV/3		– V/10 (2x8) A/1,5 mm ²		– V/– A/1,5 mm ²		250 V/18 ² A/2,5 mm ² 4 kV/3		400 V/24(2x12) ² (2x8) A/1,5 mm ² 6 kV/3		400 V/20 ² A/2,5 mm ² 6 kV/3			
0,4...0,8 1		0,4...0,8 1		0,4...0,8 1		0,4...0,8 1		0,4...0,8 1		0,4...0,8 1			
0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 ¹⁾ 0,13...4 A 3/A 3 35 35		0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 ¹⁾ 0,13...4 A 3/A 3 35 35		0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 ¹⁾ 0,13...4 A 3/A 3 35 35		0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 ¹⁾ 0,13...4 A 3/A 3 – –		0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,13...4 A 3/A 3 35 35		0,5...4/4 1,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,5...2,5/2,5 0,13...4 A 3/A 3 – –			
300 V/20 (2 x 10) A/26...16 AWG 300 V/10 A/26...12 AWG		300 V/20 (2 x 10) A/26...16 AWG 12...110 V/10 A/26...12 AWG		300 V/20 (2 x 10) A/26...16 AWG –/–/26...12 AWG		300 V/10 A/26...12 AWG		–		–			
Cat. No. Qty. 157734 100 159690 100		Cat. No. Qty. 157735 100 157736 100 157737 100 157738 100		Cat. No. Qty. 157739 100		Cat. No. Qty. 103440 100		Cat. No. Qty. 103890 100		Cat. No. Qty. 103850 100			
Type Cat. No. Qty. With pin 157732 50 Without pin 157733 50 With pin 106826 10 Without pin 106816 10		Type Cat. No. Qty. With pin 157732 50 Without pin 157733 50 With pin 106826 10 Without pin 106816 10		Type Cat. No. Qty. With pin 157732 50 Without pin 157733 50 With pin 106826 10 Without pin 106816 10		Type Cat. No. Qty. With pin 107010 20 Without pin 107000 20 With pin 107276 10 Without pin 107266 10		Type Cat. No. Qty. With pin 107010 20 Without pin 107000 20 With pin 107276 10 Without pin 107266 10		Type Cat. No. Qty. With pin 157732 50 Without pin 157733 50 With pin 107360 10 Without pin 107350 10		Type Cat. No. Qty. With pin 107010 20 Without pin 107000 20 With pin 107296 10 Without pin 107286 10	
WQV 2.5/2 105366 50 WQV 2.5/3 106376 50 WQV 2.5/4 105386 50 WQV 2.5/10 105446 20		WQV 2.5/2 105366 50 WQV 2.5/3 105376 50 WQV 2.5/4 105386 50 WQV 2.5/10 105446 20		WQV 2.5/2 105366 50 WQV 2.5/3 105376 50 WQV 2.5/4 105386 50 WQV 2.5/10 105446 20		WQV 2.5/2 105366 50 WQV 2.5/3 105376 50 WQV 2.5/4 105386 50 WQV 2.5/10 105446 20		WQB A/2 157895 50 WQB A/3 157896 50 WQB A/4 157897 50 WQB A/10 157899 20		–		–	
WAW 1 900450 –		WAW 1 900450 –		WAW 1 900450 –		–		–		–			
–		ML-SSch 106320 3		ML-SSch 106320 3		–		–		–			
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		WAD 5/2 157740 20			
–		–		–		–		–		–			
BLZ-KO 154571 100		BLZ-KO 154571 100		BLZ-KO 154571 100		BLZ-KO 154571 100		BLZ-KO 154571 100		BLZ-KO 154571 100			
–		–		–		–		–		–			
BLZ 4 152666 100 BLZ 6 152686 50 BLZ 8 152706 50 BLZ 4 B 152896 100 BLZ 6 B 152916 50 BLZ 8 B 152936 50		BLZ 4 152666 100 BLZ 6 152686 50 BLZ 8 152706 50 BLZ 4 B 152896 100 BLZ 6 B 152916 50 BLZ 8 B 152936 50		BLZ 4 152666 100 BLZ 6 152686 50 BLZ 8 152706 50 BLZ 4 B 152896 100 BLZ 6 B 152916 50 BLZ 8 B 152936 50		BLZ 4 152666 100 BLZ 6 152686 50 BLZ 8 152706 50 BLZ 4 B 152896 100 BLZ 6 B 152916 50 BLZ 8 B 152936 50		BLZ 4 152666 100 BLZ 6 152686 50 BLZ 8 152706 50 BLZ 4 B 152896 100 BLZ 6 B 152916 50 BLZ 8 B 152936 50		BLZ 4 162307 100 BLZ 6 162309 50 BLZ 8 162311 50 BLZ 4 B 162340 100 BLZ 6 B 162342 50 BLZ 8 B 162344 50		BLZ 4 162307 100 BLZ 6 162309 50 BLZ 8 162311 50 BLZ 4 B 162340 100 BLZ 6 B 162342 50 BLZ 8 B 162344 50	
DEK 5 047346 – DEK 5 047356 – WS 12/5 160986 – WS 12/5 144746 –		DEK 5 047346 – DEK 5 047356 – WS 12/5 160986 – WS 12/5 144746 –		DEK 5 047346 – DEK 5 047356 – WS 12/5 160986 – WS 12/5 144746 –		DEK 5 047346 – DEK 5 047356 – WS 12/5 160986 – WS 12/5 144746 –		DEK 5 047346 – DEK 5 047356 – WS 12/5 160986 – WS 12/5 144746 –		DEK 5 047346 – DEK 5 047356 – WS 12/6,5 160992 – WS 12/6,5 156895 –		DEK 5 047346 – DEK 5 047356 – WS 12/6,5 160992 – WS 12/6,5 156895 –	

* With BLZ

²⁾ 20 °C ambient temperature

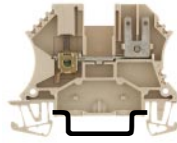
Feed-through terminal blocks

WDU 2.5 F

WDU 2.5 FF

WDK 2.5 F

WDK 2.5 FV



Max. Technical Data

Dimensions

Width/length/height (mm) mit TS 35 x 7,5 5/60/47
 Insulation stripping length/clamping screw/screwdriver blade 10 mm/M 2,5/3,5 x 0,6

Rated data

Rated voltage/rated current/rated cross-section 500 V m. IH/12 (2x6) A /2,5/1 mm²
 Rated impulse voltage VDE 0110/1.89 / pollution severity 6 kV/3

Further technical data

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

Clampable conductor

solid H07V-U mm² 0,5...4
 stranded H07V-R mm² 0,5...2,5
 flexible H07V-K mm² 0,5...2,5
 flexible H07V-K and AEH DIN 46 228/1 mm² 0,5...2,5
 flexible H07V-K and AEH with plastic insul. collar mm² 0,5...2,5¹⁾
 Max. Clamping Range in mm² Gauge pin to 947-1 Size 0,13...4 A 3
 Continuous current rating of cross-connection 2-pole A 35
 Continuous current rating of cross-connection multipole A 35

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

Ordering data	Version
WTW WAP	Wemid
	Wemid
	Wemid
	Wemid
	Blue Wemid

End plate / partition

Type	Cat. No.	Qty.
WAP (Thickness 3 mm) Wemid	105000	50
WAP 2.5 (Thickne. 1,5 mm) blue Wemid	105008	50
WTW (Thickness 1,5 mm) Wemid	105010	20
WTW 2.5-10 Wemid	105018	20

Cross-connection

WQV	Screen lug LS 2.8
WQV 2.5/2	105366 50
WQV 2.5/3	105376 50
WQV 2.5/4	105386 50
WQV 2.5/10	105446 20
WQB B/24	157906 20
LS 2.8	105640 50
WAW 1	900450 -

Notching tool for WQV WAW 1

Test adapter

WTA	TA 1
TA 1	053586 20

Test plug / sockets / insulating sleeves

PS 2.3	StB 8.5	Insulating sleeves
IH 2.8	038606 100	IH 2.8 038606 100

Cover

ADP 2	048530 1 m	ADP 2	048530 1 m	ADP 3	048540 1 m	ADP 3	048540 1 m
HP 2	048566 20	HP 2	048566 20	HP 3	048576 20	HP 3	048576 20

Group marking

WT 4	WGB						
T 5	034850 100	WT 4	134106 100	WT 4	134106 100	WT 4	134106 100
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

Tag carrier for S 10 markers

Marking tags

DEK	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

WDK 2.5 FF



12 A/-	5/75/63	-/-/-	500 V m. IH/12 (2x6) A/1 mm ²	6 kV/3	102170	100
Type	Cat. No.	Qty.				
WAP	105910	20				
WAP	105918	20				
WTW (Ex) e	105880	20				
WQV 2.5/2	105366	50				
WQV 2.5/3	105376	50				
WQV 2.5/4	105386	50				
WQV 2.5/10	105446	20				
LS 2.8	105640	50				
WAW 1	900450	-				
TA 1	053586	20				
IH 2.8	038606	100				
ADP 3	048540	1 m				
HP 3	048576	20				
WT 4	134106	100				
SF 10	033240	1000				
SG 10	033250	1000				
DEK 5	047346	-				
DEK 5	047356	-				
WS 8/5	164074	-				
WS 8/5	158008	-				

WDK 2.5 FFV



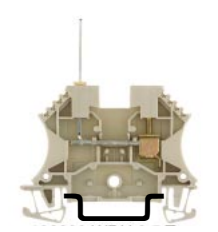
12 A/-	5/75/63	-/-/-	500 V m. IH/12 (2x6) A/1 mm ²	6 kV/3	102250	100
Type	Cat. No.	Qty.				
WAP	105910	20				
WAP (Ex) e	105880	20				
WQV 2.5/2	105366	50				
WQV 2.5/3	105376	50				
WQV 2.5/4	105386	50				
WQV 2.5/10	105446	20				
LS 2.8	105640	50				
WAW 1	900450	-				
TA 1	053586	20				
IH 2.8	038606	100				
ADP 3	048540	1 m				
HP 3	048576	20				
WT 4	134106	100				
SF 10	033240	1000				
SG 10	033250	1000				
DEK 5	047346	-				
DEK 5	047356	-				
WS 8/5	164074	-				
WS 8/5	158008	-				

WDK 2.5 T
WDK 2.5 TT



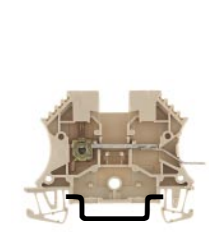
10 A/-	5/69/63/78	10 mm/M 2,5/3,5 x 0,6	125 V/10 A/2,5 mm ²	2,5 kV/3	102380	100
Type	Cat. No.	Qty.				
right pin 0.8x1.6 vt	102380	100				
right pin 0.8x2.4 vt	102390	100				
right+ left 0.8x2.4 vt	157720	100				
WAP 2.5-10	105910	50				
WAP 2.5-10	105918	50				
WTW 2.5-10	105010	20				
WTW 2.5-10	105018	20				
WQV 2.5/2	105366	50				
WQV 2.5/3	105376	50				
WQV 2.5/4	105386	50				
WQV 2.5/10	105446	50				
LS 2.8	105640	50				
WAW 1	900450	-				
TA 1	053586	20				
WTA 5/1	105126	25				
PS 2.3 (ø 2,3)	018040	20				
StB 8.5 (ø 2,3)	021570	50				
WT 4	134106	100				
SF 10	033240	1000				
SG 10	033250	1000				
DEK 5	047346	-				
DEK 5	047356	-				
WS 8/5	164074	-				
WS 8/5	158008	-				

WDU 2.5 T



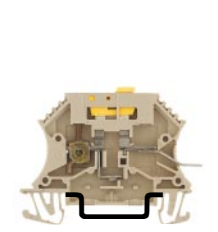
10 A/-	5/60/47/70	10 mm/M 2,5/3,5 x 0,6	125 V/10 A/2,5 mm ²	2,5 kV/3	102200	100
Type	Cat. No.	Qty.				
left pin 1x1	102200	100				
right pin 1x1	102270	100				
left pin 0.8x2.4 vt	102120	100				
left pin 0.8x2.4 ho	103690	100				
WAP 2.5-10	105000	50				
WQV 2.5/2	105366	50				
WQV 2.5/3	105376	50				
WQV 2.5/4	105386	50				
WQV 2.5/10	105446	50				
LS 2.8	105640	50				
WAW 1	900450	-				
WTA 5/1	105126	25				
PS 2.3 (ø 2,3)	018040	20				
StB 8.5 (ø 2,3)	021570	50				
WT 4	134106	100				
SF 10	033240	1000				
SG 10	033250	1000				
DEK 5	047346	-				
DEK 5	047356	-				
WS 12/5	160986	-				
WS 12/5	144746	-				

WDU 2.5 L
WDU 2.5 LL



15 A/-	5/60/64/47	10 mm/M 2,5/3,5 x 0,6	400 V/15 A/2,5/1,5 mm ²	6 kV/3	102220	100
Type	Cat. No.	Qty.				
Screw - Solder	102210	100				
Solder - Solder	102220	100				
WAP 2.5-10	105000	50				
WAP 2.5-10	105008	50				
WTW 2.5-10	105010	20				
WTW 2.5-10	105018	20				
WQV 2.5/2	105366	50				
WQV 2.5/3	105376	50				
WQV 2.5/4	105386	50				
WQV 2.5/10	105446	50				
LS 2.8	105640	50				
WAW 1	900450	-				
WTA 2	163232	50				
WTA 2/ZA	163233	50				
WTA 2/10	163234	5				
ZE 1	163215	50				
WAD 5	105346	50				
WAD 5 white	105606	50				
WGB 5	105076	50				
T 5	034850	100				
SF 10	033240	1000				
SG 10	033250	1000				
DEK 5	047346	-				
DEK 5	047356	-				
WS 12/5	160986	-				
WS 12/5	144746	-				

WTR 2.5 L
WTR 2.5 LL



10 A/-	5/60/64/47	10 mm/M 2,5/3,5 x 0,6	400 V/14 A/1,5 mm ²	6 kV/3	101380	100
Type	Cat. No.	Qty.				
Screw - Solder	101380	100				
Solder - Solder	101390	100				
WAP 2.5-10	105000	50				
WAP 2.5-10	105008	50				
WTW 2.5-10	105010	20				
WTW 2.5-10	105018	20				
QL 2	021586	100				
QL 3	021590	100				
QL 4	021600	50				
QL 10	033800	20				
BS-M 2,5x4,5	106270	100				
DEK	047346	-				
DEK	047356	-				
WS 12/5	160986	-				
WS 12/5	144746	-				

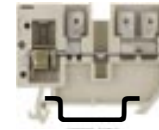
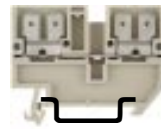
Feed-through terminals with tab connection

AST 1

AST 4

AST 5

SAK 4 S/35 SAK 4 SS/35



Dimensions

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

Rated data

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

Further technical data

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

Clampable conductor

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

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

UL / CSA rated data

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

Ordering data

Version	Type	Cat. No.	Qty.
Slotted Wemid		069960	50
Unslotted Wemid		066480	50
		046040	100
		047940	100
		066490	50
		069970	50
		063030	100
		063040	100
		064690	100

End plate / Partition/Small partition (Thickness mm)

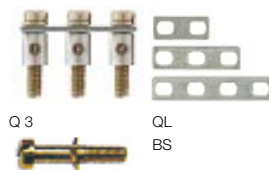
Wemid	Type	Cat. No.	Qty.
AP (1,5)	AP (1,5)	026640	20
PA	TSch 1	031916	100
	AP (1,5)	046049	20
	TSch 1	031916	100
	AP (1,5)	026640	20
	TSch 1	031916	100
	AP (1,5)	010510	20
	TSch 1	031916	100



AP TSch

Cross-connection

2-pole	Q 2	033670	50	Q 2	033670	50	Q 2	033670	50	QL 2	013060	100
3-pole	Q 3	033680	50	Q 3	033680	50	Q 3	033680	50	QL 3	013070	100
4-pole	Q 4	033690	50	Q 4	033690	50	Q 4	033690	50	QL 4	013080	50
10-pole	Q 10	036880	20	Q 10	036880	20	Q 10	036880	20	QL 10	033820	20
25-pole										BS M 3x4,5	159321	100



Q 3 QL BS

Plug adaptor

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



Only clips into PA version of AST3 and AST4

Test plug/Socket

Plug test socket without using QL for TS 32	StB 14	016860	50	StB 14	016860	50	StB 14	016860	50
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PS StB

Insulation sleeve

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

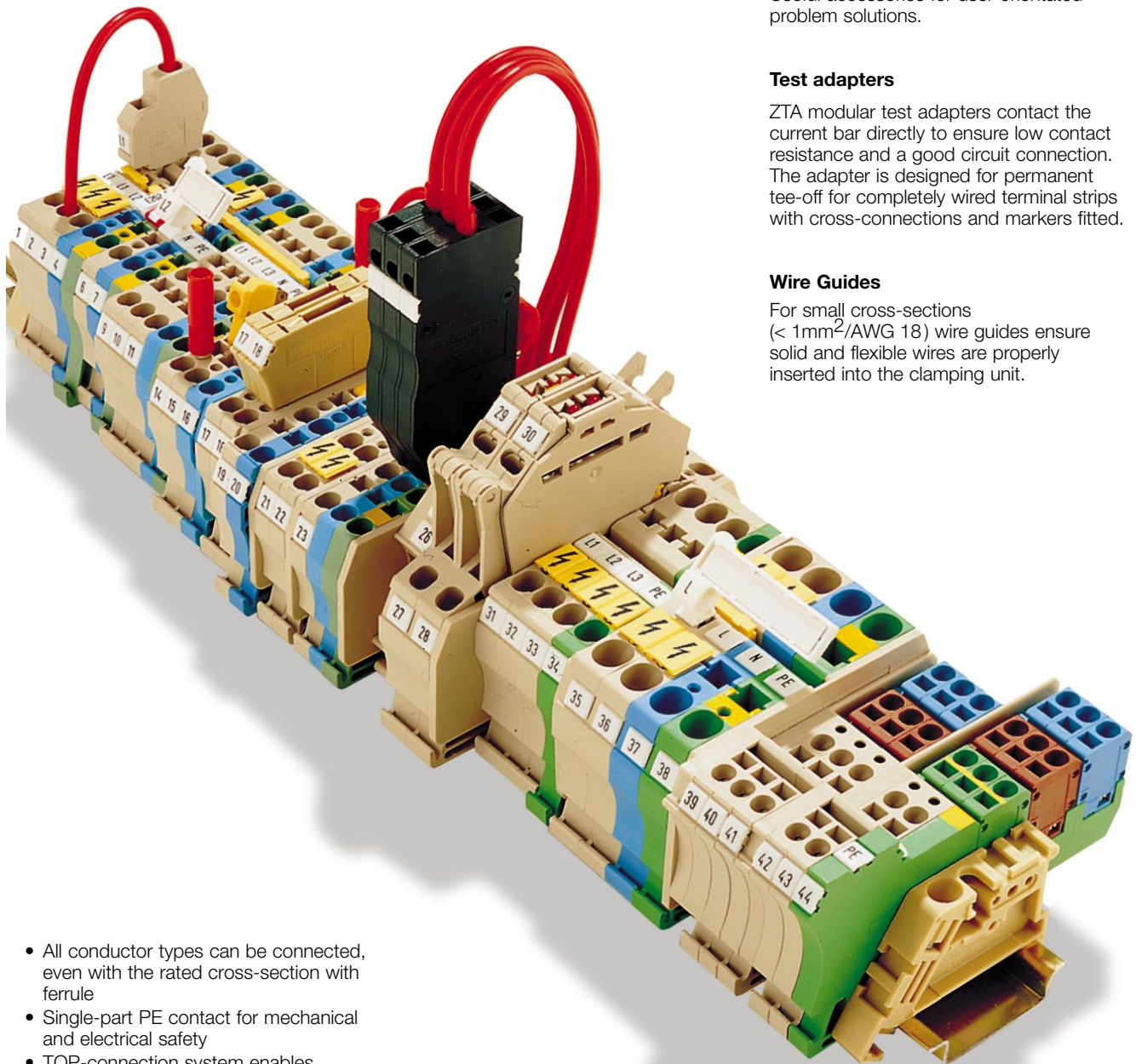
Consecutive horizontal	FW 6.5	046816	-	FW 6	046866	-	FW 6.5	046816	-	FW 6.5	046816	-
Consecutive vertical												

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

¹⁾ With insulation sleeve

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

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.

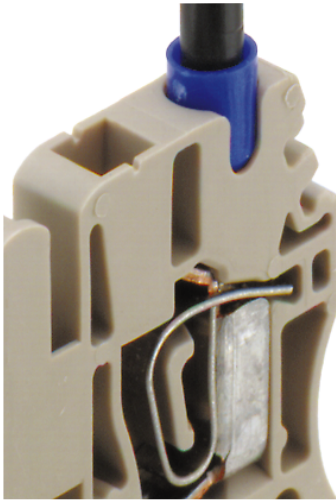
Wire Guides

For small cross-sections (< 1mm²/AWG 18) wire guides ensure solid and flexible wires are properly inserted into the clamping unit.

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

Marking systems

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



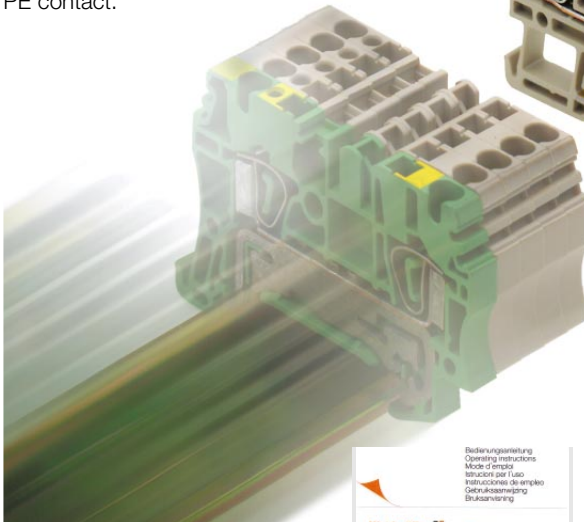
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

Cross-connection system

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

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

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



ZTR disconnect test terminals

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

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

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



Feed-through terminal blocks and terminal blocks with electronic components

ZDU 2.5-2/3AN

ZDU 2.5-2/4AN

ZDU 2.5
ZDU 2.5/10

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



Max. Technical Data

Dimensions	
Width / length / height (mm)	with TS 35 x 7,5 5/50,5/43
Insulation stripping length (mm)	10
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989	
Rated voltage / current / cross-section	800 V/24 A/2,5 mm ²
Rated impulse voltage / pollution severity	8 kV/3
Further technical data	
Clampable conductor:	
solid H07V-U	mm ² 0,5...2,5
flexible H07V-K	mm ² 0,5...2,5
with ferrule to DIN46 228/1**	mm ² 0,5...1,5 ¹⁾
with ferrule with plastic insulating collar**	mm ² 0,5...1,5
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size 0,13...2,5 A2
Continuous current rating of cross-connection	2-pole A 24
Continuous current rating of cross-connection	multipole A 24
UL / CSA rated data	
Voltage / current / conductor size	UL - *
Voltage / current / conductor size	CSA - *
Ordering data	
	Version
	Terminal block 10-pole Wemid
	Terminal block printed 1...9 Wemid
End plate / partition	
ZAP/TW	Version
	Beige Wemid
	Blue Wemid
	Orange PA
Cross-connection	
ZQV	ZQW
Test adapter	
ZTA	Version
	Without pin
	With pin
	PS
	TA
Screwdriver	
SD to DIN 5264-A	
Screen lug	
LS 2.8	
Cover	
ZAD	
Group marking	
ZGB	
ESO	Blank snap-on tag
STR	Transparent protective cover
Reducing sleeves***	
ZRH for conductor 0,13...0,2 mm ²	Colour White
ZRH for conductor 0,25...0,5 mm ²	Grey
ZRH for conductor 0,75...1 mm ²	Dark grey
Marking tags	
DEK	Print
DEK	Consecutive horizontal
ZS 10	Consecutive vertical
ZS 10	Blank
	Printed

Type	Cat. No.	Qty.
ZDU 2.5-2/3AN	170601	100
ZDU 2.5-2/3AN BL	170604	100
ZDU 2.5-2/3AN OR	170605	100
ZAP/TW7	170611	50
ZAP/TW7BL	170612	50
ZAP/TW7OR	170613	50
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20
ZTA 4/ZA	168811	25
TA 1	053586	20
SD 0,6 x 3,5	902423	1
LS 2.8	105640	50
ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20
ZRH 1.5H/1	167881	100
ZRH 1.5H/2	167880	100
ZRH 1.5H/3	167879	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

Type	Cat. No.	Qty.
ZDU 2.5-2/4AN	170606	100
ZDU 2.5-2/4AN BL	170607	100
ZDU 2.5-2/4AN OR	170608	100
ZAP/TW7	170611	50
ZAP/TW7BL	170612	50
ZAP/TW7OR	170613	50
ZQB 2.5	167712	50
ZTA 4/ZA	168811	25
TA 1	053586	20
SD 0,6 x 3,5	902423	1
LS 2.8	105640	50
ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20
ZRH 1.5H/1	167881	100
ZRH 1.5H/2	167880	100
ZRH 1.5H/3	167879	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

Type	Cat. No.	Qty.
ZDU 2.5	160851	100
ZDU 2.5BL	160852	100
ZDU 2.5OR	163678	100
ZDU 2.5/10	162695	10
ZDU 2.5/10/BEZ	165187	10
ZAP/TW1	160874	50
ZAP/TW1BL	160875	50
ZAP/TW1OR	160876	50
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20
ZQW 1	161143	5
ZQW 2	161144	5
ZTA 1	160904	25
ZTA 1/ZA	160905	25
PS 2.3	018040	20
PS 2.0	029380	20
TA 1	053586	20
SD 0,6 x 3,5	902423	1
ZAD 1/4	160911	20
ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20
ZRH 2.5/1	161430	100
ZRH 2.5/2	161429	100
ZRH 2.5/3	161428	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

Type	Cat. No.	Qty.
ZDU 2.5/3AN	160854	100
ZDU 2.5/3AN BL	160855	100
ZDU 2.5/3AN OR	163679	100
ZDU 2.5/3AN/10	162696	10
ZDU 2.5/3AN/10/BEZ	165188	10
ZAP/TW2	160877	50
ZAP/TW2BL	160878	50
ZAP/TW2OR	160879	50
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20
ZQW 1	161143	5
ZQW 2	161144	5
ZTA 1	160904	25
ZTA 1/ZA	160905	25
PS 2.3	018040	20
PS 2.0	029380	20
TA 1	053586	20
SD 0,6 x 3,5	902423	1
ZAD 1/4	160911	20
ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20
ZRH 2.5/1	161430	100
ZRH 2.5/2	161429	100
ZRH 2.5/3	161428	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

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

* Approvals applied for
** Ferrules crimped gas-tight

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

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

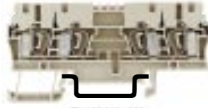
ZDU 2.5/2 x 2 AN
ZDU 2.5/2 x 2 AN/10

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

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

ZDU 4
ZDU 4/10

ZDU 6
ZDU 6/10



30 A/4 mm ²			30 A/4 mm ²									41 A/6 mm ²			57 A/10 mm ²		
5/79/39			5/79/39			5/79/39			5/79/39			6/62/43,5			8/65/45,5		
10			10			10			10			12			13		
800 V/24 A/2,5 mm ²			800 V/24 A/2,5 mm ²			400 V****/1 A/2,5 mm ²			24 V-/<5 mA/2,5 mm ²			800 V/32 A/4 mm ²			800 V/41 A/6 mm ²		
8 kV/3			8 kV/3			6 kV/3						8 kV/3			8 kV/3		
0,5...4			0,5...4			0,5...4			0,5...4			0,5...6			0,5...10		
0,5...4			0,5...4			0,5...4			0,5...4			0,5...6			0,5...10		
0,5...2,5			0,5...2,5			0,5...2,5			0,5...2,5			0,5...4			0,5...6		
0,5...2,5			0,5...2,5			0,5...2,5			0,5...2,5			0,5...4			0,5...6		
0,13...4 A3			0,13...4 A3			0,13...4 A3			0,13...4 A3			0,21...6 A4			0,21...10 A5		
24			24									32			41		
24			24									32			41		
600 V/25 A/26...12 AWG			600 V/25 A/26...12 AWG									600 V/33 A/26...10 AWG			600 V/45 A/22...8 AWG		
600 V/27 A/26...12 AWG			300 V/27 A/26...12 AWG									600 V/35 A/26...10 AWG			600 V/50 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.
ZDU 2.5/4AN	160857	100	ZDU 2.5/2x2AN	160860	100	ZDU2.5/2x2AND+	165034	20	ZDU2.5/2x2AND+	169259	20	ZDU 4	163205	100	ZDU 6	160862	50
ZDU 2.5/4AN BL	160858	100	ZDU 2.5/2x2AN BL	160861	100	mit Diode +↔-			mit LED rot +↔-			ZDU 4 BL	163206	100	ZDU 6 BL	160863	50
ZDU 2.5/4AN OR	163680	100	ZDU 2.5/2x2AN OR	163681	100	ZDU2.5/2x2AND-	165035	20	ZDU2.5/2x2AND-	169260	20	ZDU 4 OR	163683	100	ZDU 6 OR	163682	50
ZDU 2.5/4AN/10	162697	10	ZDU 2.5/2x2AN/10	162698	10	mit Diode -↔+			mit LED red -↔+			ZDU 4/10	163207	10	ZDU 6/10	163143	5
ZDU 2.5/10/4AN/BEZ	165189	10										ZDU 4/10/BEZ	165190	10			
ZAP/TW3	160880	50	ZAP/TW3	160880	50	ZAP/TW3	160880	50	ZAP/TW3	160880	50	ZAP/TW4	163209	50	ZAP/TW5	160883	50
ZAP/TW3BL	160881	50	ZAP/TW3BL	160881	50	ZAP/TW3BL	160881	50	ZAP/TW3BL	160881	50	ZAP/TW4BL	163210	50	ZAP/TW5BL	160884	50
ZAP/TW3OR	160882	50	ZAP/TW3OR	160882	50	ZAP/TW3OR	160882	50	ZAP/TW3OR	160882	50	ZAP/TW4OR	163211	50	ZAP/TW5OR	160885	50
ZQV 2.5/2	160886	60										ZQV 4/2	160895	60	ZQV 6/2	162785	60
ZQV 2.5/3	160887	60										ZQV 4/3	160896	60	ZQV 6/3	162786	60
ZQV 2.5/4	160888	60										ZQV 4/4	160897	60	ZQV 6/4	162787	60
ZQV 2.5/5	160889	20										ZQV 4/5	160898	20			
ZQV 2.5/6	160890	20										ZQV 4/6	160899	20			
ZQV 2.5/7	160891	20										ZQV 4/7	160900	20			
ZQV 2.5/8	160892	20										ZQV 4/8	160901	20			
ZQV 2.5/9	160893	20										ZQV 4/9	160902	20			
ZQV 2.5/10	160894	20										ZQV 4/10	160903	20			
ZQV 2.5/50	169754	20															
ZQW 1	161143	5															
ZQW 2	161144	5															
ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25	ZTA 2	160906	25	ZTA 3	165405	25
ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 2/ZA	160907	25			
PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20			
PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20			
TA 1	053586	20	TA 1	053586	20	TA 1	053586	20	TA 1	053586	20	TA 1	053586	20	TA 1	053586	20
SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423	1	SD 1 x 5,5	902429	1
ZAD 1/4	160911	20	ZAD 1/4	160911	20	ZAD 1/4	160911	20	ZAD 1/4	160911	20	ZAD 2/4	160908	20	ZAD 3/4	160912	20
ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20
ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240
STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20
ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100	ZRH 4/1	163664	100			
ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100	ZRH 4/2	163665	100			
ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100	ZRH 4/3	163666	100			
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

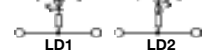
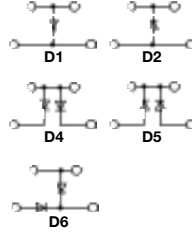
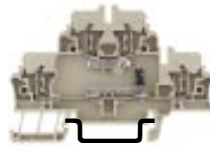
*** Standard pack includes 100 strips for 10 poles each

**** Soldered diodes: Type 1N 4007, reverse voltage 1000 V/current 1 A

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



- / -

5/79/54
10
-V /24 A/2.5 mm ²
6 kV/3
0.5...2.5
0.5...2.5
0.5...1.5 ²)
0.5...1.5
0.13...2.5 A2
24
24
*
*

- / -

5/79/54
10
24 V-<5 mA**/2.5 mm ²
-
0.5...2.5
0.5...2.5
0.5...1.5 ²)
0.5...1.5
0.13...2.5 A2
24
24
*
*

- / -

5/79/54
10
500 V**/10 A**/2.5 mm ²
6 kV/3
0.5...2.5
0.5...2.5
0.5...1.5 ²)
0.5...1.5
0.13...2.5 A2
24
24
*
*

Type	Cat. No.	Qty.
ZDK2.5/1.5N-PE	168998	50
ZAP TW 2.5/1.5	167473	20
ZAP TW 2.5/1.5	169008	20
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 1.5 H/1	167881	100
ZRH 1.5 H/2	167880	100
ZRH 1.5 H/3	167879	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

Type	Cat. No.	Qty.
ZDK2.5/1.5LD 1	169001	50
ZDK2.5/1.5LD 2	169394	50
ZAP TW 2.5/1.5	167473	20
ZAP TW 2.5/1.5	169008	20
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 1.5 H/1	167881	100
ZRH 1.5 H/2	167880	100
ZRH 1.5 H/3	167879	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

Type	Cat. No.	Qty.
ZDK2.5/1.5 D 1	169002	50
ZDK2.5/1.5 D 2	169003	50
ZDK2.5/1.5 D 4	169004	50
ZDK2.5/1.5 D 5	169005	50
ZDK2.5/1.5 D 6	169006	50
ZAP TW 2.5/1.5	167473	20
ZAP TW 2.5/1.5	169008	20
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 1.5 H/1	167881	100
ZRH 1.5 H/2	167880	100
ZRH 1.5 H/3	167879	100
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

2

** Equipped with diode type 1N 4007,reverse voltage 1000 V, current 1 A
*** current of through-busbar = 10 A

Protective conductor terminal blocks









ZPE 2.5-2/3AN

ZPE 2.5-2/4AN

ZPE 2.5

ZPE 2.5/3AN



Dimensions		ZPE 2.5-2/3AN	ZPE 2.5-2/4AN	ZPE 2.5	ZPE 2.5/3AN									
Width / length / height (mm)	with TS 35 x 7,5	5/50,5/43	5/50,5/43	5/59,5/39	5/64/39									
Insulation stripping length	mm	10	10	10	10									
Bemessungsdaten IEC947-7-2														
Rated voltage / current PEN / cross-section		-V/-A/2,5 mm ²	-V/-A/2,5 mm ²	-V/-A/2,5 mm ²	-V/-A/2,5 mm ²									
Rated voltage / rated impulse voltage / pollution severity to VDE 0110/1.89 to adjacent terminal		800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3	800 V/8 kV/3									
Further technical data														
Clampable conductor:														
solid H07V-U	mm ²	0,5...2,5	0,5...2,5	0,5...4	0,5...4									
flexible H07V-K	mm ²	0,5...2,5	0,5...2,5	0,5...4	0,5...4									
with ferrule to DIN 46 228/1**	mm ²	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...2,5	0,5...2,5									
with ferrule with plastic insulating collar**	mm ²	0,5...1,5	0,5...1,5	0,5...2,5	0,5...2,5									
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...4 A3	0,13...4 A3									
UL / CSA rated data														
Voltage / current / conductor size	UL	*	*	-V/-A/26...12 AWG	-V/-A/26...12 AWG									
Voltage / current / conductor size	CSA	*	*	-V/-A/26...12 AWG	-V/-A/26...12 AWG									
Ordering data		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	Green/yellow Wemid	ZPE 2.5-2/3AN	170609	100	ZPE 2.5-2/4AN	170610	100	ZPE 2.5	160864	100	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	ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25	ZTA 1	160904	25
		With pin	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25
		PS	TA 1	053586	20	TA 1	053586	20	TA 1	053586	20	TA 1	053586	20
		TA							PS 2.3	018040	20	PS 2.3	018040	20
									PS 2.0	029380	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		ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	ZGB 30	161193	20	
ESO	Blank snap-on tag	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	ESO 7	160772	240	
STR	Transparent protective cover	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	STR 7	051530	20	
Reducing sleeves***		Colour												
ZRH for conductor 0,13...0,2 mm ²		White	ZRH 1.5H/1	167881	100	ZRH 1.5H/1	167881	100	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430	100
ZRH for conductor 0,25...0,5 mm ²		Grey	ZRH 1.5H/2	167880	100	ZRH 1.5H/2	167880	100	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429	100
ZRH for conductor 0,75...1 mm ²		Dark grey	ZRH 1.5H/3	167879	100	ZRH 1.5H/3	167879	100	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428	100
Marking tags		Print												
DEK		Consecutive horizontal	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500
DEK		Consecutive vertical	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500
ZS 10		Blank	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10		Printed	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480

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

* 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

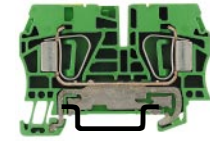
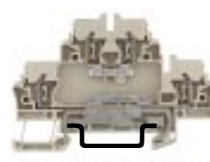
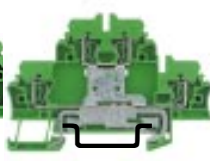
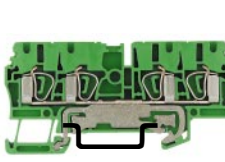
ZDK 2.5/1.5 PE

ZDK 2.5/1.5 DU-PE

ZDK 2.5/1.5 N-PE

ZPE 4

ZPE 6



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 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 4/ZA	168811	25	ZTA 2	160906	25	ZTA 3	165405	25
ZTA 1/ZA	160905	25										ZTA 2/ZA	160907	25	TA 1	053586	20
TA 1	053586	20										TA 1	053586	20	PS 2.3	018040	20
PS 2.3	018040	20										PS 2.3	018040	20	PS 2.0	029380	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 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 $\frac{1}{4}$ 8/79/74 12/79/74

Insulation stripping length mm 10 10

Rated data

Terminal block base:

Rated voltage / current / cross-section

Rated impulse voltage / pollution severity to VDE 0110/1.89

Fuse switches:

Fuse cartridges to VDE 0820

Dissipation at 23 °C and 1.5 x I rated current

– Single arrangement W 2,5

Combined arrangement W 1,6

500 V/6,3 A/2,5 mm²
6 kV/3

5 x 20 mm

500 V/10 A/2,5 mm²
6 kV/3

1/4" x 1/1/4" (6,3 x 32 mm)

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 0,13...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/10 A/26...12 AWG

600 V/15 A/26...12 AWG

600 V/16 A/26...12 AWG

600 V/15 A/26...12 AWG

Ordering data/Version

Ordering data/Version	Rated impulse voltage
Wemid	500 V
Wemid/with 1 LED	250 V~/110 V-
Wemid/with 1 LED	80...120 V~/40...60 V-
Wemid/with 1 LED	30...60 V~/15...30 V-
Wemid/with 1 LED	10...24 V~/5...14 V-
Wemid/with 1 LED	24 V-

Type	Cat. No.	Qty.
ZSI 2.5	161640	50
ZSI 2.5/LD	161641	50
ZSI 2.5/LD	161642	50
ZSI 2.5/LD	161643	50
ZSI 2.5/LD	161644	50
ZSI 2.5/LD	161645	50

Type	Cat. No.	Qty.
ZSI 2.5	161646	25
ZSI 2.5/2LD	161650	25
ZSI 2.5/2LD	161649	25
ZSI 2.5/2LD	161648	25
ZSI 2.5/2LD	161647	25

End plate / partition

End plate / partition	Version
	Wemid ZAP/TW3 160880 50
	Blue Wemid ZAP/TW3BL 160881 50
	Orange PA ZAP/TW3OR 160882 50
	Wemid ZAP TNHE/ZSI 2.5 161084 25

Cross-connection

QZV	QZV
	QZV 6/2 162785 60
	QZV 6/3 162786 60
	QZV 6/4 162787 60

QZS 2.5/2	QZS 2.5/3	QZS 2.5/4	QZS 2.5/5
QZS 2.5/2 163320 20	QZS 2.5/3 163321 20	QZS 2.5/4 163322 20	QZS 2.5/5 163323 20

Test adapter

ZTA	Version
	Without pin ZTA 1 160904 25
	With pin ZTA 1/ZA 160905 25

ZTA 1	ZTA 1/ZA
ZTA 1 160904 25	ZTA 1/ZA 160905 25

Screwdriver

SD to DIN 5264-A	SD 0,6 x 3,5
	SD 0,6 x 3,5 902423 1

SD 0,6 x 3,5	SD 0,6 x 3,5
SD 0,6 x 3,5 902423 1	SD 0,6 x 3,5 902423 1

Group marking

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

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

Marking tags

DEK 5	DEK 5	ZS 10	ZS 10	WS 10	WS 10	WS 10
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	DEK 5	ZS 10/5	ZS 10/5	WS 10/5	WS 10/5	WS 10/5
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

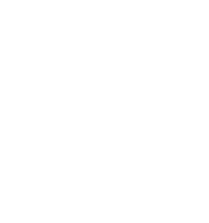
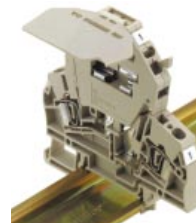
Fitting the ZAP TNHE 2.5 end plate

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.



*** Ferrules crimped gas-tight

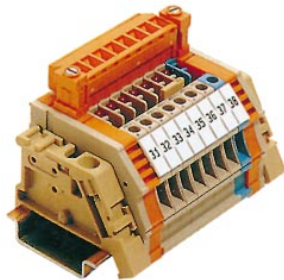
Cat.-Nr. for G-fuse inserts see Page 2/93

Modular terminal blocks for plug-in connectors

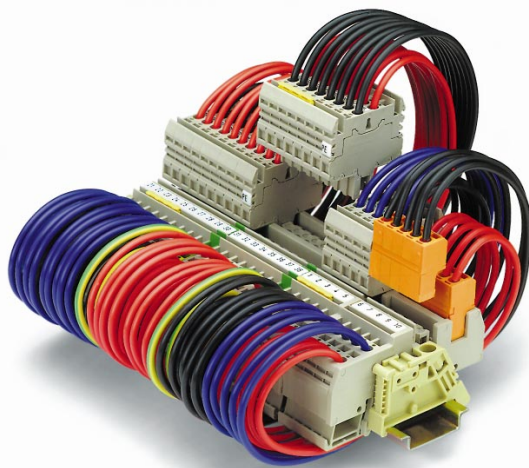
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

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.

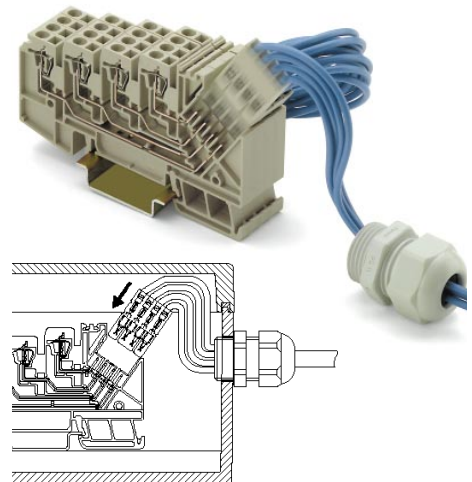
WDU 2.5/BLZ WDK 2.5/BLZ



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

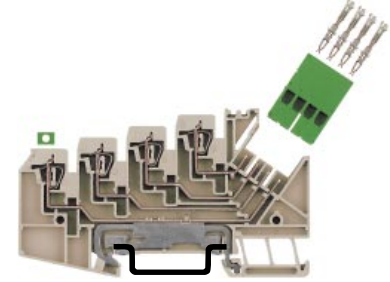
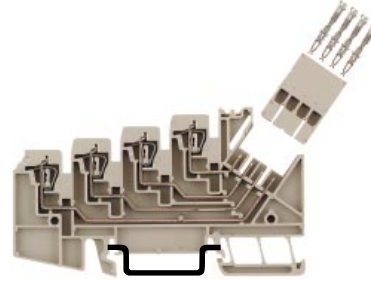
Terminal block for plug-in connectors






ZRV 1.5

STGH ZRV 1.5

ZRV 1.5PE

STGH ZRV 1.5/PE



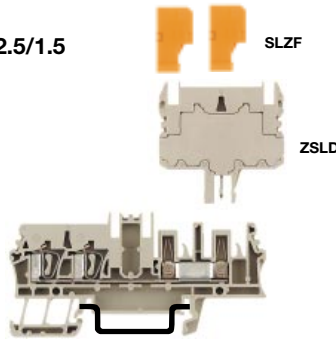
Dimensions	Base terminal	Plug-in connector	Base terminal	Plug-in connector								
Width / length / height (mm)		5,0/23,0/16,8		5,0/23,0/16,8								
Width / length / height (mm) with TS 35 x 7,5		-		-								
Including plugged connector:												
Width / length / height (mm) with TS 35 x 7,5		-		-								
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	mm ²	Tension clamp connection								
solid H07V-U	mm ²	0,13...2,5	mm ²	0,13...2,5								
flexible H07V-K	mm ²	0,5...2,5	mm ²	0,5...2,5								
with ferrule to DIN 46 228/1	mm ²	0,5...2,5	mm ²	0,5...2,5								
with ferrule with plastic insulating collar	mm ²	0,5...1,5	mm ²	0,5...1,5								
Max. Clamping Range in mm ²		0,5...1,5		0,5...1,5								
Gauge pin to IEC 947-1/1988	Size	0,13...2,5 A1		0,13...2,5 A1								
UL / CSA rated data												
Voltage / current / conductor size	UL	150 V/10 A/26...14 AWG	UL	150 V/10 A/26...14 AWG								
Voltage / current / conductor size	CSA	submitted	CSA	submitted								
Ordering data	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	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 ZRV 1.5/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

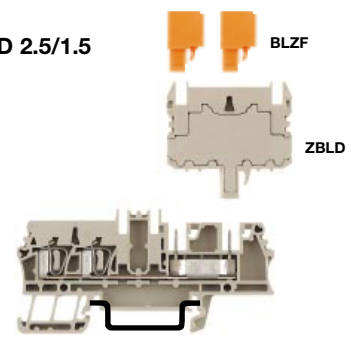
* Cross-connection can be easily cut off for required number of poles

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 250 V/16 A/2,5 mm²
 Rated insulation voltage to VDE 0110 / 2,89 / pollution severity 4 kV/3

Further technical data

Clampable conductor:
 solid H07V-U mm² 0,5...2,5
 flexible H07V-K mm² 0,5...2,5
 with ferrule to DIN 46 228/1** mm² 0,5...1,5¹⁾
 with ferrule with plastic insulating collar** mm² 0,5...1,5
 Max. Clamping Range in mm²/Gauge pin to IEC 947-1/1988 Size 0,13...2,5 A2
 Continuous current rating of cross-connection 2-pole A 16
 Continuous current rating of cross-connection multipole A 16

UL / CSA rated data

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

Ordering data

Base terminal block Wemid

ZKBD / ZSLD

5/79/62 8

ZKBD / SLZF

5/79/49 7
 250 V/16 A/2,5 mm² 250 V/16 A/1,5 mm²
 4 kV/3 4 kV/3

ZKSD / ZBLD

5/79/62 8

ZKSD / BLZF

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

16 16

16

*

*

Connector

Type	Cat. No.	Qty.
ZKBD 2.5 / 1.5	168826	100
ZSLD 2.5/1.5/2	168828	25
ZSLD 2.5/1.5/3	168829	25
ZSLD 2.5/1.5/4	168889	25
ZSLD 2.5/1.5/5	168890	20
ZSLD 2.5/1.5/6	168891	20
ZSLD 2.5/1.5/7	168892	20
ZSLD 2.5/1.5/8	168893	20
ZSLD 2.5/1.5/9	168894	10
ZSLD 2.5/1.5/10	168895	10
ZSLD 2.5/1.5/11	168896	10
ZSLD 2.5/1.5/12	168897	10

Type	Cat. No.	Qty.
ZKSD 2.5 / 1.5	169761	100
ZBLD 2.5/1.5/2	169763	25
ZBLD 2.5/1.5/3	169764	25
ZBLD2.5/1.5/4	169765	25
ZBLD2.5/1.5/5	169766	20
ZBLD2.5/1.5/6	169767	20
ZBLD2.5/1.5/7	169768	20
ZBLD2.5/1.5/8	169769	20
ZBLD2.5/1.5/9	169770	10
ZBLD2.5/1.5/10	169771	10
ZBLD2.5/1.5/11	169772	10
ZBLD2.5/1.5/12	169773	10

Type	Cat. No.	Qty.
ZAP/TW 3	160880	50
ZAP/TW 3	160882	50
ZVR	168834	20

Type	Cat. No.	Qty.
ZAP 6	168830	50
ZAP 6	168833	50
ZAP/VR 1	168831	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

Type	Cat. No.	Qty.
ZTA 4/ZA	168811	25

Type	Cat. No.	Qty.
SD 0,6 x 3,5	902423	1

Type	Cat. No.	Qty.
ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

Type	Cat. No.	Qty.	Colour
ZRH 1.5H /1	167881	100	White
ZRH 1.5H /2	167880	100	Grey
ZRH 1.5H /3	167879	100	Dark grey

Type	Cat. No.	Qty.	Print
DEK 5	047346	500	Consecutive horizontal
DEK 5	047356	500	Consecutive vertical
ZS 10/5	161000	480	Blank
ZS 10/5	161001	480	Printed

End plate / partition/Fixing bracket

ZAP Wemid



Orange PA

Cross-connection

ZQV 2,5



Test adapter

ZTA With pin



Screwdriver

SD to DIN 5264-A

Group marking

ZGB Blank snap-on tag

ESO Transparent protective cover

Reducing sleeves***

ZRH for conductor 0,13...0,2 mm²

ZRH for conductor 0,25...0,5 mm²

ZRH for conductor 0,75...1 mm²

Marking tags

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

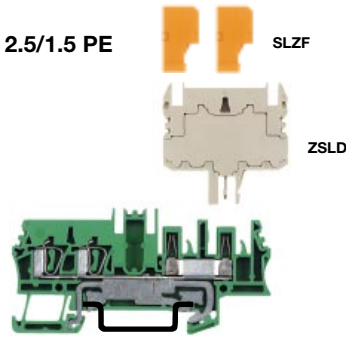
*** Standard pack includes 100 strips for 10 poles each

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

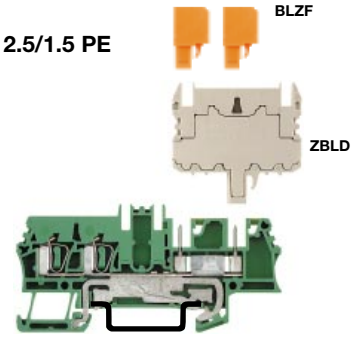
(Cat. No. 901146) 2,5 mm² possible too

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 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

Base terminal block Version Green/yellow Wemid

Connector

ZKBD PE / ZSLD

5/79/62 8

5/79/49 7

-V/-A/2,5 mm²

250 V/4 kV/3

ZKBD PE / SLZF

5/79/49 7

-V/-A/1,5 mm²

250 V/4 kV/3

ZKSD PE / ZBLD

5/79/62 8

5/79/49 7

-V/-A/2,5 mm²

250 V/4 kV/3

ZKSD PE / BLZF

5/79/49 7

-V/-A/1,5 mm²

250 V/4 kV/3

End plate / partition/Fixing bracket

ZAP Wemid
 Orange PA
 Orange PA



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

ZAP/TW 3	160880	50	ZAP 6	168830	50
ZAP/TW 3	160882	50	ZAP 6	168833	50
ZVR	168834	20	ZAP/VR 1	168831	50

Support block

SH For insulation of mounting rails in insulated-earth installations



SH 2 049492 10

SH 2 049492 10

Test adapter

ZTA With pin



ZTA 4/ZTA 168811 25

ZTA 4/ZTA 168811 25

Screwdriver

SD to DIN 5264-A



SD 0,6 x 3,5 902423 1

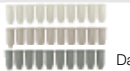
SD 0,6 x 3,5 902423 1

Group marking

ZGB Blank snap-on tag
 ESO Transparent protective cover
 STR

Reducing sleeves***

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 1.5N /1	163214	100
ZRH 1.5H /2	167880	100	ZRH 1.5N /2	163213	100
ZRH 1.5H /3	167879	100	ZRH 1.5N /3	163212	100

ZRH 1.5H /1	167881	100	ZRH 1.5N /1	163214	100
ZRH 1.5H /2	167880	100	ZRH 1.5N /2	163213	100
ZRH 1.5H /3	167879	100	ZRH 1.5N /3	163212	100

Marking tags

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



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

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

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

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

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

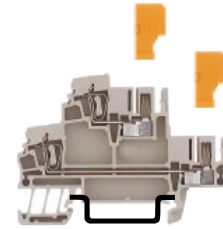
Pluggable Terminal blocks

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
 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

End plate / partition/Verriegelung

ZAP  Wemid
 ZVR  Beige PA
 ZVR  grün PA

Cross-connection

ZQV 2,5



Test adapter

ZTA  With pin Version

Screwdriver

SD to DIN 5264-A

Group marking

ZGB  Blank snap-on tag
 ESO  Transparent protective cover
 STR 

Reducing sleeves***

ZRH for conductor 0,13...0,2 mm² White
 ZRH for conductor 0,25...0,5 mm² Grey
 ZRH for conductor 0,75...1 mm² Dark grey

Marking tags

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 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

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 1.5N /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

ZDKB SLZF

5/79/62 5/79/49
 8 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

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 1.5N /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

ZDUB 2.5-2

Miniblocks in tension clamp technology

New family of miniature block terminals incorporating the tension clamp connection system and offering four different options for mounting.

- 1 Fitted without a mounting rail directly onto any supporting unit by means of external screws
- 1 Fitted without a mounting rail directly onto base panels by means of integrated snap-in clips
- 1 Fitted onto TS15 mounting rails in accordance with DIN EN 50 045
- 1 Option for fitting onto TS15 and TS 35 mounting rails by retrofitting a snap-on foot to direct-mounting versions

With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By assigning different colours to individual groups of connections, a clear division can be made between different circuits.

With an overall width of either 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees absolute clarity when the blocks are wired up. Even in terminal boxes where space is limited, the wiring remains neat and comprehensible. With three options for marking, each individual block terminal can be identified quickly and unambiguously.

All block terminals are made from high-quality Weidmüller WEMID insulating material which conforms to the UL94 V0 flammability rating.

Summary of advantages

- 1 Four different mounting options
- 1 Two versions
 - 5 mm width with 2 connections
 - 10 mm width with 4 connections
- 1 Space-saving creation of individual blocks by combining 2 and 4-connection versions
- 1 TOP connection system guarantees clarity after terminals have been wired up
- 1 UL94 V0 flammability rating



**ZDUB 2.5-2
Direct mounting**



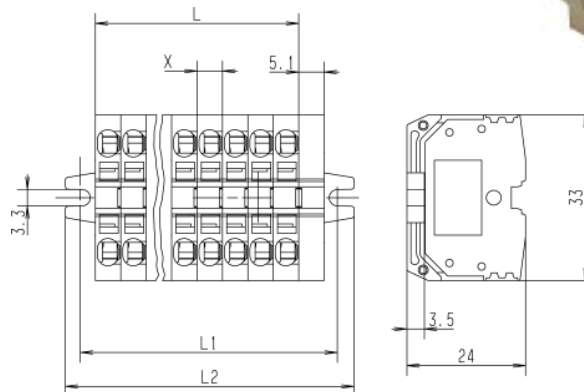
**ZDUB 2.5-2
Snap-in clips**



**ZDUB 2.5-2
TS15**



**ZDUB 2.5-2
TS15 / TS35**



Rated data IEC 947-7-1

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

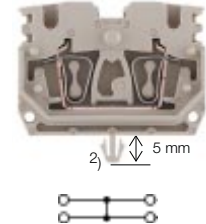
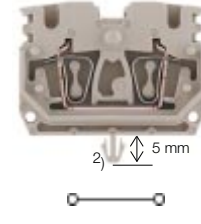
ZDUB 2.5-2/4AN

Direct mounting

Direct mounting

Snap-in clips

Snap-in clips



Dimensions table: Width / length / height (mm) with TS 15, Insulation stripping length, Rated data IEC 947-7-1, Further technical data, UL / CSA rated data, Ordering data, Endterminal, Multipole terminals, Fixing bracket, Clip-on combifoot, End plate, Partition, Cross-connection, Screwdriver.

Dimensions table: Width / length / height (mm) with TS 15, Insulation stripping length, Rated data IEC 947-7-1, Further technical data, UL / CSA rated data, Ordering data, Endterminal, Multipole terminals, Fixing bracket, Clip-on combifoot, End plate, Partition, Cross-connection, Screwdriver.

Dimensions table: Width / length / height (mm) with TS 15, Insulation stripping length, Rated data IEC 947-7-1, Further technical data, UL / CSA rated data, Ordering data, Endterminal, Multipole terminals, Fixing bracket, Clip-on combifoot, End plate, Partition, Cross-connection, Screwdriver.

Dimensions table: Width / length / height (mm) with TS 15, Insulation stripping length, Rated data IEC 947-7-1, Further technical data, UL / CSA rated data, Ordering data, Endterminal, Multipole terminals, Fixing bracket, Clip-on combifoot, End plate, Partition, Cross-connection, Screwdriver.

Dimensions table: Width / length / height (mm) with TS 15, Insulation stripping length, Rated data IEC 947-7-1, Further technical data, UL / CSA rated data, Ordering data, Endterminal, Multipole terminals, Fixing bracket, Clip-on combifoot, End plate, Partition, Cross-connection, Screwdriver.

UL / CSA rated data table: Voltage / current / conductor size.

Ordering data table: Type, Cat. No., Qty. for various terminal block configurations.

Endterminal table: Type, Cat. No., Qty. for different flange configurations.

Multipole terminals table: Pole count, Type, Cat. No., Qty.

Fixing bracket table: Type, Cat. No., Qty.

Clip-on combifoot table: Type, Cat. No., Qty.

End plate table: Type, Thickness, Wemid color, Cat. No., Qty.

Partition table: Type, Thickness, Wemid color, Cat. No., Qty.

Cross-connection table: Type, Pole count, Cat. No., Qty.

Screwdriver table: Type, Specification, Cat. No., Qty.



Marking tags table: Type, Configuration, Cat. No., Qty.

Ordering data table: Type, Cat. No., Qty. for various terminal block configurations.

Fixing bracket table: Type, Cat. No., Qty.

Clip-on combifoot table: Type, Cat. No., Qty.

End plate table: Type, Thickness, Wemid color, Cat. No., Qty.

Partition table: Type, Thickness, Wemid color, Cat. No., Qty.

Cross-connection table: Type, Pole count, Cat. No., Qty.

Screwdriver table: Type, Specification, Cat. No., Qty.

Marking tags table: Type, Configuration, Cat. No., Qty.

Ordering data table: Type, Cat. No., Qty. for various terminal block configurations.

Fixing bracket table: Type, Cat. No., Qty.

Clip-on combifoot table: Type, Cat. No., Qty.

End plate table: Type, Thickness, Wemid color, Cat. No., Qty.

Partition table: Type, Thickness, Wemid color, Cat. No., Qty.

Cross-connection table: Type, Pole count, Cat. No., Qty.

Screwdriver table: Type, Specification, Cat. No., Qty.

Marking tags table: Type, Configuration, Cat. No., Qty.

Ordering data table: Type, Cat. No., Qty. for various terminal block configurations.

Fixing bracket table: Type, Cat. No., Qty.

Clip-on combifoot table: Type, Cat. No., Qty.

End plate table: Type, Thickness, Wemid color, Cat. No., Qty.

Partition table: Type, Thickness, Wemid color, Cat. No., Qty.

Cross-connection table: Type, Pole count, Cat. No., Qty.

Screwdriver table: Type, Specification, Cat. No., Qty.

Marking tags table: Type, Configuration, Cat. No., Qty.

Ordering data table: Type, Cat. No., Qty. for various terminal block configurations.

Fixing bracket table: Type, Cat. No., Qty.

Clip-on combifoot table: Type, Cat. No., Qty.

End plate table: Type, Thickness, Wemid color, Cat. No., Qty.

Partition table: Type, Thickness, Wemid color, Cat. No., Qty.

Cross-connection table: Type, Pole count, Cat. No., Qty.

Screwdriver table: Type, Specification, Cat. No., Qty.

Marking tags table: Type, Configuration, Cat. No., Qty.

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
Stealthickness 0,6 -1,2 mm, pitch 5,1 or 10,2

ZDUB 2.5-2/2AN

TS 15



5/33/32
10
800 V/24 A/2,5 mm ²
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

2AN/15	171275	100
2AN/15 BL	171276	100
2AN/15 OR	171277	100

2AN/2/15	171433	50
2AN/3/15	171434	50
2AN/4/15	171435	20
2AN/5/15	171436	20
2AN/6/15	171437	20
2AN/7/15	171438	20
2AN/8/15	171439	10
2AN/9/15	171440	10
2AN/10/15	171441	10
2AN/11/15	171442	10
2AN/12/15	171443	10

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

ZTW ZDUB	170434	50
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SD 0,6 x 3,5	902423	1
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DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

ZDUB 2.5-2/4AN

TS 15



10/33/32
10
800 V/24 A/2,5 mm ²
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

600V/20A/26...12AWG		
4AN/15	171278	100
4AN/15 BL	171279	100
4AN/15 OR	171280	100

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

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

ZTW ZDUB	170434	50
----------	---------------	----

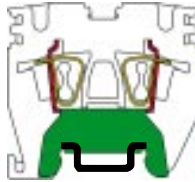
ZQB 2,5	167712	50
---------	---------------	----

SD 0,6 x 3,5	902423	1
--------------	---------------	---

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

ZPEB 2.5-2/2AN

TS 15



5/33/32
10
IEC 947-7-2
- /-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

2AN/15	171281	100
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ZAP ZDUB	170475	50
ZAP ZDUB BL	170476	50
ZAP ZDUB OR	170477	50

ZTW ZDUB	170434	50
----------	---------------	----

SD 0,6 x 3,5	902423	1
--------------	---------------	---

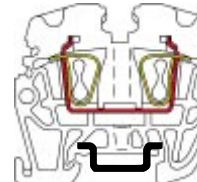
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

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 2.5-2TS 15
available Sep. 97

5/35/30,5
10
500 V/24 A/2,5 mm ²
6 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

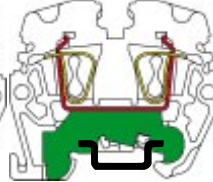
ZDUA 2.5-2	172092	100
ZDUA 2.5-2 BL	172093	100
ZDUA 2.5-2 OR	172094	100

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

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

SD 0,6 x 3,5	902423	1
--------------	---------------	---

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

ZPEA 2.5-2TS 15
available Sep. 97

5/35/30,5
10
IEC 947-7-2
-- V/-- A/2,5 mm ²
500 V
6 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

ZPEA 2.5-2	172095	100
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ZAP/TW ZDUA	172096	50
ZAP/TW ZDUA BL	172096	50
ZAP/TW ZDUA OR	172096	50

SD 0,6 x 3,5	902423	1
--------------	---------------	---

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



ZST
Bus Support



ZQB 2.5
Cross-connection bridge



Dimensions

Width / length / height	mm	6/21/61
Insulation stripping length	mm	10

Rated data

Rated voltage / current / cross-section		400 V/17,5 A/2,5 mm ²
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity		6 kV/3

Further technical data

Clampable conductor:		
solid H07V-U	mm ²	0,5...4
flexible H07V-K	mm ²	0,5...4
with ferrule to DIN 46 228/1**	mm ²	0,5...2,5
with ferrule with plastic insulating collar**	mm ²	0,5...2,5
Max. Clamping Range in mm ² /Gauge pin to IEC 947-1/1988 Size		A3

Ordering data

Version

Wemid

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.



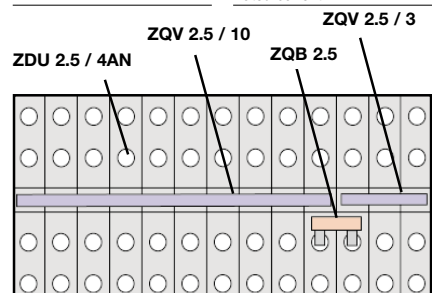
The ZBW 1 - 6 and ZBW W can be used for actuating the 1,5 mm² and 2,5 mm² terminal clamping units. The ZBW W additionally offers easier access in confined spaces. The plastic actuating tools increase safety when working on energised systems.

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

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

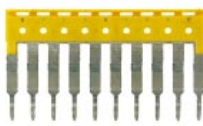
SFEH
Pin header



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).

The Screen conductor from shielded control lines can be soldered to the current bar of the Screening connection terminal block ZDUS or connected with crimped 2.8 x 0.8 mm push on receptacle. The Screening connection terminal block ZDUS can be assembled to the ZDU 2.5, ZDU 2.5 / 3 AN, ZDU 4, ZDU 6 and ZTR 2.5.

Made-to-measure cross-connections

The ZQV 2.5/50 is a cross-connection with which up to 32 terminals can be quickly and easily interconnected. The 50 pole cross-connection comb can be easily cut by the fitter to the required number of poles. Using this system, you will be able to reduce storage requirements but still have a cross-connection with the correct number of poles available. Left-overs occur infrequently due to the high number of poles (50).

The ends of the endless cross-connections are blank. An end plate must be inserted between neighbouring ZQVs with blank edges. For ZDU 2.5 and WDU 2.5 it is sufficient to stagger the ZQVs. The rated voltage is 400 V. Generally, the ZQV 2.5/50 can be used with up to 32 poles.

Termi-Point® = registered trademark of the company AMP
Wire-wrap® = registered trademark of the company Gardener Denver

Initiator terminals/Actuator terminals

ZIK•ZAK - System advantages

For process control automation in machinery and plants, initiators (such as triggering switches) and actuators (such as magnetic valves) are important components. To reduce the amount of wiring needed they are grouped and wired together on the machine.

The limited space available often makes it difficult to install terminal enclosures. In such situations, it is necessary to use the smallest possible components since little room is provided for wiring and mounting of the enclosure. However, no compromises are acceptable in terms of ease of installation, accessibility and clarity of the wiring.

The new ZIK ZAK initiator/actuator terminal from our Z-Series, fulfills the demands for compactness and intraconnection by employing a novel modular construction.

Modular distributor Systems

The terminal needed to connect the initiator/actuator consists of a base element and clip-on distribution elements. The base element contains only the connectors for the signal line. The +/- supply and ground could be linked within the enclosure.

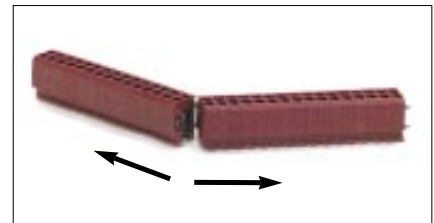
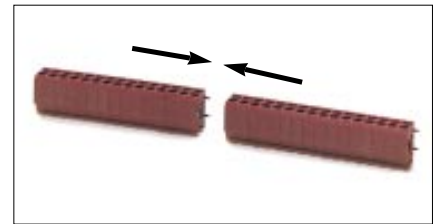
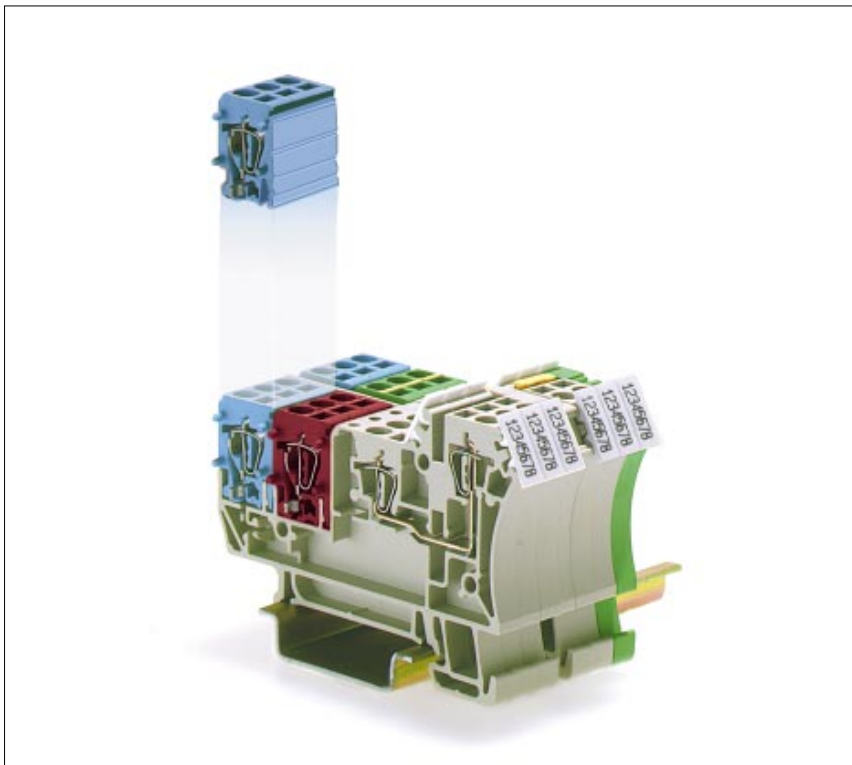
Marking systems

The use of coloured insulators (reddish-brown, blue and green/yellow) generally makes identification easy. The two marking channels for the connectors and signal are angled to improve legibility.

Modular distribution strip

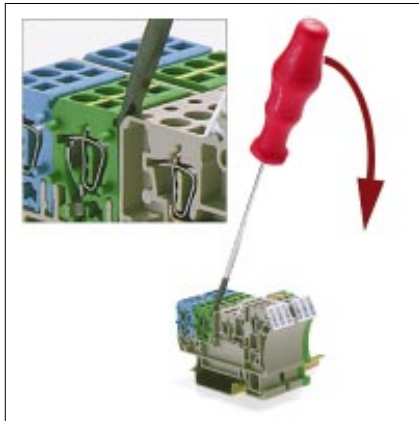
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

There is no need for additional cross-connectors. There is no time spent attaching cross-connectors and, of course, no errors can be made with cross-connection. The user can determine the number of poles for cross-connection.



Easy to modify

Once joined together the distribution strip simply clips onto the base element. There are no tools necessary. Should you want to remove a distribution strip you can simply pry it off with a cheese-head screw driver.



Connection of 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.

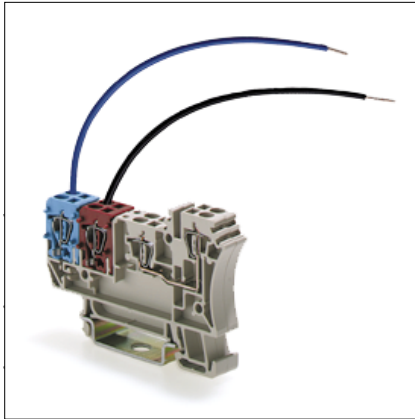
An example:

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.

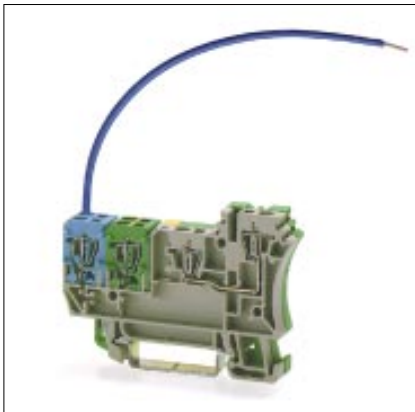
Connection of actuators

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.

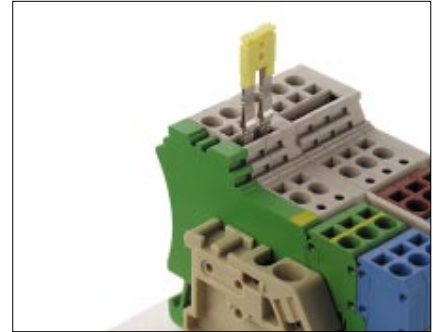


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The $n+1$ rule for the number of distributor elements also applies here. In other words, just 1 PE element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

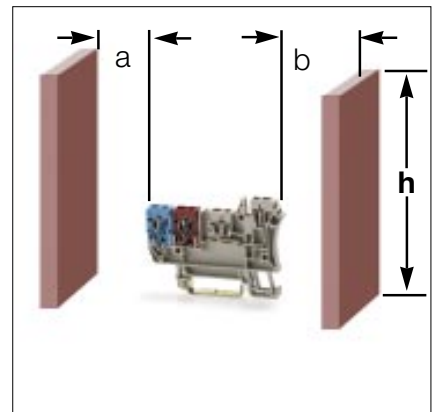


Not much space required

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 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-way
3.8/81/38 4-way



Cross-connection

for signal level 2 poles
ZQV 3 poles
ZQV 4 poles
ZQV 5 poles
ZQV 6 poles
ZQV 7 poles
ZQV 8 poles
ZQV 9 poles
ZQV 10 poles
ZQV 50 poles

Screwdriver

SD to DIN 5264 A

Marking tags

Consecutive horizontal
Consecutive vertical

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

5,08/68/45,8
8 mm/-/3,5 x 0,6
250 V/17,5 A/1,5 mm ²
5...30 V/17,5 A/1,5 mm ²
4 kV/3
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 mm ²
5...30 V/17,5 A/1,5 mm ²
4 kV/3
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 mm ²
5...30 V/17,5 A/1,5 mm ²
4 kV/3
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 mm ²
4 kV/3
0,13...2,5
0,5...2,5
0,5...1,5
A 1

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

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

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**

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

Type	Cat. No.	Qty.
ZAP/TW ZIA 1.5/3 L	164954	50

Type	Cat. No.	Qty.
ZAP/TW ZIA 1.5/4 L	164955	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

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

Type	Cat. No.	Qty.
SD 0,6 x 3,5	902423	1

Type	Cat. No.	Qty.
SD 0,6 x 3,5	902423	1

Type	Cat. No.	Qty.
SD 0,6 x 3,5	902423	1

Type	Cat. No.	Qty.
SD 0,6 x 3,5	902423	1

Type	Cat. No.	Qty.
DEK 5	047346	500
DEK 5	047356	500

Type	Cat. No.	Qty.
DEK 5	047346	500
DEK 5	047356	500

Type	Cat. No.	Qty.
DEK 5	047346	500
DEK 5	047356	500

Type	Cat. No.	Qty.
DEK 5	047346	500
DEK 5	047356	500

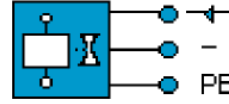
*) Note the polarity
**) Pre-assembled as 20 pole-units

**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

alternatively

Terminal base 3-way with LED
ZIA 1.5/3 L- **165199** 50
1 S/LD
for PNP and NPN



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



alternatively

alternatively

alternatively

Terminal base 4-way with LED
ZIA 1.5/4 L- **165202** 50
1 S/LD
for PNP and NPN



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

as required



as required



as required



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

+



+



End plate 3-way
ZAP/TW **164954** 50
ZIA 1.5/3 L

+



+



+



+



End plate 4-way
ZAP/TW **164955** 50
ZIA 1.5/4 L

+



+



+

+



+



Distribution strip
ZVL 1.5 BR **165037** 100

+



+



+

+



+



Distribution strip
ZVL 1.5 BL **165036** 100

+



+



+

+



+



Distribution strip
ZVL 1.5 PE **165197** 100

=



=



=



=



=

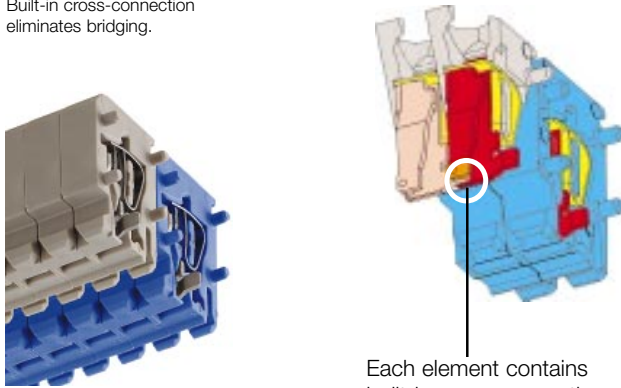


ZIK•ZAK configuration

ZPV 1.5 – potential distribution

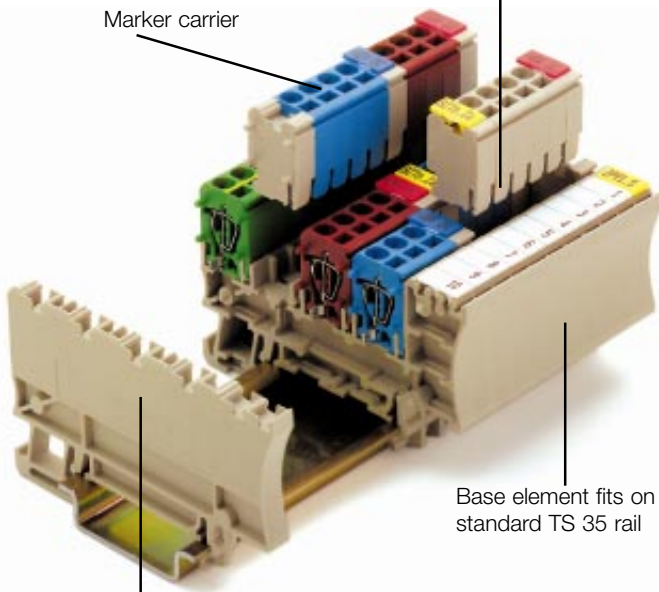
- ZPV 1.5 is modular.
You determine the number of poles you need on-site.
- Cross-connections are built in.
- Rearrange the block whenever you need - in seconds.
- Ultra-compact TOP connection thanks to tension-clamp.
This permits easy wiring, even in tight spaces.
- And, there's room in even the smallest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

Built-in cross-connection eliminates bridging.



Each element contains built-in cross connection, on one side the male connector, on the other the female.

Marker carrier

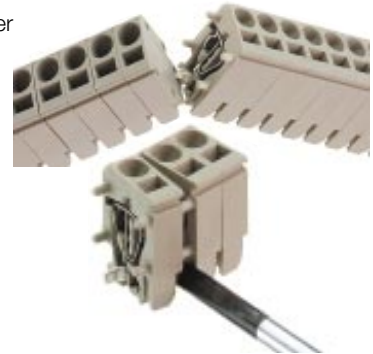


End plate, also used to mark banks of distribution elements

Base element fits on standard TS 35 rail

Easy to put together - and split apart

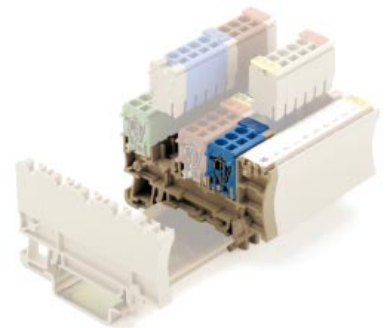
Simply snap off the number of poles you need - by hand or using a screw driver. Assembly errors can be rectified in seconds.



Familiar installation

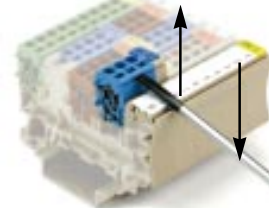
The ZPV 1.5 base elements (also supplied in strips of 20) snap easily onto a regular TS 35 rail. Each base element can take 4 parallel distributor elements. Like the entire ZIK-ZAK series, the elements simply snap onto the ZPV 1.5.

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.



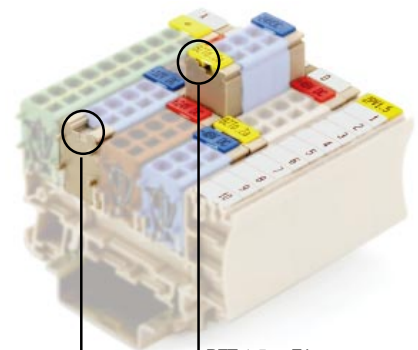
Flexible assembly

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 / dismounting of sections of the distribution row. Both markers are effective electrical separators.



BZT 1.5 ZA with lugs

BZT 1.5 o. ZA without lugs

ZPV 1.5
Variable-pole potential distributors
with built-in cross-connection

ZPV 1.5



ZVL 1.5



Dimensions

Width / length / height (mm) with TS 35 x 7,5  5,08/68 /38
Insulation stripping length/clamping screw/screwdriver blade - / - / -

Rated data

Rated data VDE 0611 Part 1/8.92 / IEC 947-7-1
Rated voltage / current / cross-section 250 V/17,5 A/1,5 mm²
Rated impulse voltage / pollution severity 4 kV/3

Further technical data

Clampable conductor mm²
solid H07V-U mm²
flexible H07V-K mm²
flexible H07V-K
and ferrules acc. DIN 46 228/1 mm²
flexible H07V-K
and ferrules with plastic insul. collar mm²

Clampability of two conductors

2 x flexible H05V-K 0,75 mm²
with twin ferrules (Cat. No. 901851)
and PZ4 Crimper (Cat. No. 901250)
oder PZ 6/5 Crimper (Cat. No. 901146)
Insulation stripping length = 11 ± 0,5 mm

Gauge pin to 947-1/1988 size 24 A / 2,5 mm²

Continuous current rating of terminal block for conductor size


UL / CSA rated data

Voltage / current / conductor size UL 300 V/10 A/ 26...14 AWG
Voltage / current / conductor size CSA 300 V/10 A/ 26...14 AWG

Ordering data

Type Wemid
Blue Wemid
Brown Wemid
Green Wemid

End plate / partition

 Wemid
Width / length / height (mm) 5,08/68/38

Marker carriers

 
BZT ZVL1,5 ZA BZT ZVL1,5 o.ZA

Screwdriver

Marking tags

for base element ZPV
marker carriers BZT ZVL 1,5
and for end plate ZAP/TW ZPV 1,5

Dimensions

Width / length / height (mm) 5,08/68 /38
Insulation stripping length/clamping screw/screwdriver blade - / - / -

Rated data

Rated data VDE 0611 Part 1/8.92 / IEC 947-7-1
Rated voltage / current / cross-section 250 V/17,5 A/1,5 mm²
Rated impulse voltage / pollution severity 4 kV/3

Further technical data

Clampable conductor mm²
solid H07V-U mm²
flexible H07V-K mm²
flexible H07V-K
and ferrules acc. DIN 46 228/1 mm²
flexible H07V-K
and ferrules with plastic insul. collar mm²

Clampability of two conductors

2 x flexible H05V-K 0,75 mm²
with twin ferrules (Cat. No. 901851)
and PZ4 Crimper (Cat. No. 901250)
oder PZ 6/5 Crimper (Cat. No. 901146)
Insulation stripping length = 11 ± 0,5 mm


Gauge pin to 947-1/1988 size 24 A / 2,5 mm²

Continuous current rating of terminal block for conductor size

UL / CSA rated data

Voltage / current / conductor size UL 300 V/10 A/ 26...14 AWG
Voltage / current / conductor size CSA 300 V/10 A/ 26...14 AWG

Ordering data

Type  Cat. No. Qty.
Wemid **167663** 100
Blue Wemid
Brown Wemid
Green Wemid

End plate / partition

Type Cat. No. Qty.
ZAP/TW ZPV1,5
Wemid **167465** 50
Width / length / height (mm) 5,08/68/38

Marker carriers

BZT ZVL 1,5 o.ZA
167662 100
BZT ZVL 1,5 ZA
167661 100

Screwdriver

Marking tags

ZGB15
ZGB30
ZS10/5
DEK 5
WS 8/5
WS 10/5
WS 12/5

Dimensions

Width / length / height (mm) 5,08/12,9/17,5
Insulation stripping length/clamping screw/screwdriver blade 8/-/-

Rated data

Rated data VDE 0611 Part 1/8.92 / IEC 947-7-1
Rated voltage / current / cross-section 250 V/17,5 A/1,5 mm²
Rated impulse voltage / pollution severity 4 kV/3

Further technical data

Clampable conductor mm²
solid H07V-U 0,13 ... 2,5
flexible H07V-K 0,5 ... 2,5
flexible H07V-K
and ferrules acc. DIN 46 228/1 0,5 ... 2,5
flexible H07V-K
and ferrules with plastic insul. collar 0,5 ... 1,5
mm²

Clampability of two conductors

2 x flexible H05V-K 0,75 mm²
with twin ferrules (Cat. No. 901851)
and PZ4 Crimper (Cat. No. 901250)
oder PZ 6/5 Crimper (Cat. No. 901146)
Insulation stripping length = 11 ± 0,5 mm


Gauge pin to 947-1/1988 size A 1

Continuous current rating of terminal block for conductor size 24 A / 2,5 mm²

UL / CSA rated data

Voltage / current / conductor size UL 300 V/10 A/ 26...14 AWG
Voltage / current / conductor size CSA 300 V/10 A/ 26...14 AWG

Ordering data

Type  Cat. No. Qty.
Wemid **164930** 100*
Blue Wemid **165036** 100*
Brown Wemid **165037** 100*
Green Wemid **169782** 100*

End plate / partition

Type Cat. No. Qty.
ZAP/TW ZPV 1,5
Wemid **167465** 50
Width / length / height (mm) 5,08 / 68 / 38

Marker carriers

BZT ZVL 1,5 o.ZA
167662 100
BZT ZVL 1,5 ZA
167661 100

Screwdriver

Marking tags

SD 0,6x3,5x100 **902423** 1

2

*) pre-assembled in 20-pole strips

SAI distributor family



SAI module family

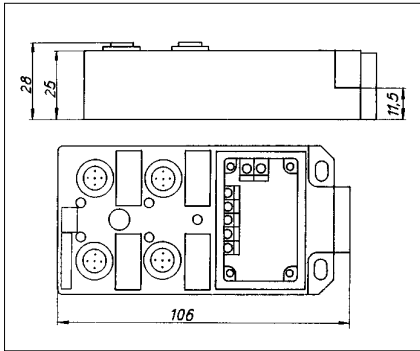
The SAI module joins sensor/actuator cables in the simplest and most rational method. The almost standardised circular connectors allow components to be installed by simply plugging them together. If an initiator fails, a replacement can therefore be easily installed due to easy access. This can be performed 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

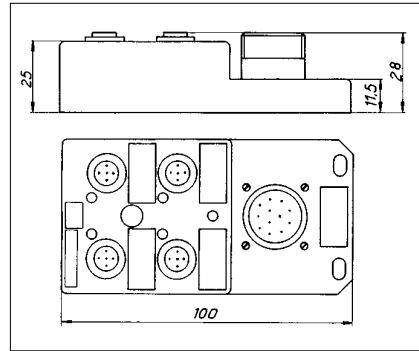


Type SAI-4-K
Cat. No. 945603

SAI-S

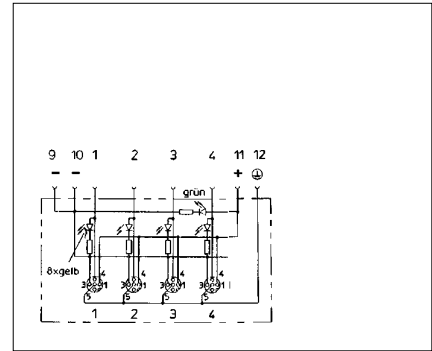
12-pole plug connector for bus line

Dimensions and catalogue numbers

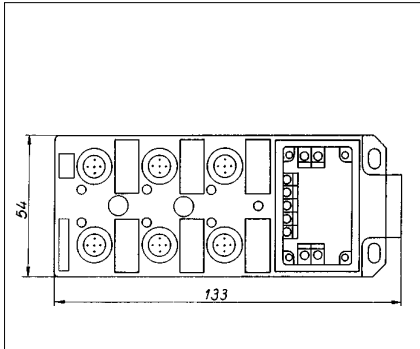


Type SAI-4-S
Cat. No. 945600

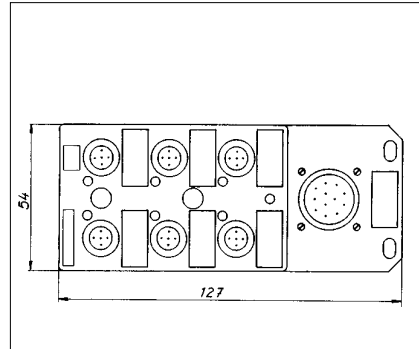
Pin layout



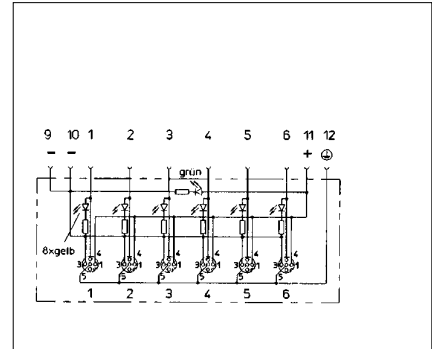
SAI-4...



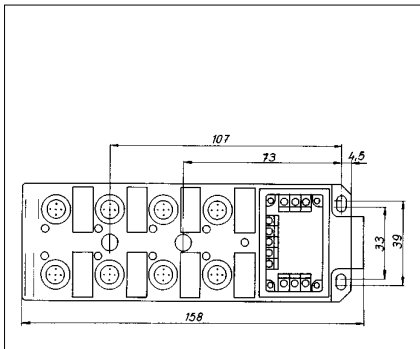
Type SAI-6-K
Cat. No. 945604



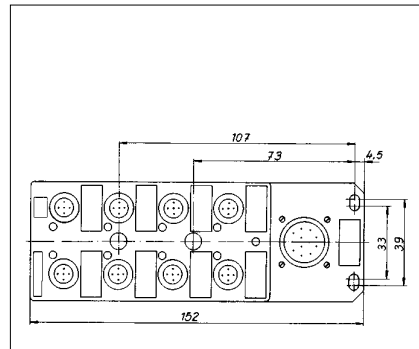
Type SAI-6-S
Cat. No. 945601



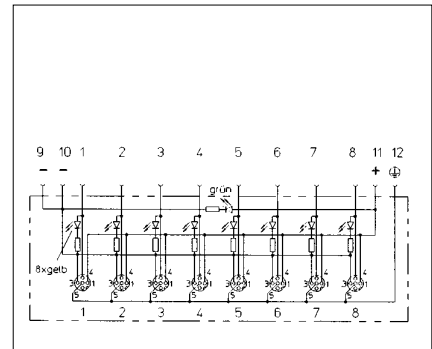
SAI-6...



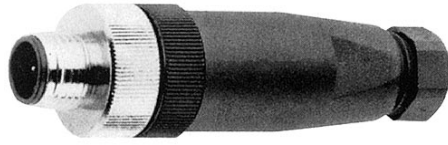
Type SAI-8-K
Cat. No. 945606



Type SAI-8-S
Cat. No. 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.

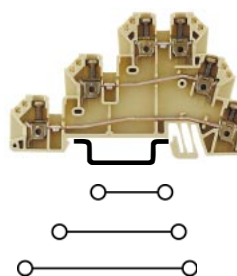
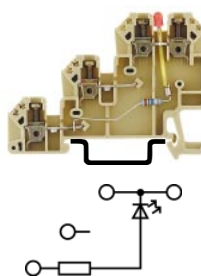
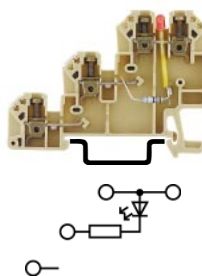
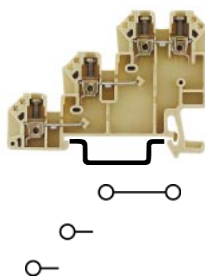
Feed-through terminals for initiators and actuators

DLI 2.5

DLI 2.5 LD PNP

DLI 2.5 LD NPN

DLD 2.5



Dimensions

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

6/65/49	6/65/49	6/65/49	6/82/49
7 mm/M 2,5/3,5 x 0,6	7 mm/M 2,5/3,5 x 0,6	7 mm/M 2,5/3,5 x 0,6	7 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/20 A/2,5 mm ²	5-30 V-/20 A/2,5 mm ²	5-30 V-/20 A/2,5 mm ²	250 V/24 A/2,5 mm ²
Rated impulse voltage / pollution severity	4 kV/3	0,8 kV/3	0,8 kV/3	4 kV/3

Further technical data

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

Clampable conductor

solid H07V-U	mm ²	0,5...4	0,5...4	0,5...4	0,5...4
stranded H07V-R	mm ²	0,5...4	0,5...4	0,5...4	0,5...4
flexible H07V-K	mm ²	0,5...2,5	0,5...2,5	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	0,5...2,5	0,5...2,5
Plug gauge according to 947-1	Size	A 3	A 3	A 3	A 3
Continuous current of terminal block for conductor size		20 A/2,5 mm ²	20 A/2,5 mm ²	20 A/2,5 mm ²	20 A/2,5 mm ²
Continuous current rating of cross-connection 2...5-pole	A	(Q 2...10) 20	(Q 2...10) 20	(Q 2...10) 20	(Q 2...10) 20
Continuous current rating of cross-connection 6...10-pole	A				

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

Ordering data

	Standard	Cat. No.	Qty.		Cat. No.	Qty.		Best.-Nr.	Qty.		Cat. No.	Qty.
		131336	100								131706	50
	With diode 1N4007				157851	100		157855	100			
	With LED rot (5...30 V)				157852	100		157856	100			
	With LED grün (5...30 V)											
	With LED and Diode 1N4007											
	With LED and Diode 1N4007											
	Block of 10 ¹⁾	(w/o dekafix) 141136	10	(LED red) 157853	10							
	Block of 10 ¹⁾	(with dekafix) 157907	10	(LED green) 157854	10							

End plate/partition



AP-DLI	AP-DLD	Teil-AP	TSch 1
(thickness 1.5 mm)			

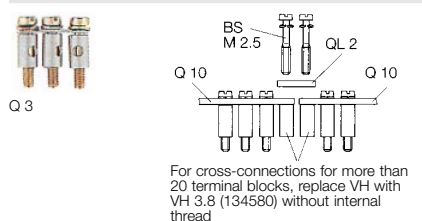
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP	131326	20	AP	131326	20	AP	131326	20	AP	131766	20
TSch 1	031916	100	TSch 1	031916	100	TSch 1	031916	100	TSch 1	031916	100

Test plug/socket



PS 2.3	StB 8.5	StB 8.5* (ø 2,3) 021570	50	StB 8.5* (ø 2,3) 021570	50
		PS 2.3 018040	20	PS 2.3 018040	20

Cross-connection



Q 2	131250	50	Q 2	131250	50	Q 2	131250	50	Q 2	131250	50
Q 3	131260	50	Q 3	131260	50	Q 3	131260	50	Q 3	131260	50
Q 4	131270	50	Q 4	131270	50	Q 4	131270	50	Q 4	131270	50
Q 10	131310	20	Q 10	131310	20	Q 10	131310	20	Q 10	131310	20
Q 20	139980	20	Q 20	139980	20	Q 20	139980	20	Q 20	139980	20
QL 2	029720	100	QL 2	029720	100	QL 2	029720	100	QL 2	029720	100
VH 3.8	134580	100	VH 3.8	134580	100	VH 3.8	134580	100	VH 3.8	134580	100

Group marking



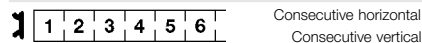
WT 4	134106	100	WT 4	134106	100	WT 4	134106	100	WT 4	134106	100
SF 10	033240	1000	SF 10	033240	1000	SF 10	033240	1000	SF 10	033240	1000
SG 10	033250	1000	SG 10	033250	1000	SG 10	033250	1000	SG 10	033250	1000

Cover



ADP	048540	-	ADP	048540	-	ADP	048540	-	ADP	048540	-
HP 4	048586	20	HP 4	048586	20	HP 4	048586	20	HP 4	048586	20

Marking tags

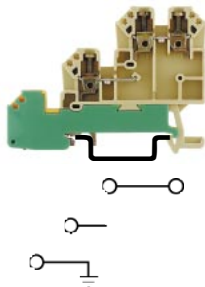


FW 6	046866	-	FW 6	046866	-	FW 6	046866	-	FW 6	046866	-
FS 6	046876	-	FS 6	046876	-	FS 6	046876	-	FS 6	046876	-

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

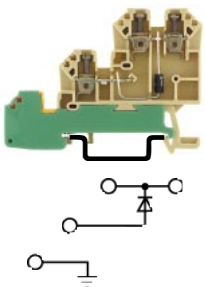
¹⁾ DLI 2.5/35/10 = Block of 10 with built-in cross-connections * Only in upper busbar

DLA 2.5



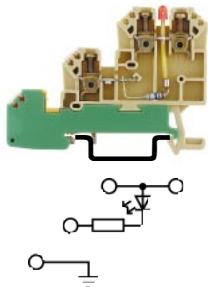
6/65/49
7 mm/M 2,5/3,5 x 0,6

DLA 2.5/D



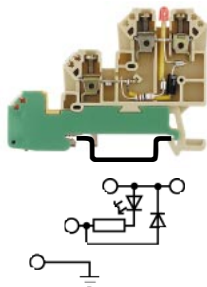
6/65/49
7 mm/M 2,5/3,5 x 0,6

DLA 2.5/LD



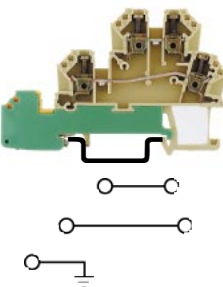
6/65/49
7 mm/M 2,5/3,5 x 0,6

DLA 2.5/LD/D



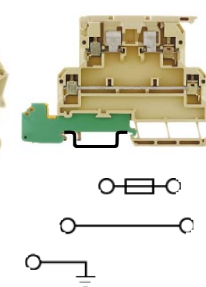
6/65/49
7 mm/M 2,5/3,5 x 0,6

DLD 2.5/PE



6/74,5/49
7 mm/M 2,5/3,5 x 0,6

KDKS 1/PE



8/91/65
9 mm/M 3/M 2.5**/3,5 x 0,6

250 V**/17,5 A/2,5 mm²
4 kV/3
0,4...0,7
1
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A 3
20 A/2,5 mm²
(Q 2...20) 20

250 V**/17,5 A/2,5 mm²
4 kV/3
0,4...0,7
1
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A 3
20 A/2,5 mm²
(Q 2...20) 20

5-30 V/17,5 A/2,5 mm²
0,8 kV/3
0,4...0,7
1
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A 3
20 A/2,5 mm²
(Q 2...20) 20

5-30 V/17,5 A/2,5 mm²
0,8 kV/3
0,4...0,7
1
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A 3
20 A/2,5 mm²
(Q 2...20) 20

250 V**/17,5 A/2,5 mm²
4 kV/3
0,4...0,7
1
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A 3
20 A/2,5 mm²
(Q 2...20) 20

500 V/6,3 A/4 mm²
6 kV/3
0,5...1/0,4...0,7***
2/1***
0,5...4
0,5...4/2,5***
0,5...4/2,5***
A 4 / A 3***

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

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

300 V/10 A/26...12 AWG
5-30 V/10 A/26...12 AWG

300 V/10 A/26...12 AWG
5-30 V/10 A/26...12 AWG

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

Cat. No. Qty.
156597 100

Cat. No. Qty.
157840 100

Cat. No. Qty.
157843 100
157844 100

Cat. No. Qty.
157847 100
157848 100
157849 100
157850 100

Cat. No. Qty.
159595 100

Cat. No. Qty.
952811 50

(w/o dekafix) **157838** 10
(with dekafix) **157839** 10

Type Cat. No. Qty.
AP **131326** 20

Type Cat. No. Qty.
AP **131326** 20

Type Cat. No. Qty.
AP **131326** 20

Type Cat. No. Qty.
AP **131326** 20

Type Cat. No. Qty.
AP **159596** 20
AP (part-AP) **159597**

Type Cat. No. Qty.
AP **950333** 50

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

5 x 20 without indicator

StB 8,5* (ø 2,3) **021570** 50
PS 2.3 **018040** 20

StB 8,5* (ø 2,3) **021570** 50
PS 2.3 **018040** 20

Q 2 **131250** 50
Q 3 **131260** 50
Q 4 **131270** 50
Q 10 **131310** 20
Q 20 **139980** 20

Q 2 **131250** 50
Q 3 **131260** 50
Q 4 **131270** 50
Q 10 **131310** 20
Q 20 **139980** 20

Q 2 **131250** 50
Q 3 **131260** 50
Q 4 **131270** 50
Q 10 **131310** 20
Q 20 **139980** 20

Q 2 **131250** 50
Q 3 **131260** 50
Q 4 **131270** 50
Q 10 **131310** 20
Q 20 **139980** 20

Q 2 **131250** 50
Q 3 **131260** 50
Q 4 **131270** 50
Q 10 **131310** 20
Q 20 **139980** 20

QB 2 **046110** 50
QB 3 **046120** 50
QB 4 **046130** 50

QL 2 **029720** 100
VH 3.8 **134580** 100

QL 2 **029720** 100
VH 3.8 **134580** 100

QL 2 **029720** 100
VH 3.8 **134580** 100

QL 2 **029720** 100
VH 3.8 **134580** 100

QL 2 **029720** 100
VH 3.8 **134580** 100

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

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

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

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

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

ADP **048540** -
HP 4 **048586** 20

ADP **048540** -
HP 4 **048586** 20

ADP **048540** -
HP 4 **048586** 20

ADP **048540** -
HP 4 **048586** 20

ADP **048540** -
HP 4 **048586** 20

FW 6 **046866** -
FS 6 **046876** -

FW 6 **046866** -
FS 6 **046876** -

FW 6 **046866** -
FS 6 **046876** -

FW 6 **046866** -
FS 6 **046876** -

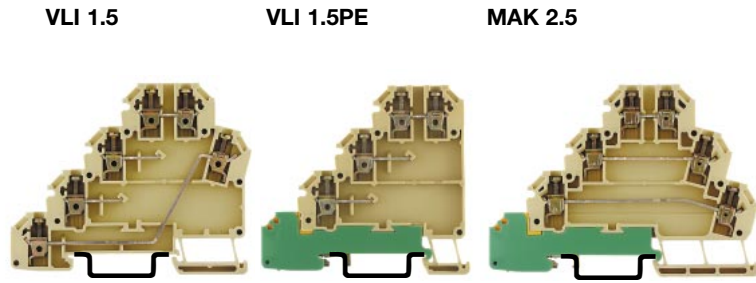
FW 6 **046866** -
FS 6 **046876** -

FW 8 **127696** -
FS 8 **128966** -

** If the cross-connection runs via the PE connection of the DLA, or if a pole is generally skipped, the nominal voltage is reduced to 30 Vac

*** for PE connection

Feed-through terminals for initiators and motors



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

End plate / partition

End plate	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Partial end plate for VLI 1.5 – MAK 2.5 combination	AP VLI1.5	163326	20	AP VLI1.5/PE	163332	20	AP MAK2.5	161528	20
Partial end plate for VLI 1.5 – VLI 1.5 PE combination	TEAP 2 MAK2.5	163333	20	TEAP VLI1.5	163327	20	TEAP 2 MAK2.5	163333	20
Partial end plate for VLI 1.5 PE – MAK 2.5 combination	TEAP VLI1.5	163327	20	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-pole, external cross-connection							QB 25 SW*	052000	20
							QB 25 RT*	052006	20
							QB 25 BL*	052008	20



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

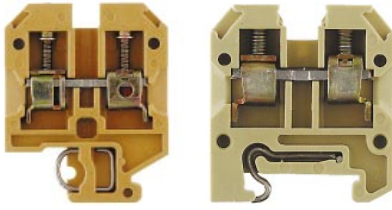
	Consecutive horizontal	FW 5	047346	-	FW 5	047346	-	FW 5	047346	-
	Consecutive vertical	FS 5	047356	-	FS 5	047356	-	FS 5	047356	-

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.

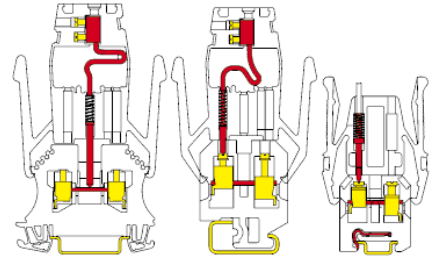
Test plugs

2.3 or 4 mm \varnothing test plugs are available for measurement and test operations .

Designation

Incoming and outgoing cables can be labelled using various marking systems, e.g. dekafix, snap-on tags, etc.

Test adapters



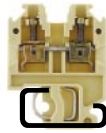
Safe testing of wired terminal blocks is a basic requirement for fault-free functional sequences. The WTA..., STA..., ATA... test adapter systems for individual terminal block ranges are not only characterised by their quick and easy handling, but also offer other advantages:

- conductor decoupling between the test probe and the test conductor prevents that the test probe is pulled out when the cable is pulled (except for WTA /5... and ATA)
 - spring-loaded test contacts ensure reliable connection and a low contact impedance
 - locating hooks on both sides ensure firm seating, even when cross-connections are fitted
 - the modular concept enables the construction of individual test units
 - single-pole test adapters can be interconnected; strain relief and clear marking options complement the systems
- Naturally, customary **sockets** can also be used whose test pick-off is performed by spring-loaded **test plugs**. This option applies even when cross-connections are fitted.

Feed-through terminals

(See page 3/14 for test adapter systems)

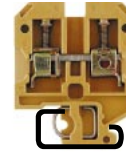
SAKD 2.5 N



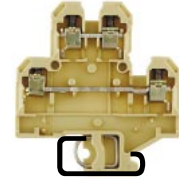
SAK 2.5



SAK 4



DK 4 Q*



Dimensions

Width / length / height (mm) with TS 32	5/32,5/43,5	6/36,5/46,5	6,5/40/51,5	6/54/60
Insulation stripping length/clamping screw/screwdriver blade	10/M 2,5/3,5 x 0,6	10/M 2,5/3,5 x 0,6	12/M 3/3,5 x 0,6	9/M 3/3,5 x 0,6

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

Rated voltage / current / cross-section	500 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²	800 V/32 A/4 mm ²	500 V/2 x 32 A/4 mm ²
Rated impulse voltage / pollution severity	6 kV/3	8 kV/3	8 kV/3	6 kV/3

Further technical data

Tightening torque range	Nm 0,4...0,7	0,4...0,6	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver	1	1	2	2

Clampable conductor

solid H07V-U	mm ² 0,5...4	0,5...6	0,5...6	0,5...4
stranded H07V-R	mm ² 0,5...4	0,5...2,5	0,5...4	1,5...4
flexible H07V-K	mm ² 0,5...4	0,5...4	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm ² 0,5...4	0,5...2,5/4 ⁴⁾	0,5...4	0,5...4
Plug gauge according to 947-1	Size A 2	A 3	A 4	A 3
Continuous current of terminal block for conductor size	30 A/4 mm ²	32 A/4 mm ²	41 A/6 mm ²	32 A/4 mm ²
Continuous current rating of cross-connection 2...5-pole	A 20	24	32	20
Continuous current rating of cross-connection 6...10-pole	A 20			20

Technical data

Voltage / current / conductor size	UL 300 V/20 A/22...12 AWG	600 V/20 A/22...12 AWG	600 V/20 A/22...12 AWG	300 V/27 A/22...12 AWG
Voltage / current / conductor size	CSA 300 V/20 A/22...12 AWG	600 V/25 A/26...10 AWG	600 V/36 A/26...10 AWG	300 V/10 A/26...12 AWG

Ordering data

Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG		027962	100		012832	100			
Blue KrG		027967	100		012837	100			
KrS		027963	100		012833	100			
PA	021556	027966 ¹⁾²⁾	100	171624 ¹⁾³⁾	012836 ¹⁾²⁾	100		059006 ¹⁾	100
Blue PA	021558	027968 ¹⁾³⁾	100	027968 ¹⁾²⁾	012838 ¹⁾²⁾	100		059008 ¹⁾	100
Orange PA		026964 ¹⁾³⁾	100	132636 ¹⁾²⁾	010506 ¹⁾²⁾	100			
Terminal block with Bez. PA	040106		10	032256 ¹⁾		10		132386 ¹⁾	10
Terminal block without Bez. PA	040116		10	032286 ¹⁾		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)	027952	20	AP (1,5)	011792	20			
Blue KrG			AP (1,5)	027957	20	AP (1,5)	011797	20			
KrS			AP (1,5)	027953	20	AP (1,5)	011793	20			
PA	AP (1,5) 015096	20	AP (1,5) 6	046056	20	AP (1,5)	011796	20	AP (1,5)	139716	20
Blue PA	AP (1,5) 019188	20	AP (1,5) 8	027956	20	AP (1,5)	011798	20	AP (1,5)	139718	20
PA			AP (1,5) 8	027958	20						
Blue PA											

Partition (thickness mm)



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG			TW (2,5)	030282	20	TW (2,5)	013012	20			
Blue KrG			TW (2,5)	030287	20	TW (2,5)	010317	20			
KrS			TW (2,5)	030283	-	TW (2,5)	013013	20			
PA	TW (1,5) 019186	20	TW (1,5)	030286	20	TW (1,5)	013016	20	WTW (Ex)	105880	20
Blue PA	TW (1,5) 019188	20	TW (1,5)	030288	20	TW (1,5)	013018	20			
HP	TW (1,5) 030750	20	TW (1,0)	029710	20	TW (1,0)	019710	20	TW (2,0)	060700	20

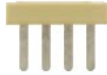
Small partition



TSch 6

TSch 1	031916	100	TSch 1	031916	100	TSch 6	019026	100
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Cross-connection



Q 4

QB 4

2-pole	Q 2 036780	50	Q 2	033700	50	Q 2	033670	50	Q 2	033640	50
3-pole	Q 3 036790	50	Q 3	033710	50	Q 3	033680	50	Q 3	033650	50
4-pole	Q 4 036800	50	Q 4	033720	50	Q 4	033690	50	Q 4	033660	50
10-pole	Q 10 036810	20	Q 10	036870	20	Q 10	036880	20	Q 10	036860	20
2-pole									QB 2	048270 **	100
3-pole									QB 3	048280 **	50
4-pole									QB 4	048290 **	50

Switchable cross-connection link



VL 2

BS

VH

VL 2	019700	100	VL 2	044670	50
VH	028510	50	VH	105650	100
BS	029250	100	BS	034310	100

Marking tags

Print



Consecutive horizontal	FW 5 047346	-	FW 6 046866	-	FW 6,5 046816	-	FW 6 046866	-
Consecutive vertical	FS 5 047356	-	FS 6 046876	-	FS 6,5 046826	-	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

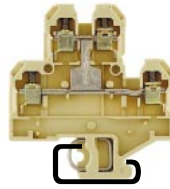
²⁾ Not suitable for SST 3 safety pin

⁴⁾ Cat. No. **027966** und **027968**

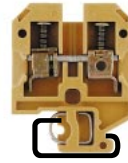
Feed-through terminals

(See page 3/14 for test adapter systems)

DK 4 QV*



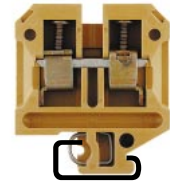
SAK 6 N



SAK 10



SAK 16



Dimensions

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

6/54/60
 9 mm/M 3/3,5 x 0,6

8/40/51,5
 12 mm/M 3,5/4,0 x 0,8

10/40/51,5
 12 mm/M 4/5,5 x 1,0

12/50/57,5
 15 mm/M 4/5,5 x 1,0

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

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

500 V/32 A/4 mm²
 6 kV/3

800 V/41 A/6 mm²
 8 kV/3

800 V/57 A/10 mm²
 8 kV/3

1000 V/76 A/16 mm²
 8 kV/3

Further technical data

Tightening torque range Nm
 Torque setting with DMS 2 electric screwdriver

0,5...1,0
 2

0,8...1,6
 3

2,0
 4

2,0...2,4
 4

Clampable conductor

solid H07V-U 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
 1,5...4
 0,5...4
 0,5...4
 A 3
 35 A/4 mm²
 20
 20

0,5...10
 0,5...6
 0,5...10
 0,5...6
 A 5
 41

1,5...10
 2,5...16
 1,5...16
 1,5...10
 B 6
 76 A/16 mm²
 57

2,5...10
 4...16
 4...16
 4...16
 B 6

UL / CSA rated data

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

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

600 V/40 A/22...8 AWG
 600 V/47 A/20...8 AWG

600 V/60 A/14...6 AWG
 600 V/65 A/14...6 AWG

600 V/80 A/12...4 AWG
 600 V/87 A/10...4 AWG

Ordering data

Version Cat. No. Qty.
 KrG
 Blue KrG
 KrS
 PA
 Blue PA
 Orange PA
 Terminal block with Bez.
 Terminal block without Bez.

Cat. No. Qty.
 019322 100
 019323 100
 019326¹⁾ 100
 059026¹⁾ 100
 019328¹⁾ 100
 032276¹⁾ 10
 030896¹⁾ 10

Cat. No. Qty.
 019322 100
 019323 100
 019326¹⁾ 100
 019328¹⁾ 100
 032276¹⁾ 10
 030896¹⁾ 10

Cat. No. Qty.
 011002²⁾ 100
 011007 100
 011003 100
 011006¹⁾ 100
 011008¹⁾ 100
 035326¹⁾ 10
 035316¹⁾ 10

Cat. No. Qty.
 027102 50
 011007 100
 011003 100
 027103 50
 011006¹⁾ 100
 027106¹⁾ 50
 011008¹⁾ 100
 027108¹⁾ 50

End plate (thickness mm)



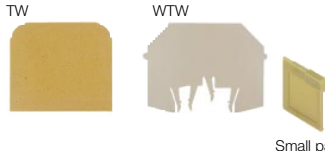
Type Cat. No. Qty.
 KrG
 Blue KrG
 KrS
 PA
 Blue PA

Type Cat. No. Qty.
 AP (1,5) 011792 20
 AP (1,5) 011797 20
 AP (1,5) 011793 20
 AP (1,5) 011796 20
 AP (1,5) 011798 20

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 (3,0) 027112 20
 AP (3,0) 027113 20
 AP (1,5) 027116 20
 AP (1,5) 027118 20

Partition (thickness mm)



Type Cat. No. Qty.
 KrG
 Blue KrG
 KrS
 PA
 Blue PA
 TW (2,0)
 TSch 6

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

Type Cat. No. Qty.
 TW (1,5) 013012 20
 TW (1,5) 013017 20
 TW (1,5) 013013 20
 TW (1,5) 013016 20
 TW (1,5) 013018 20
 TW (1,5) 019710 20
 TSch 1

Type Cat. No. Qty.
 TW (3,0) 028112 20
 TW (3,0) 028113 20
 TW (1,5) 030366 10
 TW (1,5) 030368 10
 TW (2,0) 060700 20
 TSch 1

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
 QB 2 048270** 100
 QB 3 048280** 50
 QB 4 048290** 50

Q 2 045670 50
 Q 3 045680 50
 Q 4 045690 50
 Q 10 045700 20

Q 2 045710 50
 Q 3 045720 50
 Q 4 045730 50
 Q 10 045740 20

Q 2 045750 50
 Q 3 045760 50
 Q 4 045770 50
 Q 10 045780 20

Cover

AD 4 030340 50
 BSK M 2,5 x18 030330 100

AD 4 019660 50
 BSK M 3 x 22 012890 100

AD 4 017860 50
 BSK M 3 x 22 012890 100

AD 4 051820 50
 BSK M 3 x 22 012890 100

Switchable cross-connection link



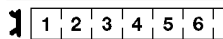
VL 2 044670 50
 VH 105650 100
 BS 034310 100

VL 2 019470 50
 VH 028510 50
 BS 029250 100

VL 2 013590 50
 VH 028510 50
 BS 029250 100

VL 2 013580 50
 VH 028510 50
 BS 029250 100

Marking tags



FW 6 046866 -
 FW 6 046876 -

FW 8 127696 -
 FS 8 128966 -

FW 5 047346 -
 FS 5 047356 -

FW 5 047346 -
 FS 5 047356 -

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

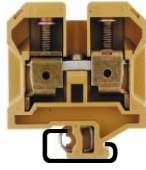
* Accepts LS 2.8 shield lugs Cat. No. 105640

** Max. 2.5 mm² conductor connection when using QB

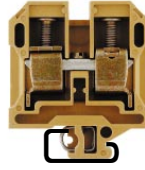
¹⁾ Contact-proof with ADP 4 cover profile (see page 3/23)
²⁾ See page 2/715 for ceramic terminals

Feed-through terminals

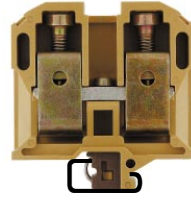
SAK 35 N



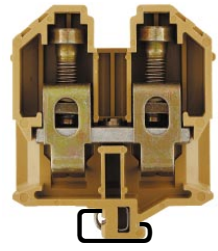
SAK 35




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
 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

2,5...16
 2,5...50
 2,5...35
 2,5...35
 B 8
 138 A/35 mm²
 65
 65

6...10
 16...50
 10...35
 10...35
 B 9
 138 A/35 mm²
 65
 65

16
 16...70
 16...70
 16...35
 B 11
 213 A/70 mm²
 180

10...16
 10...120
 10...95
 10...35
 B 12
 258 A/120 mm²
 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

Version
 KrG
 Hexagon socket KrG
 Hexagon socket blue KrG
 KrS
 Hexagon socket KrS
 PA
 Hexagon socket PA
 Blue PA
 Terminal block with marking
 Terminal block without marking

Type	Cat. No.	Qty.
	055062	20
	055572	20
		
	055063	20
	055573	20
	055066	20
	055576	20
		
		
		

Type	Cat. No.	Qty.
	030352	20
	047652	20
		
	030353	20
	030356	20
	047656	20
	030358	20
		
		
		

Type	Cat. No.	Qty.
		
	034082	10
	034087	10
		
	034083	10
		
		
		
		
		

Type	Cat. No.	Qty.
		
	055052	10
		
		
		
		
		
		
		
		

End plate (thickness mm)



Type	Cat. No.	Qty.
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.
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.
KrG	AP (4,0) 034092	10
Blue KrG		
KrS	AP (4,0) 034093	10
PA	AP (2,0) 034096	10
Blue PA		
Orange PA		

Type	Cat. No.	Qty.
KrG	AP (3,0) 055092	10
Blue KrG		
KrS	AP (3,0) 055097	10
PA		
Blue PA		
Orange PA		

Partition (thickness mm)



Type	Cat. No.	Qty.
KrG	TW (3,0) 030432	10
Blue KrG		
KrS	TW (3,0) 030433	10
PA	TW (1,5) 030436	10
Blue PA		

Type	Cat. No.	Qty.
KrG	TW (3,0) 030432	10
Blue KrG		
KrS	TW (3,0) 030433	10
PA	TW (1,5) 030436	10
Blue PA		

Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA		
Blue PA		

Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA		
Blue PA		

Cross-connection



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

Type	Cat. No.	Qty.
2-pole	QL 2 034530	20
3-pole	QL 3 016700	20
4-pole		
10-pole		
	VH 30,5 034550	20
	BS M 5x45 034560	20
	SS M 5 034610	100



Type	Cat. No.	Qty.
2-pole		
3-pole		
4-pole		
10-pole		
	VH 35 055110	10
	BS M 5x50 063020	20

Type	Cat. No.	Qty.
2-pole	055120	10
3-pole		
4-pole		
10-pole		

Switchable cross-connection link



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.

Type	Cat. No.	Qty.

Cover / Test plug



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	
	BSK M 5x45 034440	50
	PS 4 029960	20

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

Type	Cat. No.	Qty.
	PS 4 029960	20

Marking tags



Type	Cat. No.	Qty.
Consecutive horizontal	FW 5 047346	
Consecutive vertical	FS 5 047356	



Type	Cat. No.	Qty.
Consecutive horizontal	FW 5 047346	
Consecutive vertical	FS 5 047356	

Type	Cat. No.	Qty.
Consecutive horizontal	FW 5 047346	
Consecutive vertical	FS 5 047356	

Type	Cat. No.	Qty.
Consecutive horizontal	FW 5 047346	
Consecutive vertical	FS 5 047356	

Type	Cat. No.	Qty.
Consecutive horizontal	FW 5 047346	
Consecutive vertical	FS 5 047356	

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

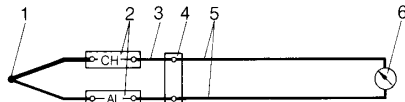
*** For hexagon socket

Feed-through terminals for thermocouples

Busbars made from thermocouple material according to DIN IEC 584

Weidmüller **thermocouple terminals** are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

I. Configuration of a temperature measuring circuit



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

The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple.

Thermocouple terminals are required for the construction of temperature measuring circuits; SAK 2.5 NiCr for the positive and SAK 2.5 Ni for the negative voltage branches.

II. Symbols Thermocouples according to IEC 584 DIN 43710

Terminal designation	Busbar material trade name
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)	Alumel
d) (Type E)	
NiCr (positive leg)	Chromel
CuNi (negative leg)	Constantan

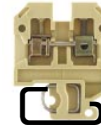
Dimensions

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

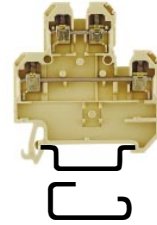
Technical data/VDE

Nominal voltage/nominal current
nominal cross-section

SAK 2.5 TC



DK 4 TC



6/36,5/49,5
10 mm/M 2,5/3,5 x 0,6

6/54/59,5
9 mm/M 3/3,5 x 0,6

—/—
2,5 mm²

—/—
4 mm²

Ordering data

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

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

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

End plate (thickness mm)



KrG
Blue KrG
KrS
PA
Blue PA
Orange PA

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

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

Partition (thickness mm)



KrG
Blue KrG
KrS
PA
WEM
for TS 32 HP

Type	Cat. No.	Qty.
TW (1,5)	030286	20

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

Marking material

	1	2	3	4	5	6	Consecutive horizontal	FW 6	046866	—
	1	2	3	4	5	6	Consecutive vertical	FS 6	046876	—

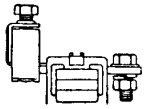
FW 6	046866	—	FW 6	046866	—
FS 6	046876	—	FS 6	046876	—

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

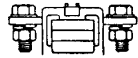
The Weidmüller SAKG range offers the following connection variants:

- clamping yoke connection, Version III. The stripped conductor can be connected without further preparation.
- flat lug, Version II. Two types of threading are provided here.
 - a) screw set with lock nut
 - b) with thread in busbar
- clamping yoke/flat lug as a combination, Version I.

Versions



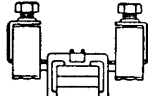
Version I



Version II
without thread



Version II
with thread

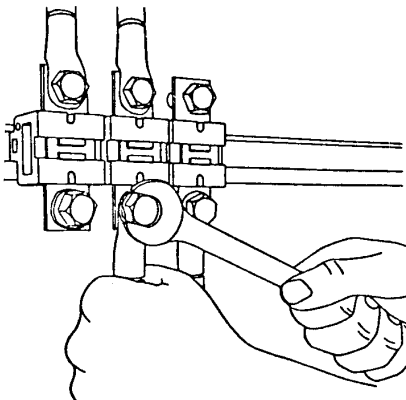


Version III

Cables with cable lugs are connected to SAKG terminals of Version I and to SS stud terminals.

Fitting instructions for SAKG terminals

When tightening the clamping screw, it is recommended that the conductor be held against the direction of tightening to prevent deformation of the mounting rail and so as not to place the terminal foot under undue torsional forces.



Cover

To ensure shock protection following connection of **conductors**, **AH** covers can be clipped onto the terminal.

Dimensions

Width / length / height (mm) with TS 32 28/70/63,5
 Insulation stripping length/clamping screw/screwdriver blade 15 mm/M 6/-

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

Rated voltage / current / cross-section 1000 V*/125 A/35 mm²
 Rated impulse voltage / pollution severity 8 kV/3

Further technical data

Tightening torque range Nm 3...6
 Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm² 6...35
 stranded H07V-R mm² 6...35
 flexible H07V-K mm² 10...35
 flexible H07V-K and AEH DIN 46 228/1 mm² 6...35
 Plug gauge according to 947-1 Size B 9

Continuous current of terminal block for conductor size 135 A/50 mm²
 Continuous current rating of cross-connection 2...5-pole A (QL 2) 110
 Continuous current rating of cross-connection 6...10-pole A (QL 2) 110

UL / CSA rated data

Voltage / current / conductor size UL 600 V/95 A/2 AWG
 Voltage / current / conductor size CSA 600 V/110 A/6...1 AWG

Ordering data

Type KrG

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

28/70/53
 -/M 6/-

1000 V*/125 A/35 mm²
 8 kV/3

1000 V*/125 A/35 mm²
 8 kV/3

3...6

3...6

6...35
 6...35
 10...35
 6...35
 B 9

6...35
 6...35
 10...35
 6...35
 B 9

135 A/50 mm²
 (QL 2) 110

135 A/50 mm²
 (QL 2) 110

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

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

Type Cat. No. Qty.
 017002 10

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

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

Partition, Hard paper (thickness mm)



Tropic-proof

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

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

Cross-connection



2-pole
 3-pole
 4-pole

Type	Cat. No.	Qty.
QL 2	019390	5
QL 3	040760	5
QL 4	040770	5

Type	Cat. No.	Qty.
QL 2	019390	5
QL 3	040760	5
QL 4	040770	5

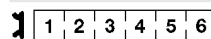
Cover



Type	Cat. No.	Qty.
AH 28	032666	5

Type	Cat. No.	Qty.
AH 28	032666	5

Marking tags



Print
 Consecutive horizontal
 Consecutive vertical

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

Type	Cat. No.	Qty.
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.

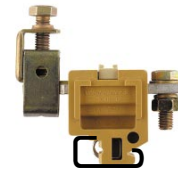
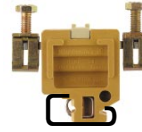
Feed-through terminals

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
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			
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		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
KrG		018502	10		017082	10		028662	10
Two clamping yokes KrG								017042	10

End plate, Hard paper (thickness mm)



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
EP 1 (2)	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)



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



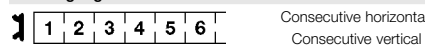
2-pole	QL 2	019390	5	QL 2	019400	5	QL 2	019400	5
3-pole	QL 3	040760	5	QL 3	044150	5	QL 3	044150	5
4-pole	QL 4	040770	5	QL 4	044160	5	QL 4	044160	5

Cover



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



Print	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

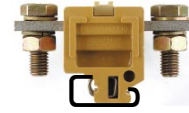
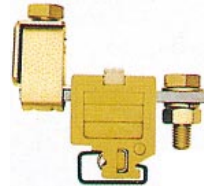
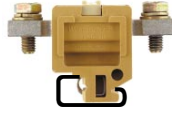
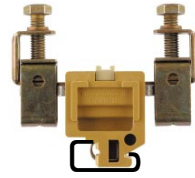
SAKG 32 III

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 mm²
8 kV/3
6...12

1000 V*/150 A/50 mm²
8 kV/3
6...12

1000 V*/192 A/70 mm²
8 kV/3
6...12

1000 V*/232 A/95 mm²
8 kV/3

1000 V*/232 A/95 mm²
8 kV/3
10...20

1000 V*/232 A/95 mm²
8 kV/3
10...20

168 A/70 mm²

10...70
10...70
10...70
10...35
B 11
192 A/70 mm²

220 A/70 mm²
(QL 2) 170

10...95
10...35
10...95
10...35
B 12
250 A/95 mm²
(QL 2) 250

250 A/95 mm²
(QL 2) 250

250 A/95 mm²
(QL 2) 250

600 V/170 A/1...2/0 AWG
Cat. No. Qty.
018512 10

600 V/165 A/3 AWG
600 V/185 A/1...2/0 AWG
Cat. No. Qty.
028672 10

600 V/200 A/2/0...4/0 AWG
Cat. No. Qty.
015042 10

600 V/195 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG
Cat. No. Qty.
028682 10

600 V/230 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG
Cat. No. Qty.
017052 10

600 V/230 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG
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 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.

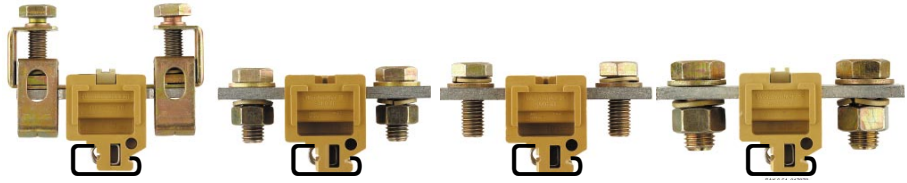
Feed-through terminals

SAKG 40 III


SAKG 46 II

SAKG 46 II G

SAKG 54 II



Dimensions

Width / length / height (mm)	with TS 32 	40/100/84	46/106/55	46/106/57,5	54/122/57
Insulation stripping length/clamping screw/screwdriver blade		27 mm/M 10/-	-/M 12/-	-/M 12/-	-/M 16/-

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

Rated voltage / current / cross-section	1000 V/232 A/95 mm 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.
		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	QL 2	024700	5	QL 2	024700	5	QL 2	026440	5
3-pole	QL 3	044440	5	QL 3	044440	5	QL 3	040800	5
4-pole	QL 4	044450	5	QL 4	044450	5	QL 4	024740	5


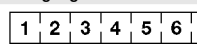
Cover



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

Print

		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 54 II G

SAKG 46/I AL



54/122/60			46/112/74						
-/M 16/-			23 mm/M 12/M 14/-						
1000 V/415 A/240 mm ²			1000 V/309 A/150 mm ²						
8 kV/3			8 kV/3						
25...60			14...31/25...40						
			50...240						
			35...185						
600 A/240 mm ²									
(QL 2) 600									
600 V/380 A/500 MCM			-						
600 V/600 A/300...500 MCM			-						
		Cat. No.	Qty.			Cat. No.	Qty.		
		018542	10			128792**	5		
						128802***	5		
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.				
EP 2 (2)	020530	10	EP 2 (2)	020530	10				
EP 2 (2)	020540	10	EP 2 (2)	020540	10				
TW 2 (2)	017710	10	TW 2 (2)	017710	10				
TW 2 (2)	017990	10	TW 2 (2)	017990	10				
QL 2	026440	5	QL 2	019400	5				
QL 3	040800	5	QL 3	044150	5				
QL 4	024740	5	QL 4	044160	5				
AH 46	032696	5							
FW 5	047346	-	FW 5	047346	-				
FS 5	047356	-	FS 5	047356	-				

** Suitable for connection of 1 aluminium conductor of max. 185 mm²
 *** Suitable for connection of 2 aluminium conductors of max. 185 mm²

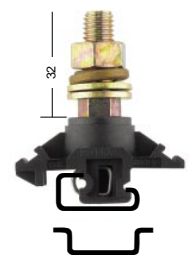
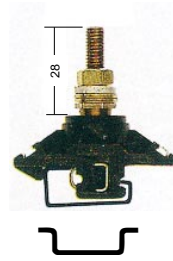
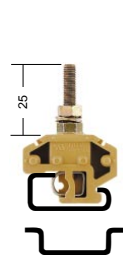
Stud terminals

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 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

18/40/62
 18/49,5/54,5
 -/M 6/-

400 V¹/76 A/16 mm²
 6 kV/3

3...6

82 A/16 mm²

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

Qty. Qty.
049810 10 **133190** 10
 PA
 PPO
 KrG
 for TS 35 x 7.5 PA
 for TS 35 x 15/ 2.3 PA

36/60/68
 36,5/60/68
 -/M 8/-

1000 V¹/125 A/35 mm²

6...12

135 A/35 mm²

Qty. Qty.
049810 10 **133190** 10
 PA
 PPO
 KrG
 for TS 35 x 7.5 PA
 for TS 35 x 15/ 2.3 PA

36/60/68
 36,5/60/68
 -/M 10/-

1000V¹/192 A/70 mm²

10...20

207A/70 mm²

Qty. Qty.
048490 10 **133200** 10
 PA
 PPO
 KrG
 for TS 35 x 7.5 PA
 for TS 35 x 15/ 2.3 PA

36/60/72
 36,5/60/72
 -/M 12/-

1000 V¹/232 A/95 mm²

14...31

250 A/95 mm²

Qty. Qty.
049830 10 **133210** 10
 PA
 PPO
 KrG
 for TS 35 x 7.5 PA
 for TS 35 x 15/ 2.3 PA

End plate, Hard paper (thickness mm)

PA
 PPO



Type Cat. No. Qty.
 AP/TW (2) **133320** 10

Type Cat. No. Qty.
 AP/TW (2) **133320** 10

Type Cat. No. Qty.
 AP/TW (2) **133320** 10

Type Cat. No. Qty.
 AP/TW (2) **133320** 10

Partition, Hard paper (thickness mm)

KrG TW HGW (2) **060710** 20
 PA TW (2) **045586** 10
 PPO TW (2) **133320** 10



TW HGW

TW

TW (2) **045586** 10
 TW (2) **133320** 10

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 QL 2 **028430** 5
 3-pole QL 3 **027300** 5
 4-pole QL 4 on request



QL 2 **134620** 5
 QL 3 **157885** 5

QL 2 **134620** 5
 QL 3 **157885** 5

QL 2 **134620** 5
 QL 3 **157885** 5

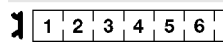
QL 2 **134600** 5

Cover



Marking tags

Print
 Consecutive horizontal FW 5 **047346** -
 Consecutive vertical FS 5 **047356** -



FW 5 **047346** -
 FS 5 **047356** -

FW 5 **047346** -
 FS 5 **047356** -

FW 5 **047346** -
 FS 5 **047356** -

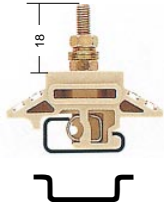
FW 5 **047346** -
 FS 5 **047356** -

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 mm ²
600 V/50 A/12...6 AWG

Type	Cat. No.	Qty.
950337	25	
950823	25	
952830	25	

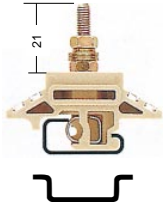
TW/KST (2)	950139	10
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QL 2	950339	1
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FW 5	047346	-
FS 5	047356	-

¹⁾ 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 mm ²
600 V/65 A/12...6 AWG

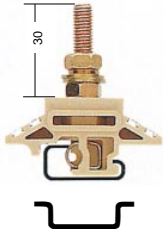
Type	Cat. No.	Qty.
950131	25	
950694	25	
952831	25	

TW/KST (2)	950139	10
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QL 2	950135	5
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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 mm ²
600 V/115 A/12...2 AWG

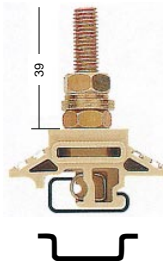
Type	Cat. No.	Qty.
950132	25	
950695	25	
952832	25	

TW KST (2)	950139	10
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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 mm ²
600 V/175 A/12...2/0

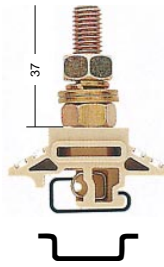
Type	Cat. No.	Qty.
950133	20	
950696	20	
952833	20	

TW KST (2)	950139	10
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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 mm ²
600 V/200 A/12...3/0

Type	Cat. No.	Qty.
950134	20	
950697	20	
952834	20	

TW KST (2)	950139	10
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QL 2	950138	1
------	--------	---

FW 5	047346	-
FS 5	047356	-

ST 5
without
solder
connection

STSL 5
with
solder
connection²⁾



16,3/52 ²⁾ /45,5
-/M 5/-
750 V/76 A/16 mm ²
8 kV/3
2...4
85 A/16 mm ²
600 V/65 A/12...10 AWG

Type	Cat. No.	Qty.	
ST 5	044836	1	
STSL 5	046286	1	
044834	1	046284	1
AP (1,5)	044724	1	

TW (1,5)	047766	1
TW (1,5)	047764	1

QL 2	383430	1
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044770	1
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FW 6	046866	-
FS 6	046876	-

²⁾ Width with soldering tag 76.5 mm

³⁾ Soldering connection 2.5 mm² (illustrated)

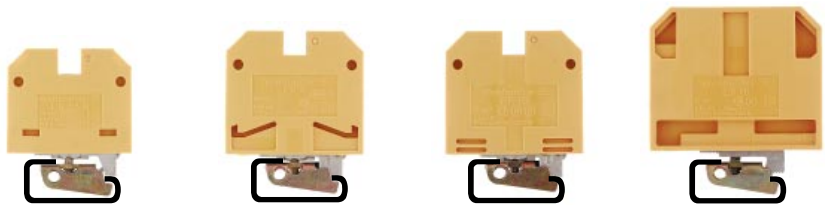
PE terminals

EK 2.5 N


EK 4

EK 10

EK 16



Dimensions

Width / length / height (mm)	with TS 32 	6/36,5/49,5	8/40/51,5	10/40/51,5	12/50/57,5
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	12 mm/M 3/3,5 x 0,6	12 mm/M 6/5,5 x 1,0	16 mm/M 4/5,5 x 1,0

Rated data IEC 947-7-2

Rated voltage/current for PEN/cross-section		-/-2,5 mm ²	-/-4 mm ²	-/-10 mm ²	-/-16 mm ²
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Rated voltage/impulse voltage VDE

0110/1.89/pollution severity





Further technical data

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

Clampable conductor

solid H07V-U	mm ²	0,5...4	0,5...6	0,5...10	2,5...16
stranded H07V-R	mm ²	0,5...1,5	0,5...4	1,5...6	2,5...16
flexible H07V-K	mm ²	0,5...4	0,5...4	0,5...10	2,5...16
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...2,5	0,5...4	0,5...10	4...16
Cable AWG	Nr.	22...14	22...10	20...8	12...6
Plug gauge according to 947-1	Size	A 3	A 4	B 6	B 6

Ordering data

Version		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
Green/yellow PA		047436	100		035456	100		035466	80		037466	50

Blank

Two clamping yokes blank

Hexagon socket blank


Support block

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
SH 2	049492	10	SH 2	049492	10	SH 2	049492	10	SH 2	049492	10



For insulation of mounting rails in insulated-earth installations

Marking material

	1	2	3	4	5	6	Consecutive horizontal	FW 6	046866	-	FW 6.5	046816	-	FW 5	047346	-	FW 5	047346	-
							Consecutive vertical	FS 6	046876	-	FS 6.5	046826	-	FS 5	047356	-	FS 5	047356	-

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

* For centre screw

EK 35



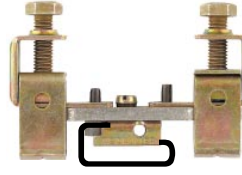
EK 2



SAKE 35



SAKE 70



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

-/-/35 mm²

2,5...5,0/1,2...1,6*
-/3

6...16
16...50
10...35
10...35
10...2

B 9

Type	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

B 6

Type	Cat. No.	Qty.
	032310	20

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

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

Type	Cat. No.	Qty.

014440 20
one clamping yoke

Type	Cat. No.	Qty.
SH 2	049492	10

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

-/-/70 mm²

6,0...12/2,0...4,0*

10...70**
10...70
10...70
10...70

B 10

Type	Cat. No.	Qty.

021320 20

Type	Cat. No.	Qty.
SH 2	049492	10

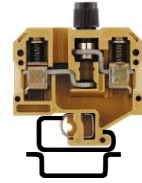
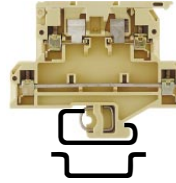
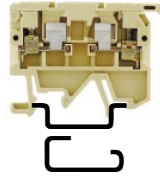
Fuse terminals

ASK 1

**KDKS 1
KDKS 1/35**

**SAKS 1
SAKS 1/35**

**SAKS 1/G25
SAKS 1/35/G25**



for fuse inserts

5 x 20 without indicator

5 x 20 without indicator

5 x 20 without indicator

5 x 20 with indicator

Dimensions

Width / length / height (mm)	with TS 32
Width / length / height (mm)	with TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	

Rated data / feed-through-terminal base

Rated voltage / current / cross-section	
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	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...4
Plug gauge according to 947-1	Size	A 4
Continuous current rating of cross-connection	2...5-pole A	(QB 2...4) 10
Continuous current rating of cross-connection	6...10-pole A	

UL / CSA rated data

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

Ordering data

Version		Best.-Nr	Qty.
		047456	100

8/58/45,5

8/58/44

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

500 V AC/6,3 A/4 mm²

6 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

A 4

(QB 2...4) 10

8/73,5/59,8

8/73,5/55,7

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

500 V~/6,3 A/4 mm²

6 kV/3

0,5...1,0

2

0,5...4

0,5...4

0,5...4

0,5...4

A 4

(QB 2...4) 10

13/54/61

13/54/54

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

500 V~/10 A/10 mm²

6 kV/3

1,2...2,4

4

0,5...16

1,5...10

0,5...10

0,5...10

B 6

(QL 2...5) 47

(QL 6...10) 36

13/54/61

13/54/54

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

500 V~/10 A/10 mm²

6 kV/3

1,2...2,4

4

0,5...16

1,5...10

0,5...10

0,5...10

B 6

(QL 2...5) 47

(QL 6...10) 36

Cross-connections



Fixing screw for Cross-connections

End plate / partition (thickness mm)



G fuse inserts 5 x 20 mm

to DIN 41660 IEC 127 BL 1	Rated current (A): 0.10 fast	
Rated voltage 250 V-	0.20 fast	043040 10
Switching capacity 1500 A	0.25 fast	043050 10
(at 250 V, 50 Hz, cos = 0.7)	0.50 fast	043060 10
	1.0 fast	043070 10
	1.6 fast	043080 10
	2.0 fast	043090 10
	2.5 fast	043100 10

Screw cap/disconnect lever (spare)

TH	037706	100
SIHA	159302	100

Marking tags

	Consecutive horizontal	FW 8	127696	-
	Consecutive vertical	FS 8	128966	-

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

Type Cat. No. Qty.

AP (1,5) **038036** 20

Type Cat. No. Qty.

AP 1 KDKS **950333** 25

for

TW (2,0) **060700** 20

Type Cat. No. Qty.

AP (2,5) **019132** 20

Wemid-beige **019130**

for

TW (2,0) **060700** 20

Type Cat. No. Qty.

AP (2,5) **019132** 20

Wemid-beige **019130**

for

TW (2,0) **060700** 20

0,25 (m) **054690** 10

0,5 (m) **051030** 10

0,8 (m) **064640** 10

1 (m) **026580** 10

10 (m) **019310** 10

2 (ft) **019270** 10

4 (ft) **019280** 10

6,3 (ft) **019290** 10

More fuse cartridges see Page 2/93

SK (5 x 20) **028210** 20

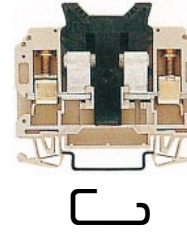
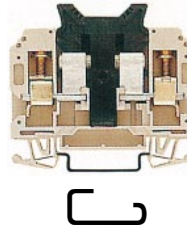
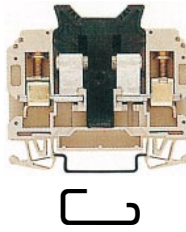
SK (5 x 25) **028200** 20

Fuse terminals

KSKM 1

KSKM 2

KSKM 3



Dimensions

Width / length / height (mm) with TS 32
 Width / length / height (mm) with TS 35 x 7,5
 Insulation stripping length/clamping screw/screwdriver blade

Rated data / feed-through-terminal base

Rated voltage / current / cross-section
 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 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

13/69/62
 13/69/63
 12 mm/-/-

250 V~/6,3 A¹⁾/10 mm²

0,5...16
 0,5...10
 B 6

600 V/10 A/22...8 AWG

Qty. VP
950957 20 **950960** 20
 Wemid Wemid

- 24 V~
- 24 V-
- 24 V=
- 48 V~
- 48 V-
- 48 V=
- 40-50 V~
- 40-50 V-
- 100 V~
- 100 V=
- 125 V~
- 220 V~
- 250 V~
- 250 V=

for fuse inserts

End plate / partition (thickness mm)



Type Cat. No. Qty.
 AP (3) **950963** 20

G fuse inserts 5 x 20 mm

to DIN 41660 IEC 127 BL 1 Rated current (A): 0,2 fast
 Rated voltage 250 V~ 0,25 fast
 fast Switching capacity 1500 A 0,5 fast
 (at 250 V, 50 Hz, cos = 0.7) 0,63 fast
 1,0 fast
 1,6 fast
 2,0 fast
 2,5 fast
 3,15 fast
 4,0 fast
 5,0 fast
 6,3 fast

Type Cat. No. Qty.
043040 10
043050 10
043060 10
043900 10
043070 10
043080 10
043090 10
043100 10
043110 10
043120 10
043130 10
043140 10

Contact sleeve

5 x 20 SBL **044610** 40

Screw cap/disconnect lever (spare)

Red pull lever

Marking tags Print

Consecutive horizontal FW 5 **047346** -
 Consecutive vertical FS 5 **047356** -

13/69/62
 13/69/63
 12 mm/-/-

250 V~/13 A²⁾/10 mm²

0,5...16
 0,5...10
 B 6

600 V/15 A/22...8 AWG

Qty. Qty.
950958 20 **950961** 20
 Wemid Wemid

13/69/62
 13/69/63
 12 mm/-/-

440 V~/10 A/10 mm²

0,5...16
 0,5...10
 B 6

600 V/15 A/22...8 AWG

Qty. Qty.
950959 20 **950962** 20
 Wemid Wemid

Type Cat. No. Qty.
 AP (3) **950963** 20

11/4 x1/4*
 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

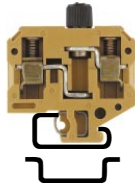
1 x 1/4" SBL **044620** 40
 1 1/4 x 1/4" SBL **044630** 40

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

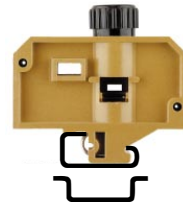
¹⁾ Max. fuse rating i.a.w DIN 41660, IEC 127 CEE4 Type 1
²⁾ Fuses according to BS 1362

Fuse terminals

SAKS 3 SAKS 3/35



SAKS 4 SAKS 4/35



SAKS 5 SAKS 5/35



Dimensions

Width / length / height (mm)	with TS 32	13/54/61
Width / length / height (mm)	with TS 35 x 7,5	13/54/55
Insulation stripping length/clamping screw/screwdriver blade		12 mm/M 4/5,5 x 1

Rated data terminal base

Rated voltage / current / cross-section	500 V AC/10 A/10 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3

Further technical data

Tightening torque range	Nm	1,2...2,4
Torque setting with DMS 2 electric screwdriver		4

Clampable conductor

solid H07V-U	mm ²	0,5...16
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...10
Plug gauge according to 947-1	Size	B 6
Continuous current rating of cross-connection 2...5-pole	A	(QL 2...5) 47
Continuous current rating of cross-connection 6...10-pole	A	(QL 6...10) 36

UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/22...10 AWG
Voltage / current / conductor size	CSA	600 V/10 A/22...10 AWG

Ordering data

Version	Qty.	Qty.
---------	------	------

024892 ³⁾	20	066752 ³⁾	20
029752 ⁴⁾	20	032892 ⁴⁾	20

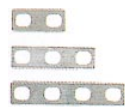
Wernid colours

End plate/partition (thickness mm)



Type	Cat. No.	Qty.
PA	AP (2,5)	019132
HP	for	
	TW (2,0)	060700

Cross-connections



Fixing screws
for Cross-connections

Fuse inserts

1 1/4" x 1/4"	Nominal current (A):	0.5 high-speed	1.0 high-speed	2.0 high-speed	3.0 high-speed	5.0 high-speed	7.0 high-speed	10.0 high-speed	
		E 0,5 A	053380	E 1 A	052550	E 2 A	029450	E 3 A	029570
				E 5 A	029460	E 7 A	029580	E 10 A	029390

G fuse inserts 5 x 30 mm

(500 V~/0.032...6.3 A).

Available from Wickmann-Werke GmbH,
Annstr. 113, 58110 Witten 6, Tel. 02302/6620
Brass insert

D fuse inserts

BS (M 3x6)	034620
------------	--------

Gauge piece	Amp.	Colour
P 14/2	2	rosa
P 14/4	4	braun
P 14/6	6	grün
P 14/10	10	rot
	20	blue
	25	gelb
	35	schwarz
	50	weiß
	10	rot
	16	grey
	20	blue

032132	20	050182	20
--------	----	--------	----

050180 20

Neozed D 01

Type	Cat. No.	Qty.
TW HP (2,0)	060700*	20

035942	20	050212	20
--------	----	--------	----

050210 20

Neozed D 02

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

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

SS M 4	013640	100
BS M 4x9	010330	100

Gauge piece	Amp.	Colour
P 14/2	2	rosa
P 14/4	4	braun
P 14/6	6	grün
P 14/10	10	rot

Gauge piece	Amp.	Colour
P 18/20	20	blue
P 18/25	25	gelb
P 18/35	35	schwarz
P 18/50	50	weiß

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

Rated voltage 380 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

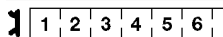
Screw cap (spare)

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

SK	033941	20
----	--------	----

SK	035931	20
----	--------	----

Marking tags



Print	Consecutive horizontal	Printed
FW 5	047346	
FS 5	047356	

FW 5	047346
FS 5	047356

FW 5	047346
FS 5	047356

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

* For TS 32 only
** Also for 440 V- with Neozed marine fuse
*** Current for overload up to 10 A, for short-circuit up to 25 A

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

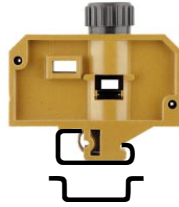
P 16/10 020890 100
P 16/16 020900 100
P 16/20 020910 100

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
SK (with spring) 016173 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

Mounting rail
End bracket (thickness mm) for TS 32 for TS 35
End plate (thickness mm)

Cross-connection bridges
Type QB
straight
angled

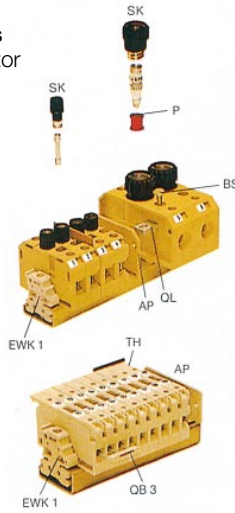
Fixing screw (fits QL)
Disconnect lever (spare)

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

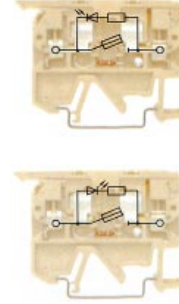
VDE rated data
Current
Voltage
LED current (24...60 V)
LED current (115...230 V)
LED current (24...230 V)
Incandescent lamp current
Neon lamp current
Cross-section

Ordering data
Type
24 V-
24 V-
48 V-
60 V-
115 V-
230 V-
24 V-
24 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) 037706 100

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

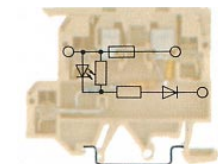
4 mm ²
Type Cat. No. Qty.
ASK 1 LD 805081 25
ASK 1 LD 022276 25
ASK 1 LD 022526 25
ASK 1 LD 022646 25
ASK 1 LD 022546 25
ASK 1 LD 022566 25

Mountable on
TS 32 und TS 35

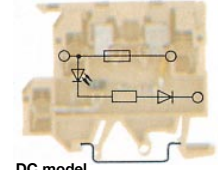
TS 32 012280 -
TS 35x7,5 038340 -
TS 35x15 049800 -
EWK 1 020616 50
EW 35 038356 50
AP PA (1,5) 038036 20

QB 2 ¹⁾ 046110 100
QB 3 ¹⁾ 046120 50
QB 4 ¹⁾ 046130 50
QB 58 ¹⁾ 054540 -
QB 58 ¹⁾ 054530 -

KDKS 1
Fuse cartridge 5x20/5x25



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

4 mm ²
Type Cat. No. Qty.
KDKS 1 814645 25
KDKS 1 814895 25
KDKS 1 814896 25
KDKS 1 814894 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 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 terminals with fault indicator



Dimensions

Terminal width (+ 0.2 assembly tolerance)	mm	13
Insulation stripping length	mm	12

Connection data

Screw connection, solid	0,5...16 mm ²
Screw connection, flexible	0,5...10 mm ²
Conductor cross-section	AWG 20...8

VDE rated data

Voltage/Current	-/10 A
LED current (24...60 V)	≤ 5 mA
LED current (115...230 V)	-
Incandescent lamp current	≤ 50 mA
Neon lamp current	≤ 0,5 mA
Cross-section	10 mm ²

Ordering data

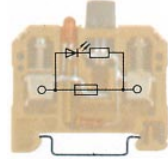
Fuse cartridge	LED	Incandescent lamp	Neon lamp	Voltage
5 x 20	LED	24 V~	24 V~	24 V~
		24 V~	24 V~	24 V~
		48 V~	48 V~	48 V~
		48 V~	48 V~	48 V~
	Incandescent lamp	24 V=	24 V=	24 V=
		48 V=	48 V=	48 V=
		115 V=	115 V=	115 V=
		230 V=	230 V=	230 V=
	Neon lamp	115 V=	115 V=	115 V=
		230 V=	230 V=	230 V=
		24 V~	24 V~	24 V~
		48 V~	48 V~	48 V~
5 x 25	LED	24 V~	24 V~	24 V~
		24 V~	24 V~	24 V~
		48 V~	48 V~	48 V~
		48 V~	48 V~	48 V~
	Incandescent lamp	24 V=	24 V=	24 V=
		48 V=	48 V=	48 V=
		115 V=	115 V=	115 V=
		230 V=	230 V=	230 V=
	Neon lamp	115 V=	115 V=	115 V=
		230 V=	230 V=	230 V=
		24 V~	24 V~	24 V~
		48 V~	48 V~	48 V~

Accessories

Mounting rail	Type	Cat. No.	Qty.
End bracket (thickness mm)	for TS 32		
End plate (thickness mm)	for TS 35		
Cross connection brackets	Type QL		
Cross-connection bridges	Type QB		
Fixing screw (matches QL)			
Screw cap (spare)			
Incandescent lamp			

SAKS 1

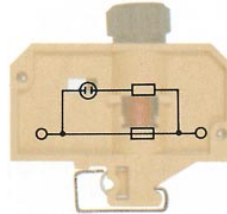
Fuse cartridge 5x20/5x25



Warning:
In the event of a faulty fuse, the connected circuit is live!

SAKS 4

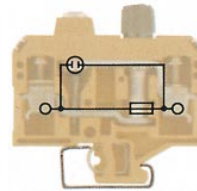
Fuse cartridge E14/D 01 (e.g. Neozed D 01)



Warning:
In the event of a faulty fuse, the connected circuit is live!

SAKS 6

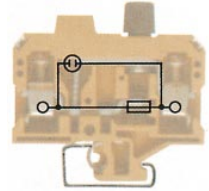
Fuse cartridge 11/4" x 1/4" (e.g. DEF 63)



Warning:
In the event of a faulty fuse, the connected circuit is live!

SAKS 7

Fuse cartridge 5x20/5x25



Warning:
In the event of a faulty fuse, the connected circuit is live!

Type	Cat. No.	Qty.
SAKS 1 LD		
037142	10	022582
111122	10	111132
012172	10	022602
021392	10	021402
SAKS 1 GL		
037172	10	017322
037892	10	017312
SAKS 1 GL		
038532	10	
030612	10	019992
SAKS 1 LD		
040782	10	on request
SAKS GL		
038802	10	on request
038812	10	on request
SAKS 1 GL		
038522	10	-
030932	10	019862

Type	Cat. No.	Qty.
SAKS 4		
TS 32 neon lamp		
115 V=	010182	10
230 V=	010192	10
380 V=	010202	10
480 V=	010212	10

Type	Cat. No.	Qty.
SAKS 6 KrG	053182	40
for 1 1/4" x 1/4" to DEF 63		
exchangeable neon lamps (please order separately)		

Type	Cat. No.	Qty.
SAKS 7 KrG	057612	40
for 5 x 25		
SAKS 7 KrG	057312	40
for 5 x 20		
for exchangeable neon lamps (please order separately)		

Type	Cat. No.	Qty.
TS 32	012280	-
TS 35x7,5	038340	-
TS 35x15	049800	-
EWK 1 (8,5)	020616	50
EW 35 (8,5)	038356	50
AP KrG (3)	019132	20
SK (5 x 20)	028210	20
SK (5 x 25)	028200	100

Type	Cat. No.	Qty.
TS 32	012280	-
EWK 1 (8,5)	020616	50
QL 2	019140	50
QL 3	019150	50
QL 4	019160	20
QL 10	033880	20
BS M 3x6 m. SS	034620	100

Type	Cat. No.	Qty.
TS 32	012280	-
EWK 1 (8,5)	020616	50
AP KrG	014672	20
QL 2	019140	50
QL 3	019150	50
QL 4	019160	20
QL 10	033880	20
BS M 3x6 m. SS	034620	100
Neon lamp 230 V-	055030	-
Neon lamp 115 V-	055020	-

Type	Cat. No.	Qty.
TS 32	012280	-
EWK 1 (8,5)	020616	50
AP KrG (3)	014672	20
QL 2	020780	20
QL 3	020790	20
QL 4	020800	20
QL 10	033890	20
BS M 4x9 m. SS	013330	100
Neon lamp 230 V-	055030	-
Neon lamp 115 V-	055020	-

Fuse cartridges and gauge rings for Weidmüller fuse terminals

Fuse inserts

for terminal type

for terminal type	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					
SAKS 1 SAKS 7 ASK 1 WSI 6	5 x 20 Breaking capacity 1500 A (at 250 V, 50 Hz, cos φ 0.7)	250	0,2 (F)	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					

for terminal type	Size (mm)	Rated voltage (V~)	Rated current (A)	Cat. No.	Qty.
G-fuse inserts 5 x 25 with indicator to DIN 41576¹⁾					
SAKS 1 SAKS 7 WSI 6	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) ²⁾	019310	10
			2 (F)	019270	10
			4 (F)	019280	10
6,3 (F)	019290	10			
(M) = Med. time lag, (F) = Fast					

for terminal type	Size (mm)	Rated voltage (V~)	Rated current (A)	Cat. No.	Qty.
Fuse inserts 1 1/4" x 1/4" to DEF 63/Size 0 without indicator					
SAKS 3 ²⁾ SAKS 6	33 kA short circuit rating fast speed	440	0,5	053380	10
			1	052550	10
			2	029450	10
			3	029570	10
			5	029460	10
			7	029580	10
			10	029390	10

for terminal type	Size (mm)	Rated voltage (V~)	Rated current (A)	Cat. No.	Qty.
D-fuse inserts E 16 with indicator to DIN 49360 (Diazed)					
SAKS 2	E 10 A E 16 A E 20 A E 25 A	500	10	020850	25
			16	020860	25
			20	020870	25
			25	020880	25

for terminal type	Size (mm)	Rated voltage (V~)	Rated current (A)	Cat. No.	Qty.
D-fuse inserts E 14 Size D 01 and E 18 Size D 02 with indicator to DIN 49522 (Neozed)³⁾					
SAKS 4 ⁴⁾	E 14/2 E 14/4 E 14/6 E 14/10 E 14/16	380	2	013740	10
			4	013750	10
			6	032830	10
			10	032840	10
			16	032850	10
SAKS 5	E 18/20 E 18/25 E 18/35 E 18/50 E 18/63	380	20	036130	10
			25	036140	10
			35	036150	10
			50	036160	10
			63	036170	10

- 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	Gauge ring type	Amp.	Colour	Cat. No.	Qty.
SAKS 4 und 4/35	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

Pressure connectors

SV 2

SV 3

Test disconnect terminal blocks



Dimensions

Width / length / height (mm)

with TS 32

20/72/34,5

20/72/51,5

Technical data

Permissible pressure

Tube 6 x 1 mm
(internal 4 mm)
10 at = 9.81 bar

Tube 6 x 1 mm
(internal 4 mm)
10 at = 9.81 bar

Ordering data

Version

PA

Cat. No. Qty.
021746 20

Cat. No. Qty.
028056 20

Sealing cap



Type Cat. No. Qty.
KA **029236** 200

Type Cat. No. Qty.
KA **029236** 200

Elbow



Type Cat. No. Qty.
WK **029556** 50

Type Cat. No. Qty.
WK **029556** 50

Dimensions

Width / length / height (mm)

with TS 32

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage / current / cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U 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

PA

Without diode PA

With diode PA

Blue PA

Orange PA

KrG

PA

Without diode PA

Blue

End plate (thickness mm)

KrG

PA

blue PA

Partition (thickness mm)

Cross-connection

2-pole

3-pole

4-pole

25-pole

QB 4

Screwdriver for StB

Size: 0,8 x 4



Diode plug (Spare)



Test plug



Diodenstecker (Spare)

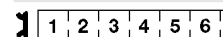
Without diode

With diode 1N4007

With diode 1N4007

Marking tags

Print



Consecutive horizontal

vertical Printed

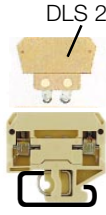
See section 3 for mounting rails and end brackets

See section 3 for mounting rails and end brackets

SAKR



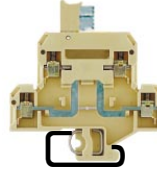
SAKR-D



DKT 4



DKT 4 V



ASK 1



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 V⁶⁾/10 A/4 mm²
6 kV/3

400 V/10 A/4 mm²
6 kV/3

400V/10 A/4 mm²
6 kV/3

400 V/10 A/4 mm²
6 kV/3

500 V/19 A/4 mm²
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

Type	Cat. No.	Qty.
	041212	100
	041216	100
	041218	100
	146196	100
	041222	100
	041226	100
	041228	100
Type	Cat. No.	Qty.
AP (1,5)	021132	20
AP (1,5)	021136	20
AP (1,5)	021138	20

Type	Cat. No.	Qty.
	041296¹⁾	100
	041306²⁾	50
	026366³⁾	50
	054646¹⁾	100
	041316²⁾	50
Type	Cat. No.	Qty.
AP (1,5)	021136	20

Type	Cat. No.	Qty.
	068736	50
	032786	50
Type	Cat. No.	Qty.
AP (1,5)	068756	20

Type	Cat. No.	Qty.
	130486	50
	068756	20
Type	Cat. No.	Qty.
AP (1,5)	068756	20

Type	Cat. No.	Qty.
	045636	100
	010526	100
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 2⁴⁾ **048270** 100
QB 3⁴⁾ **048280** 50
QB 4⁴⁾ **048290** 50
QB 25 blank⁴⁾ **013400** 20

QB 2⁴⁾ **048270** 100
QB 3⁴⁾ **048280** 50
QB 4⁴⁾ **048290** 50
QB 25 blank⁴⁾ **013400** 20

QB 2⁴⁾ **048270** 100
QB 3⁴⁾ **048280** 50
QB 4⁴⁾ **048290** 50

QB 2⁴⁾ **048270** 100
QB 3⁴⁾ **048280** 50
QB 4⁴⁾ **048290** 50

QB 2⁴⁾ **046110** 100
QB 3⁴⁾ **046120** 50
QB 4⁴⁾ **046130** 50

SDIK **902494** -

3-pole ganging with SchS 2 marking tag carrier (Cat. No. **033740**)

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

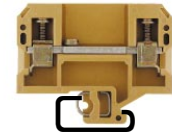
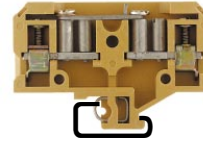
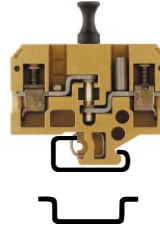
Disconnect terminals

**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 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 Qty. Qty.
 KrG **034072** 100 **035752** 100
 KrS
 With 2 StB KrG **034062** 100 **035762** 100
 With 1 StB KrG
 With 2 StB 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 mm²
 6 kV/3

0,5...1,0/0,5 StB
 2/1

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

(QB 2...25) 10

300 V/-/22...12 AWG
 300 V/25 A/22...10 AWG

Type Qty. Qty.
034072 100 **035752** 100

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

500 V/27 A/10 mm²
 6 kV/3

1,2...2,4
 4

0,5...16
 1,5...16
 0,5...10
 0,5...10
 B 6

(QL 2...5) 47

(QL 6...10) 36

300 V/25 A/22...8 AWG
 600 V/25 A/20...10 AWG

Type Qty. Qty.
032402 50 **140462** 50
140452 50
032403 50

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

500 V/47 A/10 mm²
 6 kV/3

1,2...2,4
 4

0,5...16
 1,5...16
 0,5...10
 0,5...10
 B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/-/18...8 AWG
 600 V/35 A/18...8 AWG

Type Cat. No. Qty.
013412 25

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

500 V/63 A/10 mm²
 6 kV/3

1,2...2,4
 4

0,5...16
 1,5...16
 0,5...10
 0,5...10
 B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/-/18...8 AWG
 600 V/45 A/18...8 AWG

Type Cat. No. Qty.
013492 40

End plate (thickness mm)

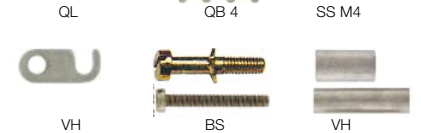
KrG
 KrS
 PA

Partition (thickness mm)

KrG
 KrS
 PA TW (1,5) **013016** 20
 HP TW (1,0) **029710**** 20

Cross-connection

1-pole QB 2¹⁾ **048270** 100
 3-pole QB 3¹⁾ **048280** 50
 4-pole QB 4¹⁾ **048290** 50
 10-pole
 25-pole QB 25 blank¹⁾ **013400** 20



QL 2 **013550** 50
 QL 3 **013560** 50
 QL 4 **013570** 50
 QL 10 **033850** 20

VH 14 **029970** 50
 BS M 4x20 **036280** 100
 SS M 4 **013640** 100

QL 2 **013550** 50
 QL 3 **013560** 50
 QL 4 **013570** 50
 QL 10 **033850** 20

VH 23 **034870** 50
 BS M 4 x 30 **026710** 50
 SS M 4 **013640** 100
 VL 2 **013580** 50

QL 2 **011410** 100
 QL 3 **011430** 50
 QL 4 **011450** 50
 QL 10 **033840** 20

BS M 4 x 9 **010330** 100
 SS M 4 **013640** 100
 VL 2 **013590** 50

Dummy plug

made from plastic, to keep the place of an extracted plug
 BST 4 green **133905** 500
 BST 4 red **133906** 500
 BST 4 blue **133908** 500

Test plug/Socket

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

PS 2,3 **018040** 20

TST 4 **138060** 20

PS 4 **029960** 20

StB 13,5 **013520** 50

PS 4 **029960** 20

StB 13,5 **013520** 50

PS 4S 4 **029960** 20

StB 16 **014020** 50

Disconnecter plug (spare)

TST 4 **138060** 20

TST 10 **046270** 20

Extraction tool

for TST 4
 ZI WE **062306** 10

Marking tags

Print
 Consecutive horizontal
 vertical Printed

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

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

FW 5 **047346** -
 FS 5 **047356** -

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

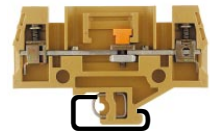
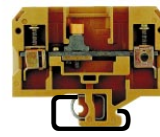
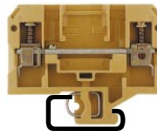
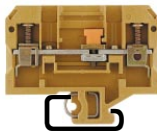
Test disconnect terminal blocks

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 mm ²
6 kV/3

400 V/27 A/6 mm ²
6 kV/3

400 V/27 A/6 mm ²
6 kV/3

400 V/27 A/6 mm ²
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

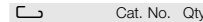










300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

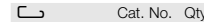










300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

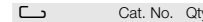










300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

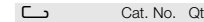










Ordering data

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


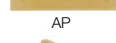


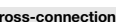
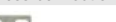
Type	Cat. No.	Qty.
	026912	50
	019562	50
		
		
		
		
	043792	50
		
		
		
		



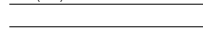


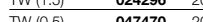
Type	Cat. No.	Qty.
	055042	50
	019562	50
		
		
		
		
		
		
		
		
		







Type	Cat. No.	Qty.
	049482	50
	026932	50
		
		
		
		
		
		
		
		
		







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







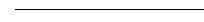
End plate/partition/small partition (thickness mm)

Type	Cat. No.	Qty.
 KrG	AP (3,0)	014672 20
 KrG	TW (3,0)	024292 20
 PA	AP (1,5)	014676 20
 PA	TW (1,5)	024296 20
 HP	TW (0,5)	047470 20
 TSch 2	TSch 2	035366 100

Type	Cat. No.	Qty.
 KrG	AP (3,0)	014672 20
 KrG	TW (3,0)	024292 20
 PA	AP (1,5)	014676 20
 PA	TW (1,5)	024296 20
 HP	TW (0,5)	047470 20
 TSch 2	TSch 2	035366 100

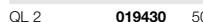


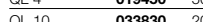

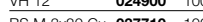
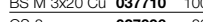

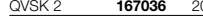




Type	Cat. No.	Qty.
 AP (3,0)	014672	20
 TW (3,0)	024292	20
 AP (1,5)	014676	20
 TW (1,5)	024296	20
 TW (0,5)	047470	20
 TSch 2	035366	100

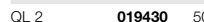


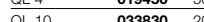

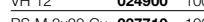
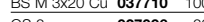

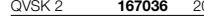




Type	Cat. No.	Qty.
 AP (3,0)	014672	20
 TW (3,0)	024292	20
 AP (1,5)	014676	20
 TW (1,5)	024296	20
 TW (0,5)	047470	20
 TSch 2	035366	100

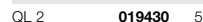


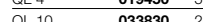

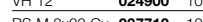
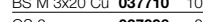

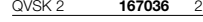




Type	Cat. No.	Qty.
 AP (2,5)	032912	20
 TW (2,5)	035182	20
 PA		
 PA		
 HP		
 TSch 2	035366	100
 TSch 2 Orange	013246	100

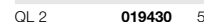


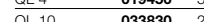

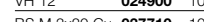
Cross-connection

Type	Cat. No.	Qty.
 QL 2	QL 2	019430 50
 QL 3	QL 3	019440 50
 QL 4	QL 4	019450 50
 QL 10	QL 10	033830 20
 VH 12	VH 12	024900 100
 VH 19	VH 12	024900 100
 BS 25	BS M 3x20 Cu	037710 100
 blank	QS 2	027096 20
 QS 2	QVSK 2	167036 20
 QS 2	QVS 3	032930 20
 QS 2	QVS 4	030740 20
 QS 2	VH 19	031800 50
 QS 2	BS 25 blank	033470 50

Type	Cat. No.	Qty.
 QL 2	019430	50
 QL 3	019440	50
 QL 4	019450	50
 QL 10	033830	20
 VH 12	024900	100
 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

Type	Cat. No.	Qty.
 QL 2	019430	50
 QL 3	019440	50
 QL 4	019450	50
 QL 10	033830	20
 VH 12	024900	100
 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

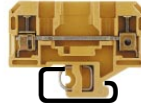
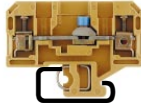
Type	Cat. No.	Qty.
 QL 2	019430	50
 QL 3	019440	50
 QL 4	019450	50
 QL 10	033830	20
 VH 12	024900	100
 VH 12	024900	100
 BS M 3x20 Cu	037710	100
 QS 2	027096	20
 QVSK 2	167036	20
 QVS 3	032930	20
 QVS 4	030740	20
 VH 19	031800	50
 BS 25 blank	033470	50

Type	Cat. No.	Qty.
 QL 2	019430	50
 QL 3	019440	50
 QL 4	019450	50
 QL 10	033830	20
 VH 12	024900	100
 VH 12	024900	100


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
 Rated impulse voltage VDE 0110/1.89/Pollution severity

400 V/27 A/4 mm²
 6 kV/3

400 V/27 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...0,7
 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
 1,5...4
 0,5...4
 0,5...4
 A 3

0,5...6
 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...5-pole A
 Continuous current rating of cross-connection 6...10-pole A

(Q 2...10) 27

(Q 2...10) 27

UL / CSA rated data


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


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

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

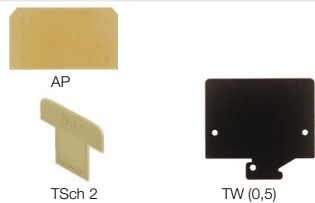
Ordering data

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

Type	Cat. No.	Qty.
	025412	50
StB left	025422	50
StB left	025432	50
StB ø 2,0	031032	50
	025442	50

Type	Cat. No.	Qty.
	024632	50
StB left	024652	50
StB ø 2,0	024662	50

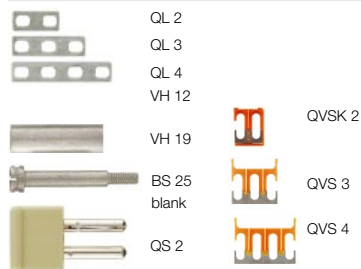
End plate / partition/Small partition (thickness mm)



Type	Cat. No.	Qty.
KrG AP (1,5)	024492	20
PA TW (0,5)	047470	20
HP TSch 2	035366	100

Type	Cat. No.	Qty.
KrG AP (1,5)	024492	20
PA TW (0,5)	047470	20
HP TSch 2	035366	100

Cross-connection



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

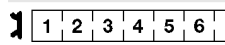


Disconnect lock

SSP 4	131936	20
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SSP 4	131936	20
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Marking tags

 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

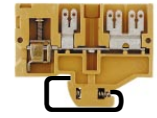
Disconnect terminals with tab connection

AST 1

AST 3

AST 4

AST 5



Dimensions

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

6,5/58/53,5	6,5/40/47,5	6,5/40/47,5	6,5/58/53,5
		9 mm/M 2,5/3,5 x 0,6	12 mm/M 3/3,5 x 0,6

Rated data

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

500 V ¹ / - /2,5/1,0 mm ²	500 V ¹ / - /2,5/1,0 mm ²	500 V ¹ / - /2,5/1,0 mm ²	500 V ¹ / - /2,5/1,0 mm ²
6 kV/3	6 kV/3	6 kV/3	6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

		0,4...0,7	0,5...1,0
		1	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	0,5...6
		1,5...2,5	1,5...2,5
		0,5...2,5	0,5...4
		0,5...2,5	0,5...4
		A 3	A 4

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multiple A

(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36
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UL / CSA rated data

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

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

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

	Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
	047822	50		044242	100		043912	100		047922	50
	047826²⁾	50		023686²⁾	100		023726	100		047926	50
	026632	50		029802	100		032122	100		033452	50
	026636²⁾	50		023676²⁾	100		023716	100		033456	50

End plate/partition/small partition (thickness mm)

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

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

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

Cross-connection

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

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

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

Plug adapter

Type	Cat. No.	Qty.
2-pole STA 2.5/2	016586	100
3-pole STA 2.5/3	016596	50
4-pole STA 2.5/4	019036	50
5-pole STA 2.5/5	016606	50
8-pole STA 2.5/8	016616	50

Type	Cat. No.	Qty.
2-pole STA 2.5/2	016586	100
3-pole STA 2.5/3	016596	50
4-pole STA 2.5/4	019036	50
5-pole STA 2.5/5	016606	50
8-pole STA 2.5/8	016616	50

Type	Cat. No.	Qty.
2-pole STA 2.5/2	016586	100
3-pole STA 2.5/3	016596	50
4-pole STA 2.5/4	019036	50
5-pole STA 2.5/5	016606	50
8-pole STA 2.5/8	016616	50

Test plug/Socket

Type	Cat. No.	Qty.
Plug-test socket without using QL for TS 32 StB 14	016860	50
PS 2.3	018040	20

Type	Cat. No.	Qty.
Plug-test socket without using QL for TS 32 StB 14	016860	50
PS 2.3	018040	20

Type	Cat. No.	Qty.
Plug-test socket without using QL for TS 32 StB 14	016860	50
PS 2.3	018040	20

Insulation sleeve

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Marking tags

Type	Cat. No.	Qty.
Consecutive horizontal FW 6.5	046816	-
Consecutive vertical FW 6	046866	-

Type	Cat. No.	Qty.
Consecutive horizontal FW 6.5	046816	-
Consecutive vertical FW 6	046866	-

Type	Cat. No.	Qty.
Consecutive horizontal FW 6.5	046816	-
Consecutive vertical FW 6	046866	-

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

¹⁾ with Insulation sleeve
²⁾ Shock-proof with ADP4 cover profile (see page 3/23)

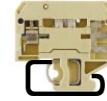
Feed-through terminals with tab connection

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
 Block of 10, slotted with marking 1-9 PA

Version	Cat. No.	Qty.
Slotted KrG	040122	100
Blue, slotted KrG		
Slotted PA	040126	100
Unslotted KrG	047952	100
Blue, unslotted KrG		
Unslotted PA		

Version	Cat. No.	Qty.
Slotted KrG	047962	100
Blue, slotted KrG	047967	100
Slotted PA	047966	100
Unslotted KrG	035292	100
Blue, unslotted KrG	035297	100
Unslotted PA		

Version	Cat. No.	Qty.
Slotted KrG		
Blue, slotted KrG		
Slotted PA	066366	100
Unslotted KrG		
Blue, unslotted KrG		
Unslotted PA	with 1 StB 6	

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
PA (1,5)	011796	20
PA (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
 BS M 3 x 4,5
 BS M 3 x 24

Type	Cat. No.	Qty.
2-pole QL 2	013060	100
3-pole QL 3	013070	100
4-pole QL 4	013080	50
10-pole QL 10	033820	20
25-pole QL 25		
BS M 3x4,5	159321	100

Type	Cat. No.	Qty.
2-pole QL 2	013060	100
3-pole QL 3	013070	100
4-pole QL 4	013080	50
10-pole QL 10	033820	20
25-pole QL 25		
BS M 3x4,5	159321	100

Type	Cat. No.	Qty.
QB 2*	048270	100
QB 3*	048280	50
QB 4*	048290	50
QB 25 blank*	013400	20

Plug adapter

 Plug adapter
 clips into PA version of AST3 and AST4 only

Type	Cat. No.	Qty.
2-pole		
3-pole		
4-pole		
5-pole		
8-pole		

Type	Cat. No.	Qty.
2-pole		
3-pole		
4-pole		
5-pole		
8-pole		

Type	Cat. No.	Qty.
2-pole		
3-pole		
4-pole		
5-pole		
8-pole		

Test plug/Socket

Plug-test socket without using QL for TS 32

 PS
 StB

Type	Cat. No.	Qty.
PS 2.3	018040	20

Type	Cat. No.	Qty.
PS 2.3	018040	20

Type	Cat. No.	Qty.
PS 2.3	018040	20

Insulation sleeve

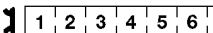
 IH 2.8
 IH 6.3

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
IH 2.8	038606	100
IH 6.3	038626	100

Type	Cat. No.	Qty.
IH 2.8	038606	200

Marking tags

 Marking tags
 Consecutive horizontal
 Consecutive vertical

Type	Cat. No.	Qty.
FW 6.5	046816	-

Type	Cat. No.	Qty.
FW 6.5	046816	-

Type	Cat. No.	Qty.
FW 6.5	046816	-

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

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	6/54/59,5
9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6

Rated data

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

400 V/2 x 10/4/1,0 mm ²	400 V/2 x 10/4/2,5/1,0 mm ²
6 kV/3	6 kV/3

Further technical data

Tightening torque range Nm
 Torque setting with DMS 2 electric screwdriver

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

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	063126	100		063116	100

End plate (thickness mm)



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

Partition



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
TW HP (2,0)	060700	20	TW HP (2,0)	060700	20

Small partition



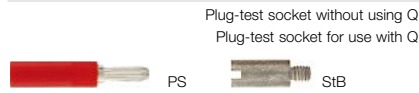
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
TSch 6	019026	100	TSch 6	019026	100

Cross-connection



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Q 2	033640	50	Q 2	033640	50
Q 3	033650	50	Q 3	033650	50
Q 4	033660	50	Q 4	033660	50
Q 10	036860	20	Q 10	036860	20

Test plug/Socket



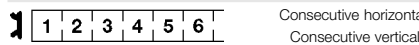
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
StB 8.5	021570	50	StB 8.5	021570	50
PS 2.3	018040	20	PS 2.3	018040	20

Insulation sleeve



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
IH 2.8	038606	100	IH 2.8	038606	100
IH 6.3	038626	100			

Marking tags



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

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

) with Insulation sleeve

**Feed-through terminals
for wrap termination DIN 41 611, Part 2
and
for spring clip termination DIN 41 611,
Part 4**

SAK 2.5 T

Pin 1 x 1

SAK 2.5 T

Pin 0,8 x 1,6

SAK 2.5 T

Pin 0,8 x 2,4



Dimensions

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

6/36,5/47,5/67
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/62
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/69
12 mm/M 2,5/3,5 x 0,6

Rated data

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

250 V/8 A/2,5 mm²
4 kV/3

250 V/10 A/2,5 mm²
4 kV/3

250 V/10 A/2,5 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

0,4...0,7
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...6
0,5...2,5
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

(Q 2...10) 27
A
A

(Q 2...10) 27
A
A

(Q 2...10) 27
A
A

UL / CSA rated data

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

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

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

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

Ordering information

Pin	Version	Cat. No.	Qty.
Right	KrG	010852	100
Horizontal left	KrG		
Horizontal right	KrG		
Vertical left	KrG		
Vertical right	KrG		
2x vertical	KrG		
right	PA	010856¹⁾	100

End plate (thickness mm)

Type	Cat. No.	Qty.
KrG AP (1,5)	027952	20
PA AP (1,5)	027956	20

Type	Cat. No.	Qty.
KrG AP (1,5)	027952	20
PA AP (1,5)	027956	20

Type	Cat. No.	Qty.
KrG AP (1,5)	027952	20
PA AP (1,5)	027956	20

Partition (thickness mm)

Type	Cat. No.	Qty.
KrG TW (2,5)	030282	20
PA TW (1,5)	030286	20
HP TW (0,5)	019710	20
HP TW (2,0)	060700	20

Type	Cat. No.	Qty.
KrG TW (2,5)	030282	20
PA TW (1,5)	030286	20
HP TW (0,5)	019710	20
HP TW (2,0)	060700	20

Type	Cat. No.	Qty.
KrG TW (2,5)	030282	20
PA TW (1,5)	030286	20
HP TW (0,5)	019710	20
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

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

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**	033700	50
Q 3**	033710	50
Q 4**	033720	50
Q 10**	036870	20

Test plug/Socket

Type	Cat. No.	Qty.
Plug-test socket without using QL StB 8.5 (ø 2,3)	028060	50
PS 2.3	018040	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
PS 2.3	018040	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
PS 2.3	018040	20

Marking tags

Type	Cat. No.	Qty.
Consecutive horizontal FW 6	046866	-
Consecutive vertical FW 6	046866	-

Type	Cat. No.	Qty.
FW 6	046866	-

Type	Cat. No.	Qty.
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

Feed-through terminals

Disconnect terminals for wrap connection DIN 41 611, Part 2 and for spring clip connection DIN 41 611, Part 4

DK 4 T


DK 4 T

DK 4 T

SAKRT



Dimensions

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

6/50/58,5/75,5
9 mm/M 3/3,5 x 0,6

6/50/60,5/77,5
9 mm/M 3/3,5 x 0,6

6/50/67,5/84,5
9 mm/M 3/3,5 x 0,6

6/42/40,5/54,5
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/8 A/4 mm²
4 kV/3

250 V/10 A/4 mm²
4 kV/3

250 V/10 A/4 mm²
4 kV/3

250 V/6/8 A/4 mm²
4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,5...1,0
1

0,5...1,0
1

0,5...1,0
1

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
A3

0,5...4
1,5...4
0,5...4
0,5...4
A3

0,5...4
1,5...4
0,5...4
0,5...4
A3

0,5...6
1,5...4
0,5...4
0,5...4
A3

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) 20

(Q 2...10) 20

(Q 2...10) 20

(QB 2...10) 10

UL / CSA rated data

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

-
-

-
-

-
-

-
-

Ordering information

Pin Type
Right PA
Left PA
Horizontal right PA
Horizontal right Blue PA
Vertical right PA
Vertical right Blue PA
Vertical PA
Vertical left PA
DK 4 QT bridgeable on both Right PA
levels Horizontal right PA
Vertical right PA

Cat. No. Qty.
053656 50

037046¹⁾ 50
037048¹⁾ 50
037036¹⁾

068586¹⁾ 50

139846¹⁾ 50

139856¹⁾ 50
139866¹⁾ 50

Cat. No. Qty.

037046¹⁾ 50
037048¹⁾ 50
037036¹⁾

068586¹⁾ 50

139856¹⁾ 50
139866¹⁾ 50

Cat. No. Qty.

052776¹⁾ 50

139876¹⁾ 50
139886¹⁾ 50

Cat. No. Qty.
Pin 1 x 1 058746 100
Pin 0,8 x 2,4 054506 100
Pin 0,8 x 1,6 046936 100

End plate / partition (thickness mm)

PA
Blue PA



Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 021136 20

AP (1,5) 021136 20
TW (2,0) 060700 20

Small partition

TSch 4



TSch 4 036336 100

TSch 4 036336 100

TSch 4 036336 100

Cross-connection/Covers

2-pole Q 2
3-pole Q 3
4-pole Q 4
10-pole Q 10
QB 2*
QB 3*
QB 4*
25-pole



Q 2 033640 50
Q 3 033650 50
Q 4 033660 50
Q 10 036860 20
QB 2* 048270 100
QB 3* 048280 50
QB 4* 048290 50

Q 2 033640 50
Q 3 033650 50
Q 4 033660 50
Q 10 036860 20
QB 2* 048270 100
QB 3* 048280 50
QB 4* 048290 50

Q 2 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

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

StB 8.5 (ø 2,3) 021570 50

StB 8.5 (ø 2,3) 021570 50

StB 8.5 (ø 2,3) 021570 50

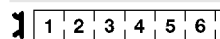


PS 2.3 018040 20

PS 2.3 018040 20

PS 2.3 018040 20

Marking tags



Consecutive horizontal
Consecutive vertical

dekafix 6 046866 -

dekafix 6 046866 -

dekafix 6 046866 -

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
** Only to be used with PA versions

¹⁾ Shock-proof with ADP4 cover profile (see page 3/23)

Rack mounted interface system

AVR 4/10

Version

Block* of 10 plates fitted with pins and an empty plate which acts as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks listed here are coded from 1 to 9. The 10th. plate is free for decade markings.

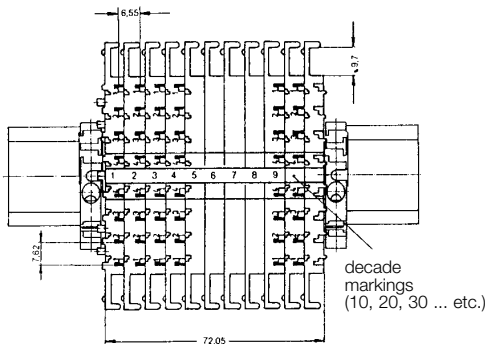
* Block length = 72.05 mm

Nominal voltage according to DIN 0110
Insulation group C

Pin dimensions	Grid dim. in mm	
mm	6.55	7.62
0.6 x 0.6	380 V~	380 V~
1.0 x 1.0	380 V~	380 V~
0.8 x 1.6	380 V~	380 V~
0.8 x 2.4	250 V~	380 V~

Applications

Interface system for use in 19" cabinets whose doors can only be opened outwards. Primarily decentralised arrangement, i.e. next to electronic modules. The pin arrangement allows operation from the front. The individual conductors with 8 colour codes from stranded cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The block designation is performed by coordinates. Markings 1 to 9 and the decade markings are in the direction of mounting. For the markings 1 to 4 per level, see the diagram below. Side tabs assign the individual conductors to the respective level.



Dimensions

Width / length / height (mm) with TS 32  6,55/39/60/86
Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage / current / cross-section 250 V/4/6 A
Rated impulse voltage VDE 0110/1.89/Pollution severity 4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U 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

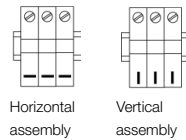
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

UL / CSA rated data

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

Ordering data/Pin version (internal)

	Cat. No.	Qty.
Vertical 0.8 x 1.6	046376	8
Horizontal 0.8 x 1.6	046366	8
Vertical 0.8 x 2.4	046396	8
Horizontal 0.8 x 2.4	046386	8
0.8 x 2.4 on 1 x 1	049796	8



Plug adapter

Type	Cat. No.	Qty.
DSA 1	057606	50

Additional versions available on request

Marking tags

dekafix 5 FW 10, 20, 30, 40 etc. **013266**

Feed-through terminals
Disconnect terminals
with solder connection

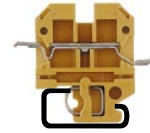
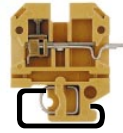
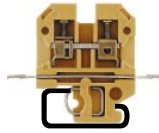
SAK 2.5/M.LS

SAK 2.5 L

SAK 2.5 LL

SAKR L

with Screen lug



Dimensions

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

6/60/46,5	6/44,5/46,5	6/55/46,5	6,5/50/40,5/54,5 (open)
12 mm/M 2,5/3,5 x 0,6	12 mm/M 2,5/3,5 x 0,6		8 mm/M 3/3,5 x 0,6

Rated data

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

250 V/20 A/2,5/1,5 mm ²	250 V/20 A/2,5/1,5 mm ²	250 V/20 A/1,5 mm ²	250 V/10 A/4/1,5 mm ²
4 kV/3	4 kV/3	4 kV/3	4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,4...0,7	0,4...0,7		0,5...1,0
1	1		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
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multiple A

0,5...6	0,5...6		0,5...4
0,5...2,5	0,5...2,5		01,5...4
0,5...4	0,5...4		.5...4
0,5...2,5	0,5...2,5		0,5...2,5
A 3	A 3		A 3
(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/22...12 AWG	300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG

Ordering data

Type
KrG
Blue KrG
KrS
PA
Blue PA
KrG
KrS
PA
Blue PA

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	030912	100		035142	100		032362	100			
				035147	100		032367	100			
				035146 ¹⁾	100		032366 ¹⁾	100		041236	100
				054412*	100						
				054413*	100						
				054416* ¹⁾	100					041246*	100
										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.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20	AP (1,5) 030922	20	AP (1,5) 030922	20					
Blue KrG	AP (1,5) 030927	20	AP (1,5) 030927	20	AP (1,5) 030927	20					
PA			AP (1,5) 027956	20	AP (1,5) 027956	20			AP (1,5) 021136 ¹⁾	20	
Blue PA									AP (1,5) 021138	20	
PA	TW (1,5) 030286	20	TW (1,5) 030286	20	TW (1,5) 030286	20					
HP	TW (1,0) 029710	20	TW (1,0) 029710	20	TW (1,0) 029710	20					
HP	TW (2,0) 060700	20	TW (2,0) 060700	20	TW (2,0) 060700	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
25-pole		

2-pole	Q 2 033700	50	Q 2	033700	50	QB 2**	048270	100
3-pole	Q 3 033710	50	Q 3	033710	50	QB 3**	048280	50
4-pole	Q 4 033720	50	Q 4	033720	50	QB 4**	048290	50
10-pole	Q 10 036870	20	Q 10	036870	20			
25-pole						QB 25 blank**	013400	20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL

PS	StB
----	-----

StB 8.5 (ø 2,3) 028060	50	StB 8.5 (ø 2,3) 028060	50		
StB 29.5 (ø 4) 013340	50	StB 29.5 (ø 4) 013340	50		
PS 2.3 018040	20	PS 2.3 018040	20	PS 2.3	018040 20
PS 4 029960	20	PS 4 029960	20		

Cover

AD 4	030340	50
BSK M 3 x 22	012890	100

AD 4	030340	50	AD 4	030340	50
BSK M 3 x 22	012890	100	BSK M 3 x 22	012890	100

Marking tags

Print	Consecutive horizontal	FW 6 046866
	Consecutive vertical	FS 6 046876

FW 6	046866	FW 6	046866	FW 6	046866	FW 6.5	046816
FS 6	046876	FS 6	046876	FS 6	046876	FS 6.5	046826

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

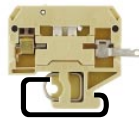
* Solder lug on left
** The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

¹⁾ Shock-proof with ADP4 cover profile (see page 3/23)

**Feed-through terminals
Disconnect terminals
with solder connection**

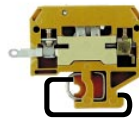
SAKR L

with 1 x StB 6



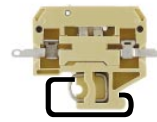
SAKR L

with 2 StB 6



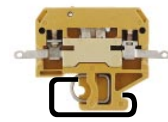
SAKR LL

with 2 StB 6




SAKR LL

with 2 StB 6



Dimensions

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

6,5/50/40,5/54,5 (open)	6,5/50/40,5/54,5 (open)	6,5/58/40,5/54,5 (open)	6,5/58/40,5/54,5 (open)
8 mm/M 3/3,5 x 0,6	8 mm/M 3/3,5 x 0,6		

Rated data

Rated voltage / current / cross-section	250 V/10 A/4/1,5 mm ²	250 V/10 A/4/1,5 mm ²	250 V/10 A/1,5 mm ²	250 V/10 A/1,5 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity	4 kV/3	4 kV/3	4 kV/3	4 kV/3

Further technical data

Tightening torque range	Nm 0,5...1,0	0,5...1,0		
Torque setting with DMS 2 electric screwdriver	2/1	1		

Clampable conductor

solid H07V-U	mm ² 0,5...4	0,5...4		
stranded H07V-R	mm ² 1,5...4	1,5...4		
flexible H07V-K	mm ² 0,5...4	0,5...4		
flexible H07V-K and AEH DIN 46 228/1	mm ² 0,5...2,5	0,5...2,5		
Plug gauge according to 947-1	Size A 3	A 3		





Continuous current of terminal block for conductor size

Continuous current rating of cross-connection 2-pole	A (QB 2...25) 10	(QB 2...25) 10		
Continuous current rating of cross-connection multipole	A			

UL / CSA rated data

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

Ordering data

Type		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
KrG					051812*	100					029422	100
Blue KrG												
KrS												
PA		041256	100		051816*	100		046446	100		029426	100
Blue PA								046448	100			
KrG												
KrS												
PA		041266*	100		057266	100						
Blue PA												

End plate / partition (thickness mm)

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
KrG			AP (1,5)	021132	20	AP (1,5)	021132	20	AP (1,5)	021132	20	
Blue KrG												
PA	AP (1,5)	021136	20	AP (1,5)	021136	20	AP (1,5)	021136	20	AP (1,5)	021136	20
Blue PA	AP (1,5)	021138	20	AP (1,5)	021138	20	AP (1,5)	021138	20	AP (1,5)	021138	20
PA												
HP			TW (0,5)	047470	20	TW (0,5)	047470	20	TW (0,5)	047470	20	
HP	TW (2,0)	060700	20	TW (2,0)	060700	20	TW (2,0)	060700	20	TW (2,0)	060700	20

Small partition

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

Cross-connection

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

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL

PS	PS 2.3	018040	20	PS 2.3	018040	20				
StB										

Cover

Marking tags

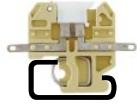
Print	Consecutive horizontal	FW 6.5	046816	FW 6.5	046816	FW 6.5	046816	FW 6.5	046816
	Consecutive vertical	FS 6.5	046826	FS 6.5	046826	FS 6.5	046826	FS 6.5	046826

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

TAL

2 solder connections



TAL

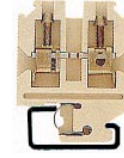
4 solder connections



Ceramic feed-through terminals

for use in high temperature ranges up to max. 210 °C

SAKK 4



SAKK 10



4/48/36/50 (open) 4/54/36/50 (open)

63 V/10 A/1,5 mm² 63 V/10 A/1,5 mm²
1,5 kV/3 1,5 kV/3

Cat. No.	Qty.	Cat. No.	Qty.
021206	100	030496	100

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP (1,5)	021226	20	AP (1,5)	021226	20

TW (0,5)	047470	20	TW (0,5)	047470	20
TW (1,0)	029710	20	TW (2,0)	060700	20

on request on request
on request on request

Dimensions

Width / length / height (mm) with TS 32

Insulation stripping length/clamping screw/screwdriver blade
VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1
Rated voltage / current / cross-section

Further technical data

Clampable conductor

solid mm² mm²
stranded mm²

Plug gauge according to 947-1 Size
Continuous current of cross-connection for conductor size A
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
Ceramic

8/40/53

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

800 V/32 A/4 mm²

0,5...6 mm²
0,5...4 mm²

Size
A 4
35 A/6 mm²
36
36

600 V/30 A/22...10 AWG
600 V/36 A/26...10 AWG

Type	Cat. No.	Qty.
SAKK 4	159808	50

11,5/40/53

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

800 V/57 A/10 mm²

2,5...16 mm²
2,5...10 mm²

B 6
63 A/16 mm²
47
36

600 V/55 A/14...16 AWG
600 V/65 A/14...16 AWG

Type	Cat. No.	Qty.
SAKK 10	159809	50

End plate (Thickness 3 mm)



Type	Cat. No.	Qty.
AP/SAKK 4/10	950263	10

Type	Cat. No.	Qty.
AP/SAKK 4/10	950263	10

Cross-connection



Connecting sleeve
Attachment screw

Type	Cat. No.	Qty.
QL 2	019430	100
QL 3	019440	100
QL 4	019450	50
QL 10	033830	20
VH 13,5	950946	100
BS (M 3 x 20)	030300	100

Type	Cat. No.	Qty.
QL 2	950947	100
QL 3	950948	50
QL 4	950949	50
QL 10	950950	20
VH 12,5	950951	50
BS (M 3 x 20)	030300	100

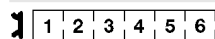
Accessories

Locking pin
End bracket
PE terminal

SST 3	015270
MEW 1/32	044560
EK 2	032311

SST 3	015270
MEW 1/32	044560
EK 2	032311

Marking tags



Consecutive horizontal
Consecutive vertical

Print

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

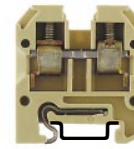
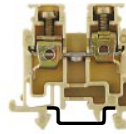
TS 15
Feed-through terminals
PE terminals
Fuse terminals
Disconnect terminals

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	TS 15	TS 15	TS 15
	KrG				
	PA	034046	(with spigot) 069716	029432	for test adapter 153826
	Blue PA	034048	(with spigot) 069718	029436	153826
	PA	(10pol.w/o.mrk.) 035806	(without spigot) 017596	029438	w. mark./f. test ad. 148936
	PA	(10pol.w. mrk.) 035816	AKZ 2.5 with AP 038586	(10pol.w/o.mrk.) 035956	ATA 1, 1-pole 163253
				(10pol.w. mrk.) 035966	ATA 1, 10-pole 163324

¹⁾Test adapter ATA 1...

End plate (thickness mm)		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
KrG													
PA		AP (1,5)	034056	50	AP (2,5)	069736	50	AP (1,5)	029446	20	AP (1,5)	029446	20
Blue PA					AP (2,5)	069738	50	AP (1,5)	029448	20			
Partition (thickness mm)								TW (2,0)	011890	20			
KrG													
PA					TW (1,5)	031856	20	TW (0,5)	034826	50	TW (0,5)	034826	50
Blue PA					TW (1,5)	031858	20						
Small partition													
PA								TSch 4	036336	100	TSch 4	036336	100
Cross-connection													
Q 2			036820	50	Q 2	036820	50	Q 2	033640	50	Q 2	033640	50
QB 4			036830	50	Q 3	036830	50	Q 3	033650	50	Q 3	033650	50
			036840	50	Q 4	036840	50	Q 4	033660	50	Q 4	033660	50
			066030	20	Q 5	066030	20						
			036850	20	Q 10	036850	20	Q 10	036860	20	Q 10	036860	20
Switchable cross-connection link													
VL								VL 2	044670	50	VL 2	044670	50
BS								VH 10	044660	100	VH 10	044660	100
VH								BS M 2,5x14	026680	100	BS M 2,5x14	026680	100
Cover/cover profile for shock protection*													
(see also on page 3/23)								AD 4	030340	50	AD 4	030340	50
								BSK M 2,5x18	030330	100	BSK M 2,5x18	030330	100
								ADP 4 ²⁾	137816	10	ADP 4 ²⁾	137816	10
Test plug/Socket													
StB Plug-test socket without using QL		StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50
PS contact sleeve		PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20
Marking tags													
Print													
Consecutive horizontal		FW 5	047346	500	FW 5	047346	500	FW 6	046866	500	FW 6	046866	500
Consecutive vertical		FS 5	047356	500	FS 5	047356	500	FS 6	046876	500	FS 6	046876	500

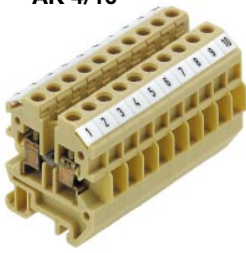
For further accessories see section 3, further marking material see section 8 u. 8

* 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 mm ²
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 mm ²
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
TS 15 Cat. No. Qty.
130336 100
(Green/yellow)
Type Cat. No. Qty.
FW 5 047346 500
FS 5 047356 500

AKE 4



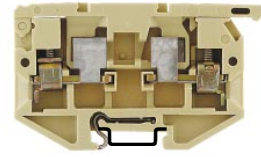
7/32/34
9 mm/M 3/3,5 x 0,6
IEC 947-7-2
690 V**/-4 mm ²
8 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5
0,13...4.0 / A 3
TS 15 Cat. No. Qty.
038026 100
(Green/yellow)
Type Cat. No. Qty.
FW 6,5 046816 500
FS 6,5 046826 500

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
TS 15 Cat. No. Qty.
021120 50
Type Cat. No. Qty.

ASK 1



8/58/34
9 mm/M 3/3,5 x 0,6
500 V/6,3 A/4 mm 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
contact sleeve 055330 100
FW 6,5 046816 500
FS 6,5 046826 500

SAKR

with 2 sockets or
with 2 clamping screws



6,5/42/45
8 mm/M 3/3,5 x 0,6
400 V ¹⁾ /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
0,13...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
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. 033740)
QB 25 ¹⁾ blank 013400 20
Type Cat. No. Qty.
PS 2.3 018040 20
FW 6,5 046816 500
FS 6,5 046826 500

¹⁾ rated voltage between PE and feed-through to VDE 0110/1.89

¹⁾ The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

* With contact sleeve 19 A

²⁾ As disconnect terminal, rated voltage 250 V

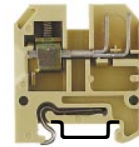
Feed-through terminals
Tab connection
Solder connection

AKZ 4 SS

AKZ 4 SS

AKZ 4 S

AKZ 4 SF



Dimensions

Width / length / height (mm)	with TS 15	6/28,5/30,5	6/28,5/30,5	6/27/30	6/27/30
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Insulation stripping length/clamping screw/screwdriver blade				9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6
--	--	--	--	--------------------	--------------------

Rated data

Rated voltage/rated current/rated cross-section		400 V/8 A/2,5/1 mm ²	400 V/8 A/1 mm ²	400 V/8 A/4/1 mm ²	400 V/8 A/4/1 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			0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver				2	2

Clampable conductor

solid H07V-U	mm ²			0,5...4	0,5...4
stranded H07V-R	mm ²			1,5...4	1,5...4
flexible H07V-K	mm ²	Tab 6.3 und 2.8 mm	Tab 2.8 mm	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm ²			0,5...4	0,5...4
flexible H07V-K and AEH with plastic collar	mm ²			0,5...4	0,5...4
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size			0.2...4/A 3	0.2...4/A 3

Continuous current rating of cross-connection 2-pole	A	20	20	20	20
Continuous current rating of cross-connection multipole	A	20	20	20	20

UL / CSA rated data

Voltage / current / conductor size	UL	-	-	150 V/20 A/22...12 AWG	-
Voltage / current / conductor size	CSA	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG

Ordering data

Type	TS 15	Cat. No.	Qty.	Type	TS 15	Cat. No.	Qty.	Type	TS 15	Cat. No.	Qty.	Type	TS 15	Cat. No.	Qty.
PA		032456	100	PA		036246	100	PA		032446	100	PA		015876	100
Blue PA															
PA															

End plate (thickness mm)

Type	PA	PA	Blue PA	HP	HP	BB	Type	PA	PA	Blue PA	HP	HP	BB	Type	PA	PA	Blue PA	HP	HP	BB
AP (1,5)		029446	20				AP (1,5)		029446	20				AP (1,5)		029446	20			

Partition (thickness mm)

Type	PA	HP	HP	Type	PA	HP	HP	Type	PA	HP	HP				
TW (0,5)		034826	50	TW (0,5)		034826	50	TW (0,5)		034826	50	TW (0,5)		034826	50

Small partition

Type	PA	HP	HP	Type	PA	HP	HP

Cross-connection

Q 2	036900	50	Q 2	036900	50	Q 2	033640	50	Q 2	033640	50
Q 3	036910	50	Q 3	036910	50	Q 3	033650	50	Q 3	033650	50
Q 4	036920	50	Q 4	036920	50	Q 4	033660	50	Q 4	033660	50
Q 10	036930	20	Q 10	036930	20	Q 10	036860	20	Q 10	036860	20

Switchable cross-connection link

VL 2	044670	50	VL 2	044670	50	VL 2	044670	50	VL 2	044670	50
VH 10	044660	100	VH 10	044660	100	VH 10	044660	100	VH 10	044660	100
BS M 2,5x14	026680	100	BS M 2,5x14	026680	100	BS M 2,5x14	026680	100	BS M 2,5x14	026680	100

Test plug/Socket

StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50
PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20

Cover

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

Insulation sleeve

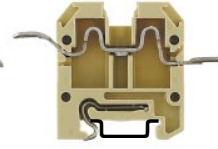
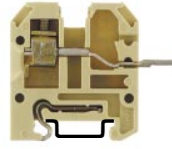
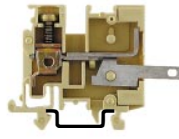
IH 2.8	038606	100	IH 2.8	038606	100	IH 2.8	038606	100	IH 2.8	038606	100
IH 6.3	038626	100	IH 6.3	038626	100	IH 6.3	038626	100	IH 6.3	038626	100

Marking tags

Print	Consecutive horizontal	FW 6	046866	500	FW 6	046866	500	FW 6	046866	500	FW 6	046866	500
1 2 3 4 5 6	Consecutive vertical	FS 6	046876	500	FS 6	046876	500	FS 6	046876	500	FS 6	046876	500

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

* Insulation sleeves are to be used with tab connections to maintain the rated voltage.

AL 1**AKZ 1.5 L****AKZ 2.5 K****AKZ 4 L****AKZ 4 LL**

AL 1			AKZ 1.5 L			AKZ 2.5 K			AKZ 4 L			AKZ 4 LL		
6,5/32/21			5/34,5/25			5/25,9/22,6			6/35,5/30			6/44/30		
			7 mm / M 2,5 / 3,0 x 0,5			7 mm / M 2,5 / 3 x 0,5			9 mm / M 3 / 3,5 x 0,6					
400 V/16 A/1 mm ² 6 kV/3			250 V/16 A/1,5 mm ² 4 kV/3			250 V/17,5 A/2,5 mm ² 4 kV/3			250 V/16 A/4/1,5 mm ² 4 kV/3			250 V/16 A/1,5 mm ² 4 kV/3		
			0,4...0,7 1			0,4...0,7 1			0,5...1,0 2					
0,5...1			0,5...2,5 1,5			0,5...4 1,5...2,5			0,5...4 1,5...4			0,5...1,5 1,5		
0,5...1			0,5...1,5 0,5...1,5 0,5...1,5 0,2...2,5 / A 1			0,5...2,5 0,5...2,5 0,5...2,5 0,13...4,0 / A3			0,5...4 0,5...4 0,5...4 0,2...4,0 / A 3			0,5...1,5 0,5...1,5 0,2...2,5 / -		
			20 20			10 10			20 20			20 20		
			150 V/10 A/24...16 AWG			300 V/10 A/26...10 AWG			300 V/20 A/22...12 AWG 300 V/10 A/24...12 AWG			300 V/20 A/22...12 AWG 300 V/10 A/24...12 AWG		
TS 15			TS 15			Type			TS 15			TS 15		
Cat. No. Qty.			Cat. No. Qty.			Cat. No. Qty.			Cat. No. Qty.			Cat. No. Qty.		
013732 100			034016 100			069666 100			033482 100 033486 100 033488 100			034646 100		
						Direct mounting with BB 1, please order separately								
Type			Type			Type			Type			Type		
AP (1,5)			AP (1,5)			AP (2,5)			AP (1,5)			AP (1,5)		
016410 100			032966 20			069726 50			029442 20 029446 20 029448 20			029446 20		
EP (1,0) EP (1,0 tropic)						BB 4 (7,5)								
016450 100						069756 50								
									TW (0,5)			TW (0,5)		
016680 50			016680 50						034826 50			034826 50		
									TSch 4			TSch 4		
									036336 100			036336 100		
			Q 2			Q 2			Q 2			Q 2		
			036820 50			036820 50			033640 50			033640 50		
			Q 3			Q 3			Q 3			Q 3		
			036830 50			036830 50			033650 50			033650 50		
			Q 4			Q 4			Q 4			Q 4		
			036840 50			036840 50			033660 50			033660 50		
			Q 10			Q 10			Q 10			Q 10		
			036850 10			036850 20			036860 20			036860 20		
									VL 2			VL 2		
									044670 50			044670 50		
									VH 10			VH 10		
									044660 50			044660 50		
									BS M 2,5 x 14			BS M 2,5 x 14		
									026680 100			026680 100		
			StB 8.5			StB 8.5			StB 8.5			StB 8.5		
			021570 50			021570 50			021570 50			021570 50		
			PS 2.3			PS 2.3			PS 2.3			PS 2.3		
			018040 20			018040 20			018040 20			018040 20		
									AD 4			AD 4		
									030340 50			030340 50		
									BSK M 2,5x18			BSK M 2,5x18		
									030330 100			030330 100		
						IH 2.8								
						038606 100								
FW 6.5			FW 5			FW 5			FW 6			FW 6		
046816 500			047346 500			047346 500			046866 500			046866 500		
FS 6.5			FS 5			FS 5			FS 6			FS 6		
046826 500			047356 500			047356 500			046876 500			046876 500		

Feed-through terminals

Screw connection

Spring clip connection iaw. DIN 41611 Part 4

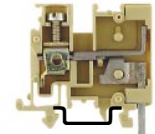
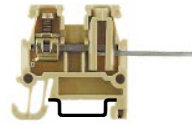
Wrap connection iaw. DIN/IEC 352 Part 1

AKZ 1.5 T

AKZ 1.5 T

AKZ 1.5 T

AKZ 2.5 K



* 035786 = 45 mm

Dimensions

Width / length / height (mm)	with TS 15	5/25/45	5/25/39,5	5/28/44	5/26/46,7
Pin dimension	mm	0,8 x 1,6	1 x 1	0,8 x 1,6	0,8 x 1,6
Insulation stripping length/clamping screw/screwdriver blade		7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5

Rated data

Rated voltage / current / cross-section		125 V/8 A/1,5 mm ²	125 V/8 A/1,5 mm ²	125 V/8 A/1,5 mm ²	125 V/10 A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity		2,5 kV/3	2,5 kV/3	2,5 kV/3	2,5 kV/3

Further technical data

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

Clampable conductor

solid H07V-U	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	0,5...4
stranded H07V-R	mm ²	1,5	1,5	1,5	1,5...2,5
flexible H07V-K	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH with plastic collar	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size	0.13...2.5 / A1	0.13...2.5 / A1	0.13...2.5 / A1	0.13...4.0 / A3

Continuous current rating of cross-connection 2-pole	A	10	10	10	10
Continuous current rating of cross-connection multipole	A	10	10	10	10

UL / CSA rated data

Voltage / current / conductor size	UL	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG
Voltage / current / conductor size	CSA	300 V/10 A/24...16 AWG		300 V/10 A/24...16 AWG	300 V/10 A/26...10 AWG

Ordering information

		Pin versions		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 Horizontal assembly	 Vertical assembly	 0.6 x 0.6		AKZ 1.5 T	044256	100	AKZ 1.5 T	048366	100	AKZ 1.5 T	040046	100	AKZ 2.5 K	069626	100
				AKZ 1.5 T	035796	100	AKZ 1.5 T	035786	100	AKZ 1.5 T	040036	100	AKZ 2.5 K	069636	100
			horizontal	AKZ 1.5 W	032946	100				AKZ 1.5 T	041036	100	AKZ 2.5 K	069646	100
			vertical										AKZ 2.5 K	069656	100
			horizontal												
			vertical												

End plate (thickness mm)

	PA	AP (1,5)	034056	50	AP (1,5)	034056	50	AP (1,5)	034056	50	AP (2,5)	069726	50
--	----	----------	---------------	----	----------	---------------	----	----------	---------------	----	----------	---------------	----

Partition (thickness mm)

	PA										TW (1,5)	031856	20
--	----	--	--	--	--	--	--	--	--	--	----------	---------------	----

Small partition

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

Cross-connection

 Q 3	2-pole	Q 2	036820	50	Q 2	036820	50	Q 2	036820	50	Q 2	036820	50
	3-pole	Q 3	036830	50	Q 3	036830	50	Q 3	036830	50	Q 3	036830	50
	4-pole	Q 4	036840	50	Q 4	036840	50	Q 4	036840	50	Q 4	036840	50
	10-pole	Q 10	036850	20	Q 10	036850	20	Q 10	036850	20	Q 10	036850	20

Switchable cross-connection link

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



Test plug/Socket

	Plug-test socket ø 2.3 mm	StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50	StB 8.5	021570	50
--	---------------------------	---------	---------------	----	---------	---------------	----	---------	---------------	----	---------	---------------	----

	PS	StB	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20
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Marking tags

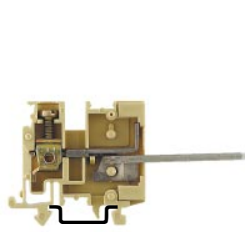
 1 2 3 4 5 6	Consecutive horizontal	FW 5	047346	500	FW 5	047346	500	FW 5	047346	500	FW 5	047346	500
	Consecutive vertical	FS 5	047356	500	FS 5	047356	500	FS 5	047356	500	FS 5	047356	500

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 mm ²
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
0,5...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

5/47,5/27
0,8 x 1,6
7 mm/M 2,5/3,0 x 0,5
250 V/8 A/2,5 mm ²
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
0,5...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

6/27/48,5
1 x 1
9 mm/M 3/3,5 x 0,6
250 V/10 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
0,5...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

6/27/50,5
0,8 x 1,6
9 mm/M 3/3,5 x 0,6
250 V/10 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
0,5...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

6/27/57,8
0,8 x 2,4
9 mm/M 3/3,5 x 0,6
250 V/10 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...4,0 / 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

6/27/50,2
0,8 x 1,6
-
250 V/10 A/2,5 mm ²
4 kV/3
-
-
0,5...2,5 / -
20
20
-
-
Type Cat. No. Qty.
AKZ 4 ST 043926 100

AP (2,5) 069726 50
TW (1,5) 031856 20

AP (2,5) 069726 50
TW (1,5) 031856 20

AP (1,5) 029446 20
TW (1,5) 034826 50
TSch 4 036336 100

AP (1,5) 029446 20
TW (1,5) 034826 50
TSch 4 036336 100

AP (1,5) 029446 20
TW (1,5) 034826 50
TSch 4 036336 100

AP (1,5) 029446 20
TW (1,5) 034826 50

Q 2 036820 50
Q 3 036830 50
Q 4 036840 50
Q 10 036850 20

Q 2 036820 50
Q 3 036830 50
Q 4 036840 50
Q 10 036850 20

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

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

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

Q 2 036900 50
Q 3 036910 50
Q 4 036920 50
Q 10 036930 20

StB 8,5 021570 50
PS 2.3 018040 20
FW 5 047346 500
FS 5 047356 500

StB 8,5 021570 50
PS 2.3 018040 20
FW 5 047346 500
FS 5 047356 500

StB 8,5 021570 50
PS 2.3 018040 20
FW 6 046866 500
FS 6 046876 500

StB 8,5 021570 50
PS 2.3 018040 20
FW 6 046866 500
FS 6 046876 500

StB 8,5 021570 50
PS 2.3 018040 20
FW 6 046866 500
FS 6 046876 500

StB 8,5 021570 50
PS 2.3 018040 20
FW 6 046866 500
FS 6 046876 500

Feed-through terminals for temperature measuring circuits

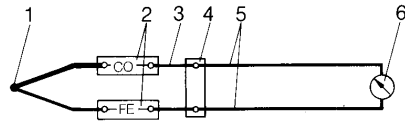
AKZ 4/TC



Weidmüller thermocouple terminals are specially designed for transmitting the smallest voltages in temperature measuring circuits. Special busbars ensure that no false signals occur in the terminal when temperature differences exist in the positive and negative path. This high measuring precision is necessary for, e.g. test beds aircraft engines, for complicated chemical processes, control, etc.

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Row width 14 mm including end plate

Configuration of a temperature measuring circuit



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

The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple. Thermocouple terminals are required for the construction of temperature measuring circuits.

Dimensions

Width / length / height (mm) with TS 15

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage / current / cross-section

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

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 information

for thermocouples Type J Fe - CuNi

according to IEC 584 Type T Cu - CuNi

(DIN 43710) Type K NiCr - Ni

Type E NiCr - CuNi

14/27/30

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

-/-/4 mm²

0,5...1

2

0,5...4

1,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

A

A

UL

CSA

TS 15 Cat. No. Qty.

162701 20

on request

167713 20

on request

End plate

AP (thickness 1.5 mm) PA

Cat. No. 029446 20

Partition

TW (thickness 0.5 mm) PA

034826 50

Technical data

Thermocouples according to IEC 584 (DIN 43 710)

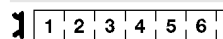


Busbar

Constantan

Iron

Marking tags



Consecutive horizontal

Consecutive vertical

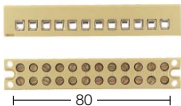
FW 6 046866 500

FS 6 046876 500

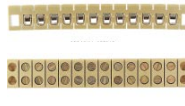
For further accessories see section 3, further marking material see section 8

Multipole terminal blocks
Screw connection

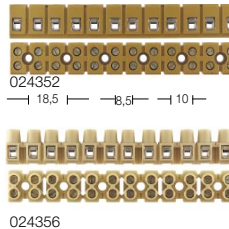
MK 2/12



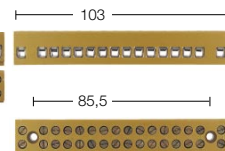
MK 10/14



MK 3/12



MK 4/16



Dimensions

Width / length / height (mm)	86/15/15	88,5/13,5/12	110/15/16,1	103/17/16
------------------------------	----------	--------------	-------------	-----------

Insulation stripping length/clamping screw/screwdriver blade

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

Rated data VDE 0611 Part 1 / 8.92 / IEC 947-7-1

Rated voltage / current / cross-section	125 V/24 A/2,5 mm ²	125 V/24 A/2,5 mm ²	400 V/24 A/2,5 mm ²	400 V/24 A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity	2,5 kV/3	2,5 kV/3	6 kV/3	6 kV/3

Further technical data

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

Clampable conductor

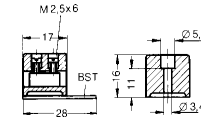
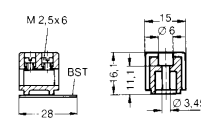
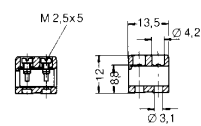
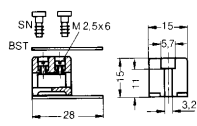
solid H07V-U	mm ² 0,5...4	0,5...4	0,5...4	0,5...4
stranded H07V-R	mm ² 1,5...2,5	1,5...2,5	1,5...2,5	1,5...2,5
flexible H07V-K	mm ² 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm ² 0,5...1,5	0,5...1,5	0,5...1,5	0,5...1,5
flexible H07V-K and AEH with plastic collar	mm ² 0,5...1,5	0,5...1,5	0,5...1,5	0,5...1,5
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size 0,2...4.0 / A 2	0,2...4.0 / A 2	0,2...4.0 / A 2	0,2...4.0 / A 2

Continuous current rating of cross-connection 2-pole A
 Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size	UL 300 V/10 A/24...12 AWG	150 V/25 A/22...12 AWG	300 V/25 A/22...12 AWG	150 V/20 A/22...12 AWG
Voltage / current / conductor size	CSA 300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG	300 V/25 A/22...12 AWG	150 V/15 A/22...12 AWG

Ordering data	Version	Type			Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
		Type	Cat. No.	Qty.									
2-pole													
3-pole													
4-pole													
4-pole													
6-pole													
6-pole													
8-pole													
8-pole													
10-pole													
12-pole		MK 2/12 PA	024126	50									
12-pole													
14-pole													
16-pole													



The MK 10/14 can be mounted with glue or with M 3 x 12 screws through the empty terminal point aperture

*DIN EN ISO 1207

Solder tag/expansion rivet

MF 2/12	024176	50
SN	020010	500

Marking strips

Printed	BSTb 28/12	024570	50
	Bottom		
	BSTb 28/12	027850	50
	Top		
Unprinted	BSTo 28/12	024560	50

Printed	BSTb 28/12	024590	50
	BSTb 28/8	029020	50
	BSTb 28/6	029000	50
	BSTb 28/4	028980	50
Unprinted	BSTo 28/12	024580	50
	BSTo 28/8	028470	50
	BSTo 28/6	028950	50
	BSTo 28/4	028930	50

Printed on top on request

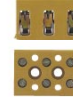
Multipole terminal blocks
Screw/tab connection

MK 5/2

KS 2...10

BK 2...12

MK 6/2...6/6



Dimensions

Width / length / height (mm)	40/18/15,5	See table below	See table below	See table below
------------------------------	------------	-----------------	-----------------	-----------------

Insulation stripping length/clamping screw/screwdriver blade	5 mm/M 2,5/3,5 x 0,6	8 mm/M 3/4,0 x 0,8	8 mm/M 3/4,0 x 0,8	9 mm/M 4/4,0 x 0,8
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VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section	500 V/24 A/2,5 mm ²	500 V/24 A/2,5 mm ²	400 V/32 A/4 mm ²	690 V/41 A/6 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity	6 kV/3	6 kV/3	6 kV/3	8 kV/3

Further technical data

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

Clampable conductor

solid H07V-U	mm ²	0,5...4	0,5...4	0,5...4	0,5...6
stranded H07V-R	mm ²	1,5...2,5	1,5...2,5	1,5...4	1,5...6
flexible H07V-K	mm ²	0,5...2,5	0,5...2,5	0,5...4	0,5...6
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...1,5	0,5...1,5	0,5...4	0,5...4
flexible H07V-K and AEH with plastic collar	mm ²	0,5...1,5	0,5...1,2	0,5...4	0,5...4
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size	0,2...4,0 / A 2	0,2...4,0 / A 2	0,33...4,0 / A 3	0,33...6,0 / A 3

Continuous current rating of cross-connection	2-pole	A			
Continuous current rating of cross-connection	multipole	A			

UL / CSA rated data

Voltage / current / conductor size	UL		300 V/20 A/22...12 AWG	300 V/10 A/22...12 AWG	300 V/30 A/22...10 AWG
Voltage / current / conductor size	CSA		300 V/25 A/24...12 AWG	300 V/10 A/22...12 AWG	300 V/40 A/22...10 AWG

Ordering data

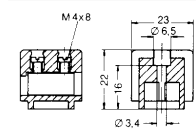
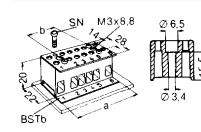
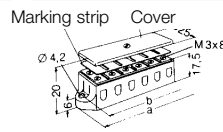
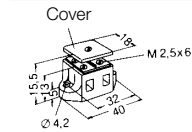
Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
2-pole	MK 5/2 KrG	024382	100	KS 2 KrG ²	013442	100	BK 2 KrG	019772	50	MK 6/2 KrG	062042	50
3-pole				KS 4 KrG ²	014032	50	BK 3 KrG	019782	50	MK 6/3 KrG	062032	50
4-pole				KS 6 KrG ²	014062	50	BK 4 KrG	019522	50	MK 6/4 KrG	062022	20
4-pole							BK 6 KrG	019532	50	MK 6/4 PA	062026	20
6-pole				KS 10 KrG ²	014162	20				MK 6/6 KrG	062012	20
6-pole				Cover			BK 12 KrG	019892	50	MK 6/6 PA	062016	20
8-pole				D 2 (for MK 5/2)	024406	50						
8-pole												
10-pole				D 2 (for KS 2)	013450	100						
12-pole				D 4 (for KS 4)	014050	50						
12-pole				D 6 (for KS 6)	014080	50						
				D 10 (for KS 10)	014180	20						



Cover D 2
(for MK 5/2)



Cover D 4
(for KS 4)



Dimensions

Type	a	b
KS 2	42	32
KS 4	66	56
KS 6	90	80
KS 10	138	128

Dimensions

Type	a	b
BK 2	20	-
BK 3	31	11
BK 4	38	18
BK 6	52	32
BK 12	92	72,5

Dimens. Length/attachment dim

Type	Length	Attachment dim
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

ELSb 4

ELSb 6

ELSb 10

ELSo 2

ELSo 4

ELSo 6

ELSo 10

BSTb 28/2

BSTb 28/3

BSTb 28/4

BSTb 28/6

BSTb 28/12

BSTo 28/2

BSTo 28/3

BSTo 28/4

BSTo 28/6

BSTo 28/12

BSTb 28/6

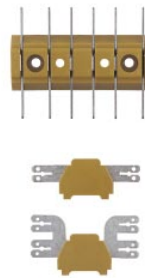
¹) Projecting length = 1 mm. To be considered for the last terminal in a row!
Printed on top on request

²) Please order cover and marking strips separately.

MDM 10/1



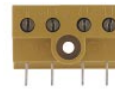
MF 1/6...1/12



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 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

63 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

47

36

600 V/65 A/22...6 AWG

600 V/55 A/22...6 AWG

Type	Cat. No.	Qty.
MDM 10/1	912616	50

Direct mounting with an MB left and MB right

See table below

-

400 V/16 A/2,5/1 mm²

6 kV/3

-

-

300 V/10 A/24...12 AWG

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

Type	Cat. No.	Qty.
MF 1/6 KrG ²⁾	047972	100
MF 1/6 KrG ³⁾	048002	100
MF 1/8 KrG ²⁾	047982	50
MF 1/8 KrG ³⁾	048012	50
MF 1/12 KrG ²⁾	047992	50
MF 1/12 KrG ³⁾	048022	50

See below

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

400 V/16 A/4 mm²

6 kV/3

0,8...1,6

3

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.33...4.0 / A 3

-

-

Screw/plug 6,3 x 0,8

Type	Cat. No.	Qty.
SLS 2/2 KrG	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
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Cross-connection



Q 2	045710	50
Q 3	045720	50
Q 4	045730	50
Q 10	045740	20

Switchable cross-connection link



VL 2	013590	50
VH 19	028510	50
BS M 3 x 25	029250	100

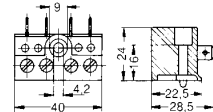
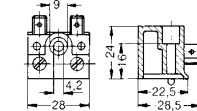
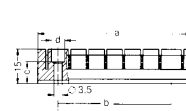
Test plug/Socket/Insulation sleeve



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	



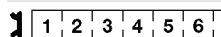
Cover/markings strips



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

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

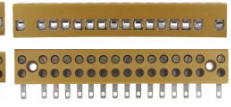
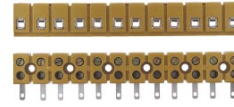
Multipole terminal blocks
Screw, solder, tab connection

MKL 2/12

MF 2/12

MKL 3/12

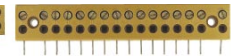
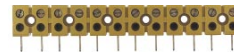
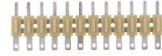
MKL 4/16



024186

024362

026202



024176

024992

024432

Dimensions

Width / length / height (mm)	88/23/15	75/24/6	110/23/16	103/24/16,5
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Insulation stripping length/clamping screw/screwdriver blade	5 mm/M 2,5/3,5 x 0,6	5 mm	5mm/M 2,5/3,5 x 0,6	5mm/M 2,5/3,5 x 0,6
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Rated data				
Rated voltage/rated current/rated cross-section	125 V/20 A/2,5/1,5/1 mm ²	63 V/17,5 A/1,5/1 mm ²	400 V ^{*)} /20 A/2,5/1,5/1 mm ²	400 V/20 A/2,5/1,5/1 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity	2,5 kV/3	1,5 kV/3	6 kV/3	6 kV/3

Further technical data				
Tightening torque range	Nm 0,4...0,6		0,4...0,6	0,4...0,6
Torque setting with DMS 2 electric screwdriver	1		1	1

Clampable conductor				
solid H07V-U	mm ² 0,5...2,5		0,5...4	0,5...4
stranded H07V-R	mm ² 1,5...2,5		1,5...2,5	1,5...2,5
flexible H07V-K	mm ² 0,5...2,5		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...1,5	0,5...1,5
flexible H07V-K and AEH with plastic collar	mm ² 0,5...2,5		0,5...1,5	0,5...1,5
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988 Size	0,2...2,5 / A 2		0,33...4,0 / A 2	0,33...4,0 / A 2

Continuous current rating of cross-connection 2-pole	A			
Continuous current rating of cross-connection multipole	A			

UL / CSA rated data				
Voltage / current / conductor size	UL 300 V/10 A/24...12 AWG		300 V/25 A/22...12 AWG	300 V/25 A/22...12 AWG
Voltage / current / conductor size	CSA 300 V/10 A/24...12 AWG		300 V/25 A/22...12 AWG	150 V/15 A/22...12 AWG

Ordering data	Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Horizontal	2-pole				MKL 3/2 KrG	027492**	100
Other numbers of poles available on request	4-pole				MKL 3/4 KrG	027512**	100
	6-pole				MKL 3/6 KrG	027532**	50
	12-pole	MKL 2/12 PA	024136	50	MKL 3/12 KrG	024362**	20
	16-pole						

Vertical	2-pole				MKL 3/2 KrG	027602*	100
Other numbers of poles available on request	4-pole						
	6-pole				MKL 3/6 KrG	027642*	50
	12-pole				MKL 3/12 KrG	024992*	20
	16-pole						

double-sided 2.8 x 0.8	MF 2/12 PA	024186	50
single-sided 0.8 x 1.6/2.8 x 0.8	MF 2/12 PA	024176	50

* For terminals mounted directly next to each other, the rated voltage is reduced to 250 V.

** Rated voltage 250 V. For terminals mounted directly next to each other, the rated voltage is reduced to 125 V.

Expansion rivet/insulating sleeve						
IH	SN	020010	500	IH 2.8	038606	100

Marking strips	Printed	BSTb 28/12	024570	50	BSTb 28/4	028980	50	BSTb 28/16	026220	50
	1 ...	Bottom			BSTb 28/6	029000	50	unten		
		Top	027850	50	BSTb 28/12	024590	50	oben	027870	50

	unbedruckt	BSTo 28/12	024560	50	BSTo 28/4	028930	50	BSTo 28/16	026210	50
					BSTo 28/6	028950	50			
					BSTo 28/12	024580	50			

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

* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

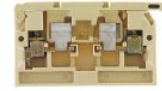
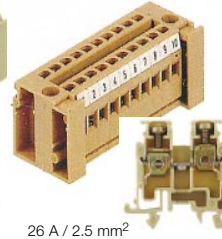
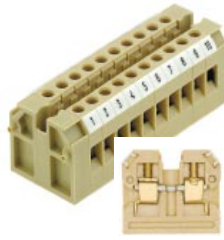
*) Rated voltage 250 V

Multipole terminal blocks
Screw, solder, tab connection
Modular design

AKB 4

AKZ 2.5

ASK 1



Max. Technical Data

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

Torque setting with DMS 2 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...4
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...4
flexible H07V-K and AEH with plastic collar	mm ²	0,5...4
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size	0.33...4.0 / A3

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

Voltage / current / conductor size

Ordering data

	UL	300/250 V/27 A/22...12 AWG
	CSA	300 V/10 A/22...12 AWG
	PA	AKB 4 PA 032156 100
	Blue PA	032158 100

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

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

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

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	PA	BB 1 (7) 032056 50
Blue PA	Blue PA	BS M 3 x 15 035900 100

Partition (Thickness mm)

TW PA (0,5)	034826 50
-------------	------------------

Small partition

TSch 4	036336 100
--------	-------------------

Cross-connection

Q 2	033640 50	Q 2	036820 50	QB 2 ¹⁾	046110 50
Q 3	033650 50	Q 3	036830 50	QB 3 ¹⁾	046120 50
Q 4	033660 50	Q 4	036840 50	QB 4 ¹⁾	046130 50
Q 10	036860 20	Q 10	036850 20		

Switchable cross-connection link

VL 2	044670 50
VH 10	044660 50
BS M 2,5 x 14	026680 100

Test plug/Socket

StB 8.5	021570 50	StB 8.5	021570 50
PS 2.3	018040 20	PS 2.3	018040 20

Cover/Diode plug

AD 4	030340 50	contact sleeve	055330 100
BSK M 2,5x18	030330 100		

Marking strips

FW 6	046866 500	FW 5	047346 500	FW 6.5	046816 500
FS 6	046876 500	FS 5	047356 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

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

stranded H07V-R

flexible H07V-K

flexible H07V-K and AEH DIN 46 228/1

flexible H07V-K and AEH with plastic collar

Max. Clamping Range in 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)



Type Cat. No. Qty.

KrG AP (3) **016252** 100

PA

AP (3) **047626** 50

EP

AP (3) **036000** 20

Spacer (thickness mm)



KrG ZP (1,5) **024072** 50

KrG ZP (2,5) **028852** 20

Partition (thickness mm)



TW

TW (0,5) **044230** 50

TW (0,5) **044230** 50

TW (0,5) **044230** 50

Test plug/Socket



PS



StB

PS 2.3 **018040** 20

Fuse pin/insulation sleeve/expansion rivet



IH

SST 1.2 **030660** -

IH 2.8 **038606** 100

SST 1.2 **030660** -

IH 2.8 **038606** 100

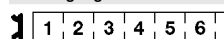
SST 1.2 **030660** -

IH 2.8 **038606** 100

IH 6.3 **038626** 100

Marking tags

Print



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.

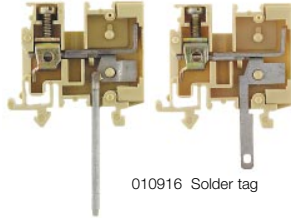
ADK 3 W



ADK 1 T



AKZ 2.5 K

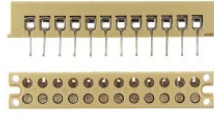


010916 Solder tag

ADK 1 FT



MK 2/12



6/22/57,5
8,4/21
-
250 V/8 A/1,5 mm ²
4 kV/3
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
300 V/15 A/-
1,5 Qty.
035980 100

6/22/50,5
19,5...21,9
9 mm/M 3/3,5 x 0,6
400 V/8 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
0,5...2,5
0,13...4,0 / A3
10
300/250 V/10 A/26...12 AWG
300 V/15 A/26...12 AWG
1,5 Qty. 2,5 Qty.
052146 100 051766 100
037236 100 037226 100
036636 100 036626 100

5/26/45,5
22,4...23,6
7 mm/M 2,5/3,0 x 0,5
250 V/8 A/2,5 mm ²
4 kV/3
0,4...0,7
1
0,5...2,5
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,13...2,5 / A2
10
300/250 V/10 A/22...12 AWG
300 V/10 A/26...10 AWG
1,5 Qty. 100
010916 Solder tag
010896 100
010906 100

6/22/52
24
11 mm/M 2,5/3,5 x 0,6
250 V/10 A/2,5 mm ²
4 kV/3
0,4...0,7
1
0,5...2,5
1,5...2,5
0,5...2,5
0,5...1,5
0,5...1,5
0,33...2,5 / A2
-
-
-
300 V/3 A/22...14 AWG
1,5 Qty. 2,5 Qty.
017696 100 017706 100

86/15/23
8
5
63 V/20 A/2,5/1,5 mm ²
1,5 kV/3
0,4...0,6
1
0,5...2,5
1,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5
0,2...2,5 / A2
-
-
300 V/10 A/24...12 AWG
300 V/10 A/24...12 AWG
Cat. No. Qty.
024146 50

Type	Cat. No.	Qty.
AP (3)	036000	20
TW (0,5)	044230	50
SST 1.2	030660	-
IH 2.8	038606	100
FW 6	046866	500
FS 6	046876	500

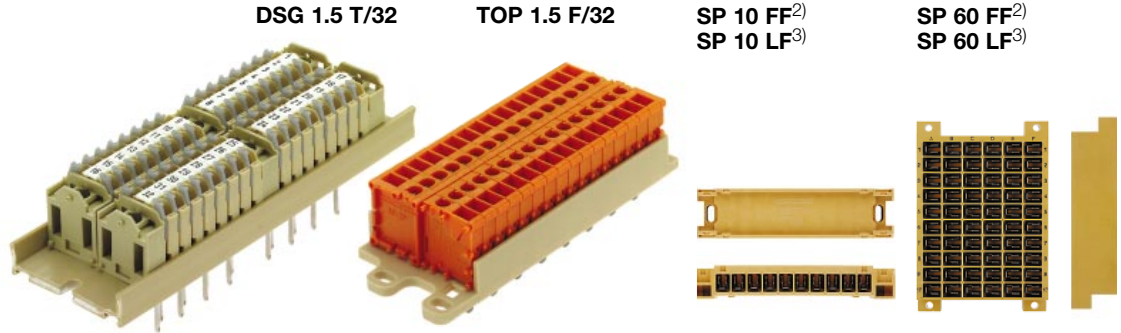
Type	Cat. No.	Qty.
AP (3)	047626	50
TW (0,5)	044230	50
PS 2.3	018040	20
SST 1.2	030660	-
FW 6	046866	500
FS 6	046876	500

Type	Cat. No.	Qty.
AP (3)	069726	50
TW (1,5)	031856	20
PS 2.3	018040	20
StB 8.5	021570	50
IH 2.8	038606	100
FW 5	047346	500
FS 5	047356	500

Type	Cat. No.	Qty.
AP (3)	047626	50
TW (0,5)	044230	50
SST 1.2	030660	-
FW 6	046866	500
FS 6	046876	500

Type	Cat. No.	Qty.
SN	020010	500
BSTb 28/12	024570	50
BSTo 28/12	024560	50

Rack mounted interface system



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.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Pin 1.0 x 1.0	PA			TOP 1.5 F/32	044316 ¹⁾	5						
Pin 0.8 x 2.8 (push-on), unprinted	PA			TOP 1.5 F/32	026536	10						
Pin 0.8 x 2.8 (push-on), printed, 1...32	PA			TOP 1.5 F/32	030156	10						
Pin 0.8 x 2.8 (push-on), printed, 1...32, blue	PA			TOP 1.5 F/32	030158	10						
6 x plug (6.3 x 0.8)	KrG						SP 10 FF	045622	10	SP 60 FF ⁴⁾	034032	1
6 x plug (6.3 x 0.8), blue	KrG									SP 60 FF ⁴⁾	034037	1
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted	KrG									SP 60 FF ⁴⁾	060902	1
6 x plug (6.3 x 0.8), or 12 x 2.8 x 0.8 slotted, blue	KrG											
3 x plug (6.3 x 0.8)/1 x solder per pole	KrG						SP 10 LF	048052	10	SP 60 LF ⁴⁾	034372	1
3 x plug (6.3 x 0.8)/1 x solder per pole, blue	KrG									SP 60 LF ⁴⁾	034377	1
3 x plug (6.3 x 0.8 or 6 x 2.8 x 0.8)/1 x solder	KrG									SP 60 LF ⁵⁾	012452	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 ⁵⁾	012457	1
2 x direct connection, 1 x pin 0.8 x 1.6	PA	DSG 1.5 T/32	063086	5								

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 6.3	038626	100	IH 6.3	038626	100

Marking tags

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⁾



40/45,5/228,5/110					
217/90					
400* V/16 A/2,5/1,5 mm ²					
6 kV/3					
300/250 V/10 A/-					
-					
Type	Cat. No.	Qty.			
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			

²⁾ FF = Tab - Tab
³⁾ LF = Solder - Tab

Rack mounted interface system



RV 8/8 long



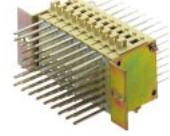
RV 8/8 short



RV 8/9 long



RV 8/9 short



Technical data according to VDE

Pin versions (internal)

0,8 x 2,4/1 x 1
0,8 x 2,4/0,8 x 2,4

Plug adapter

1-pole
for connection of solid and flexible solid conductors from 0.75 to 1.5 mm² directly on to the pins of the interface system.

125 V~/--

Type	Cat. No.	Qty.
DSA 1	046886	1
DSA 1	046896	1

125 V~/--

Type	Cat. No.	Qty.
DSA 1	046716	1
DSA 1	046726	1

105 V~/--

Type	Cat. No.	Qty.
DSA 1	049896	1
DSA 1	049906	1

125 V~/--

Type	Cat. No.	Qty.
DSA 1	044406	1
DSA 1	054596	1

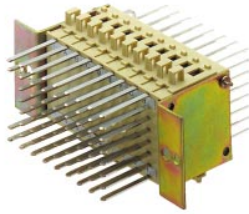
With shield pins

Type	Cat. No.	Qty.
DSA 1	057606	50

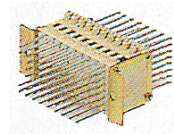
With shield pins

Type	Cat. No.	Qty.
DSA 1	057606	50

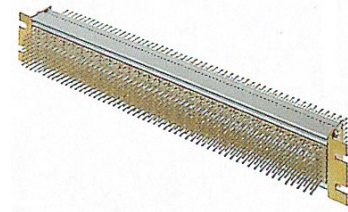
RV 4/9 short



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~/--

Type	Cat. No.	Qty.
DSA 1	137896	1
DSA 1	138296	1

With potential compensation

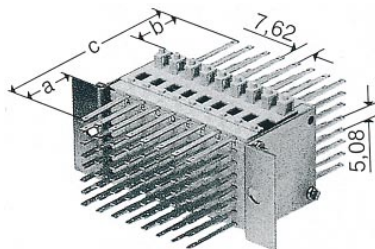
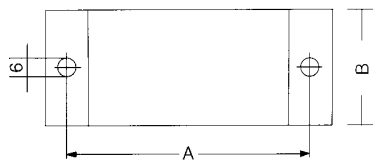
Type	Cat. No.	Qty.
DSA 1	057606	50
DSA 1/8	014076	40

125 V~/--

Type	Cat. No.	Qty.
DSA 1	011936	1
DSA 1	054446	1

125 V~/--

Type	Cat. No.	Qty.
DSA 1	046226	1
DSA 1	053306	1



Type	Size A		Size B	
	in mm		in mm	
RV 8/8 K	81		40,64	
RV 8/9 K	89		40,64	
RV 8/8 L	93		40,64	
RV 8/9 L	100		40,64	
RV 8/20 K	187,62/31,5		63	
RV 8/56 K	460/31,5		63	

(K = short/L = long)

Bestell.-Nr.	RV	a	b	c
046886	8/8 L	26	20	200
046896	8/8 L	26	26	206
049896	8/9 L	26	20	200
049906	8/9 L	26	26	206
046716	8/8 K	26	20	84
046726	8/8 K	26	26	89
044406	8/9 K	26	20	84
054596	8/9 K	26	26	89
011936	8/20 K	26	20	84
054446	8/20 K	26	26	89
046226	8/56 K	26	20	84
053306	8/56 K	26	26	89
137896	4/9 K	26	20	84
138296	4/9 K	26	26	89

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