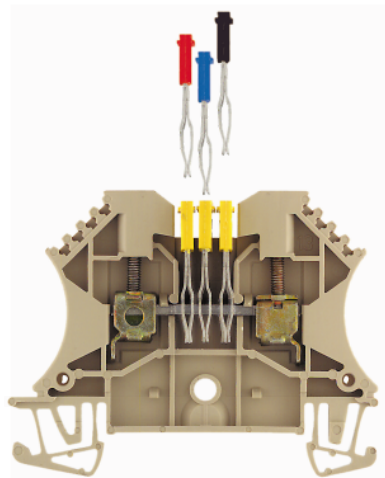
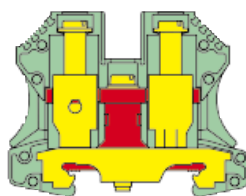


Terminals

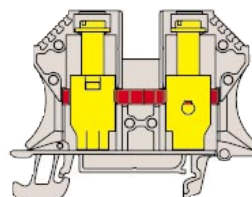
W-Series



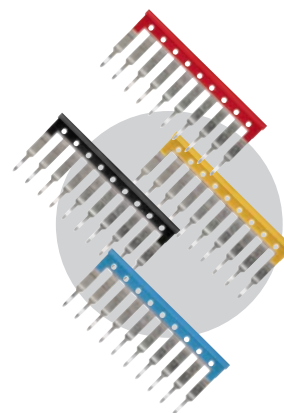
Pluggable cross-connections for
WDU 2.5 Page 2/4



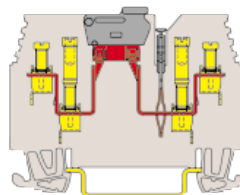
Installation terminal blocks
WPE 35 N Page 2/14



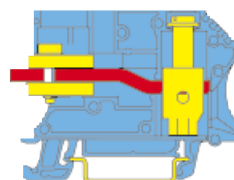
Installation terminal blocks
WDU 35 N Page 2/9



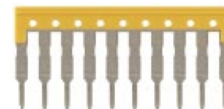
different colour versions
ZQV Cross-connections Page 2/5



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



Installation terminal blocks
WNT 35 N Page 2/17



Cross-connections Page 2/4

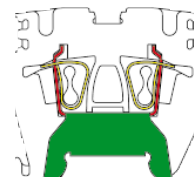
Z- Series Miniblocks in tension clamp technology



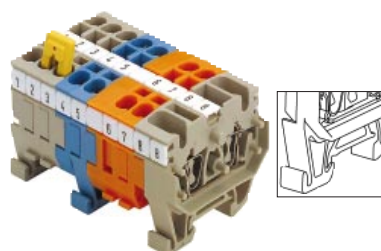
ZDUB 2.5-2 Direct mounting Page 2/57



ZDUB 2.5-2 TS15/TS35 Page 2/57



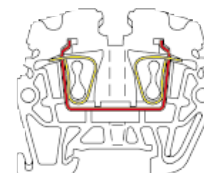
ZPEB 2.5-2/2AN TS15 Page 2/59



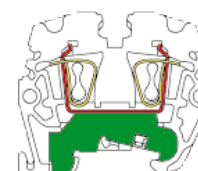
ZDUB 2.5-2 TS15 Page 2/57



ZDUB 2.5-2 Rastclip Page 2/57



ZDUA 2.5-2 TS15 Page 2/59

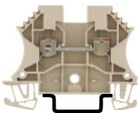


ZPEA 2.5-2 TS15 Page 2/59

Terminals

W Series - Innovative terminals made of inflammable polyamide

Feed-through terminal blocks in Wemid for TS 35



WDU 2.5

Page 2/5



WDU 2.5/10

Page 2/5



WDU 2.5N
WDU2.5N/10/BEZ

Page 2/6



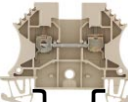
WDU 1.5/ZZ

Page 2/6



WDU 2.5/1.5/ZR

Page 2/6



WDU 2.5
WDU 2.5/10/BEZ

Page 2/6



WDK 2.5
WDK 2.5/10/BEZ

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WDK 2.5
800 V

Page 2/7



WDK 2.5 V

Page 2/7



WDK 2.5 DU-PE

Page 2/7



WDK 2.5 E
WDK 2.5 E GET.SCH.

Page 2/7



WDU 4
WDU 4/10/BEZ

Page 2/7



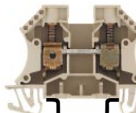
WMA 4/5
WMA 4/4

Page 2/8



WDU 6
WDU 6/10/BEZ

Page 2/8



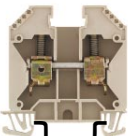
WDU 10

Page 2/8



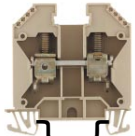
WDU 16N

Page 2/8



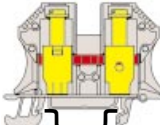
WDU 16

Page 2/9



WDU 16/ZA
with lug

Page 2/9



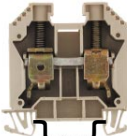
WDU 35N

Page 2/9



WDU 35

Page 2/9



WDU 35/ZA
with lug

Page 2/9



WDU 70N

Page 2/9



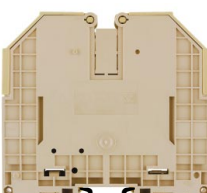
WDU 70/95

Page 2/10



WDU 70/95/...
Block of three

Page 2/11



WDU 120/150

Page 2/11



WDU 120/150/...
Block of three

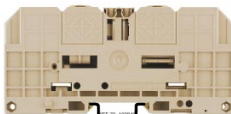
Page 2/11

Tab connection terminals in Wemid for TS 35



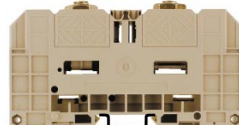
WFF 35
M 6

Page 2/12



WFF 70
M 8

Page 2/12



WFF 120
M10

Page 2/13



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

Page 2/13

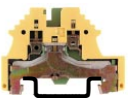
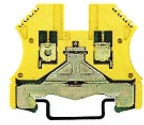


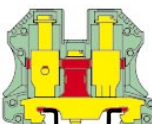
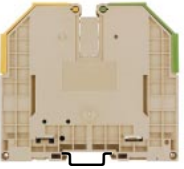
WFF 300
M 16

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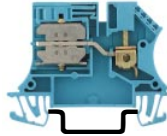
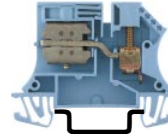
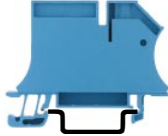
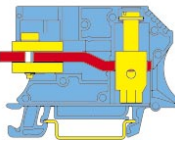
2/11 Weidmüller

Protective conductor terminal blocks in Wemid for TS 35

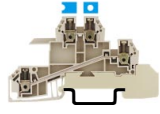
							
WPE 2.5N	WPE 1.5/ZZ	WPE 2.5	WPE 2.5/1.5/ZR	WDK 2.5 PE	WDK 2.5 DU-PE	WPE 4	WPE 6
Page 2/14	Page 2/14	Page 2/14	Page 2/14	Page 2/15	Page 2/15	Page 2/15	Page 2/15

							
WPE 10	WPE 16N	WPE 16	WPE 35N	WPE 35	WPE 70N	WPE 70/95	WPE 120
Page 2/14	Page 2/14	Page 2/14	Page 2/14	Page 2/15	Page 2/15	Page 2/15	Page 2/15

Isolating neutral terminal blocks in Wemid for TS 35

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

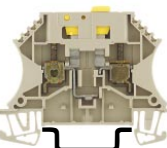
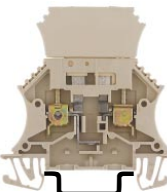
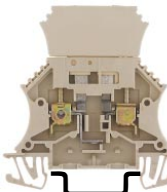
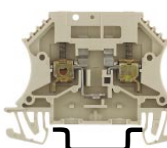
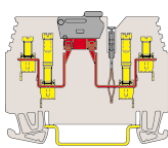
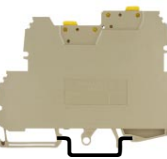
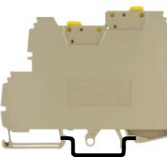
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

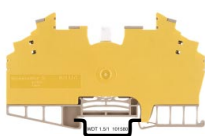
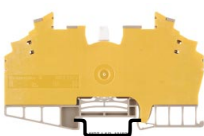
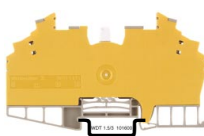
							
WDL 2.5 S/NT/L/PE	WDL 2.5 S/L/L	WDL 2.5 S-Blocks	WDL 2.5 S/N	WDL 2.5 S/L	WDL 2.5 S/N/L	WDL 2.5 S/N/L/PE	WDL 2.5 S/L/L/PE
Page 2/18	Page 2/18	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19

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

						
WDL 2.5 NT/L/PE	WDL 2.5 L/L	WDL 2.5 N	WDL 2.5 L	WDL 2.5 N/L	WDL 2.5 N/L/PE	WDL 2.5 L/L/PE
Page 2/20	Page 2/20	Page 2/21	Page 2/21	Page 2/21	Page 2/21	Page 2/21

Disconnect test terminal blocks in Wemid

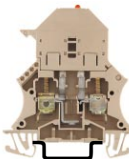
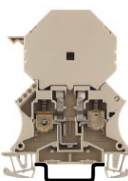
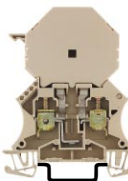
						
WTR 2.5 Take-out disconnect	WTR 2.5 D with diode plug	WTR 2.5 D with diode plug and socket type StB 2.3	WTR 2.5 without breaker	WTR 2.5/ZZ	WDTR 2.5	WDTR 2.5/WE
Page 2/22	Page 2/22	Page 2/22	Page 2/22	Page 2/23	Page 2/23	Page 2/23

					
WDL 2.5TR-DU-PE	WDL 2.5TR-DU	SAKC 4/35	WDT 1.5/1 current measuring	WDT 1.5/2 insulation measuring	WDT 1.5/3 insulation measuring
Page 2/23	Page 2/23	Page 2/23	Page 2/24	Page 2/24	Page 2/24

Disconnect test terminal in wemid for TS 35 and TS 32

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

Fuse terminals in Wemid for TS 35

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

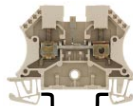
Fuse terminals in Wemid for TS 35

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

Thermocouple terminals


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

Terminals with plug-in connection WSA

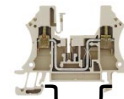


WDU 4 SA

400 V

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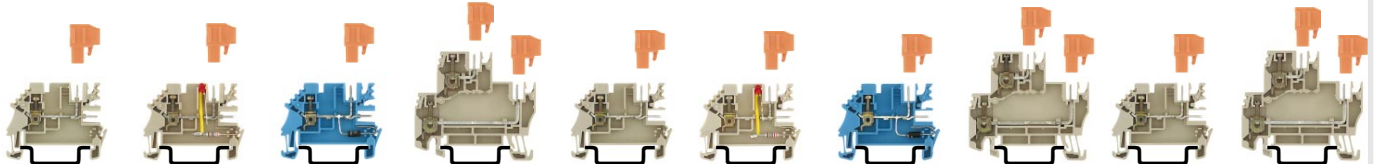
Terminal housing to take electronic components



WPO

Page 2/35

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



WDU 1.5/BLA

Page 2/36

WDU 1.5/LD/BLA

with LED red

Page 2/36

WDU 1.5 R/BLA

blue

Page 2/36

WDK 2.5 BLA R 5.08

250 V

Page 2/36

WDU 1.5 BLZ 5.08

Page 2/37

WDU 1.5/BLZ/LD/5.08

with LED red

Page 2/37

WDU 1.5/BLZ/R 5.08

blue

Page 2/37

WDK 2.5/BLZ R 5.08

250 V

Page 2/37

WDU 2.5/BLZ R 7.62

400 V

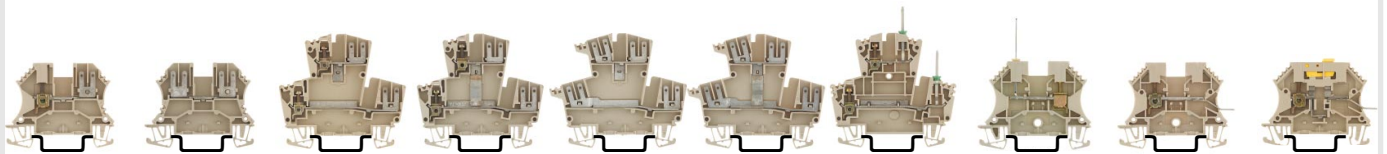
Page 2/37

WDK 2.5/BLZ R 7.62

400 V

Page 2/37

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



WDU 2.5 F

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WDU 2.5 FF

Page 2/38

WDK 2.5 F

Page 2/38

WDK 2.5 FV

Page 2/38

WDK 2.5 FF

Page 2/39

WDK 2.5 FFV

Page 2/39

WDK 2.5 T WDK 2.5 TT

Page 2/39

WDU 2.5 T

Page 2/39

WDU 2.5 L WDU 2.5 LL

Page 2/39

WTR 2.5 L WTR 2.5 LL

Page 2/39

Feed-through terminals with tab-connection



AST 1

Page 2/40

AST 4

Page 2/40

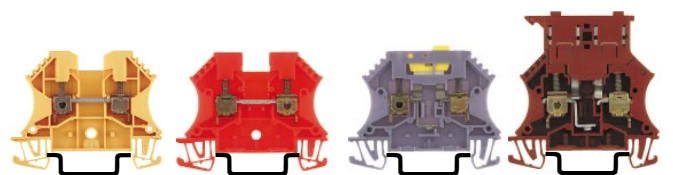
AST 5

Page 2/40

SAK 4 S/35 SAK 4 SS/35

Page 2/40

Terminal blocks coloured



WDU 2.5

Page 2/41

WDU 4

Page 2/41

WTR 2.5

Page 2/41

WSI 6

Page 2/41

Terminals

Z Series - Innovative terminals with tension clamp connection

Feed-through terminals in Wemid for TS 35

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

Protective earth terminals in Wemid for TS 35

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

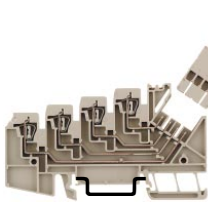
Disconnect test terminals in Wemid for TS 35

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

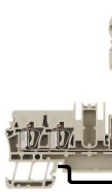
Fuse terminals in Wemid for TS 35

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

Terminals with plug-in connector

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

Feed-through terminal with connector socket

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

Protective earth terminal with connector socket

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

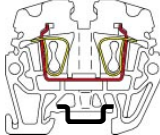
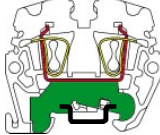
Feed-through terminal with connector socket

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

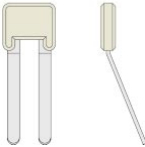
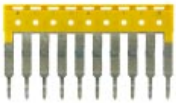
Miniblock terminals

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

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

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

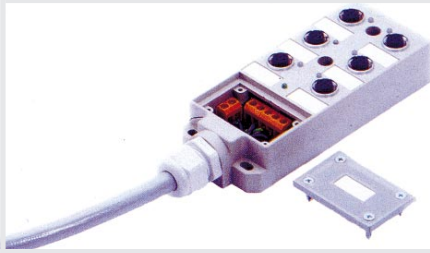
Accessories for the Z Series

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

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

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

SAI distributor family



SAI- (4...6...8) K / SAI- (4...6...8) S

Pluggable screw connection for bus line

Page 2/68



Miniature circular connectors

SAIS-5/7

Page 2/69



Miniature circular connectors

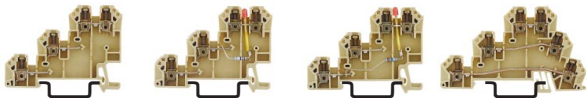
SAISW-5/7

Page 2/69

DL-, VL series

Innovative terminals with several connection levels

Feed-through terminals for initiators and actuators



DLI 2.5

Page 2/70

DLI 2.5/LD

with LED (NPN)

Page 2/70

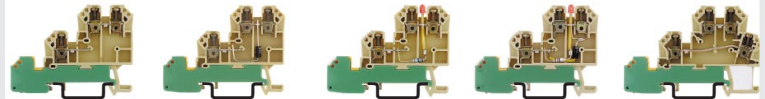
DLI 2.5/LD

with LED (PNP)

Page 2/70

DLD 2.5

Page 2/70



DLA 2.5

Page 2/71

DLA 2.5/D

with Diode

Page 2/71

DLA 2.5/LD

with LED

Page 2/71

DLA 2.5/LD/D

with LED+Diode

Page 2/71

DLD 2.5/PE

Page 2/71

Feed-through terminals for initiators and actuators



KDKS 1/PE

Page 2/71

VLI 1.5

Page 2/72

VLI 1.5/PE

Page 2/72

Feed-through terminals for motors



MAK 2.5

Page 2/72

SAK series

Standard feed-through terminals for TS 32

Feed-through terminals in PA 66 for TS 32



SAKD 2.5 N

5 mm width

Page 2/74



SAK 2.5

6 mm width

Page 2/74



SAKD 4

Page 2/74



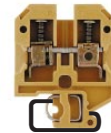
DK 4 Q

Page 2/74



DK 4 QV

Page 2/75



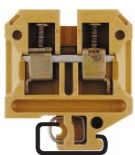
SAK 6 N

Page 2/75



SAK 10

Page 2/75



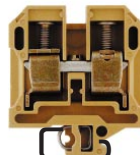
SAK 16

Page 2/75



SAK 35 N

Page 2/76



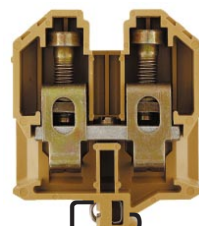
SAK 35

Page 2/76



SAK 70

Page 2/76



SAK 95

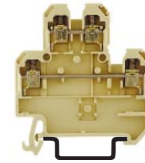
Page 2/76

Feed-through terminals for thermocouples



SAK 2.5 TC

Page 2/78



DK 4 TC

Page 2/78

Stud terminals in KrG for TS 32



SAKG 28 I

M 6

Page 2/79



SAKG 28 II

M 6

Page 2/79



SAKG 28 II G

M 6

Page 2/80



SAKG 28 III

M 6

Page 2/80



SAKG 32 I

M 8

Page 2/80



SAKG 32 II

M 8

Page 2/80



SAKG 32 II G

M 8

Page 2/81



SAKG 32 III

M 8

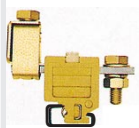
Page 2/81



SAKG 70 II G

M 8

Page 2/81



SAKG 40 I

M 10

Page 2/81



SAKG 40 II

M 10

Page 2/81



SAKG 40 II G

M 10

Page 2/81



SAKG 40 III

M 10

Page 2/82



SAKG 46 II

M 12

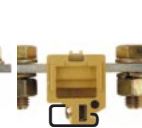
Page 2/82



SAKG 46 II G

M 12

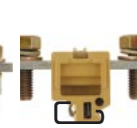
Page 2/82



SAKG 54 II

M 16

Page 2/82



SAKG 54 II G

M 16

Page 2/83



SAKG 46/I AL

M 12/M14

Page 2/83

Stud terminals in KrG for TS 32



SS 6

M 6

Page 2/84



SS 8 / SS 10

M 8 / M 10

Page 2/84



SS 12

M 12

Page 2/84



KST 5

M 5

Page 2/85



KST 6

M 6

Page 2/85



KST 8

M 8

Page 2/85



KST 10

M 10

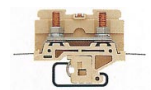
Page 2/85



KST 12

M 12

Page 2/85



ST 5 / STSL 5

with / without solder connection

Page 2/85

PE terminals in PA 66 for TS 32



EK 2.5 N

Page 2/86



EK 4

Page 2/86



EK 10

Page 2/86



EK 16

Page 2/86



EK 35

Page 2/87



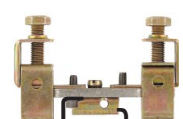
EK 2
10 mm²

Page 2/87



SAKE 35

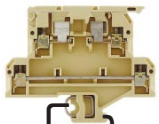
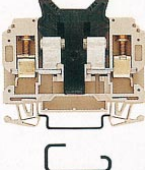
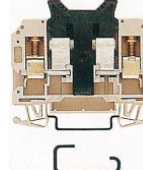
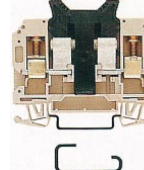
Page 2/87



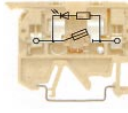
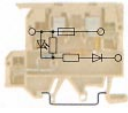
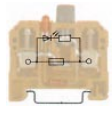
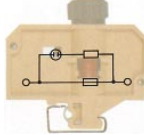
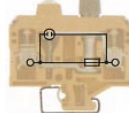
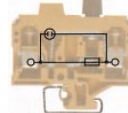
SAKE 70

Page 2/87

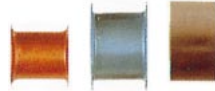
Fuse terminals for TS 32

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

Fuse terminals with indicator

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

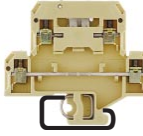
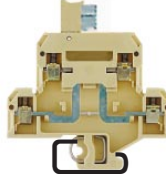
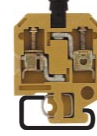
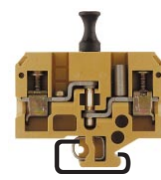
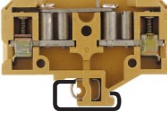
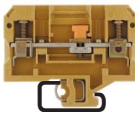
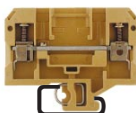
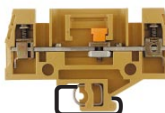
Fuse cartridges and gauge rings for Weidmüller fuse terminals

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

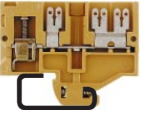
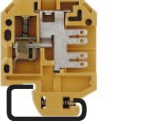
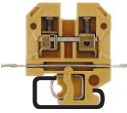
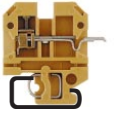
Pressure connectors for TS 32

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

Disconnect terminals for TS 32

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

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

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

Rack mounted interface system

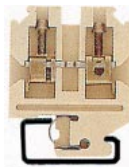


AVR 4/10

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

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



SAKK 4

for TS 32

Page 2/107



SAKK 10

for TS 32

Page 2/107

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

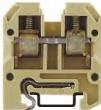


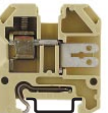
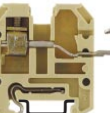
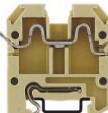
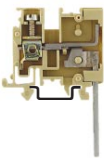
AKZ 4/TC

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AKZ series

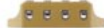
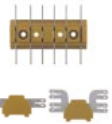
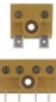
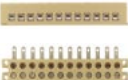
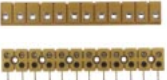
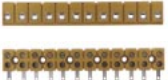
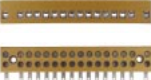
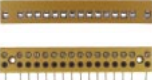
Feed-through terminals for space saving assembly

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

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

MK-, BK series

Multipole terminal blocks and Feed-through terminals for direct mounting

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

MK-, BK series

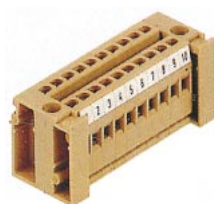
Multipole terminal blocks, Screw, solder, tab connection modular design

Feed-through and fuse terminals for Screw connection



AKB 4

Page 2/119



AKZ 2.5

Page 2/119



ASK 1

5 x 20

Page 2/119

ADK series

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

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



AKA 2.5

Page 2/120



ADK 1

Page 2/120



ADK 1 F / 3 F

Page 2/120



ADK 1 S

Page 2/120



ADK 3 W

Page 2/121



ADK 1 T

Page 2/121



ADK 2.5 K

Page 2/121



ADK 2.5 K

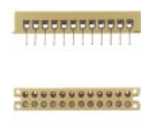
with Solder tag

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ADK 1 FT

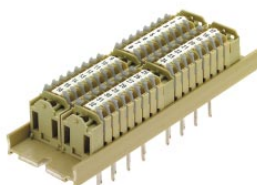
Page 2/121



MK 2/12

Page 2/121

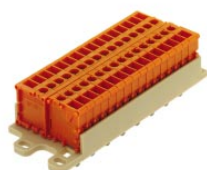
Rack mounted interface systems



DSG 1.5 T/32

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

Page 2/122



TOP 1.5 F/32

Top-Screw - 0,8 x 2,8

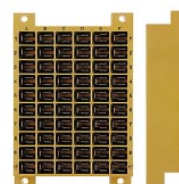
Page 2/122



SP 10 FF / SP 10 LF

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

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SP 60 FF / SP 60 LF

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

Page 2/122



SP 90 FF / SP 90 LF

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

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RV series

Interface system for high density wiring

Rack mounted interface systems



RSV 8/8 long

64x0,8x2,4 - 1x1

Page 2/124



RV 8/8 long

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

Page 2/124

RV 8/8 short

64x0,8x2,4 - 1x1

Page 2/124

RV 8/8 short

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

Page 2/124



RV 8/9 long

72x0,8x2,4 - 1x1

Page 2/124

RV 8/9 long

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

Page 2/124

RV 8/9 short

72x0,8x2,4 - 1x1

Page 2/124

RV 8/9 short

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

Page 2/124



RV 4/9 short

Page 2/124



RV 8/20 short

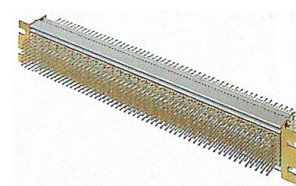
160x0,8x2,4 - 1x1

Page 2/124

RV 8/20 short

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

Page 2/124



RV 8/56 short

448x0,8x2,4 - 1x1

Page 2/124

RV 8/56 short

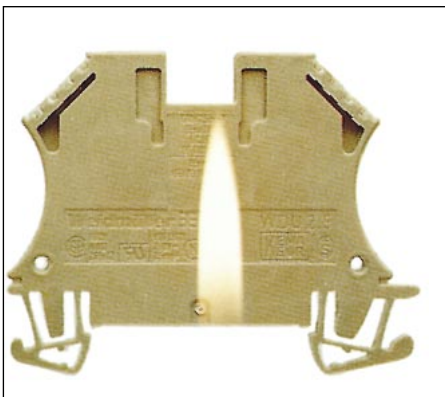
448x0,8x2,4 - 0,8x2,4

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Advantages of Weidmüller terminal blocks

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

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



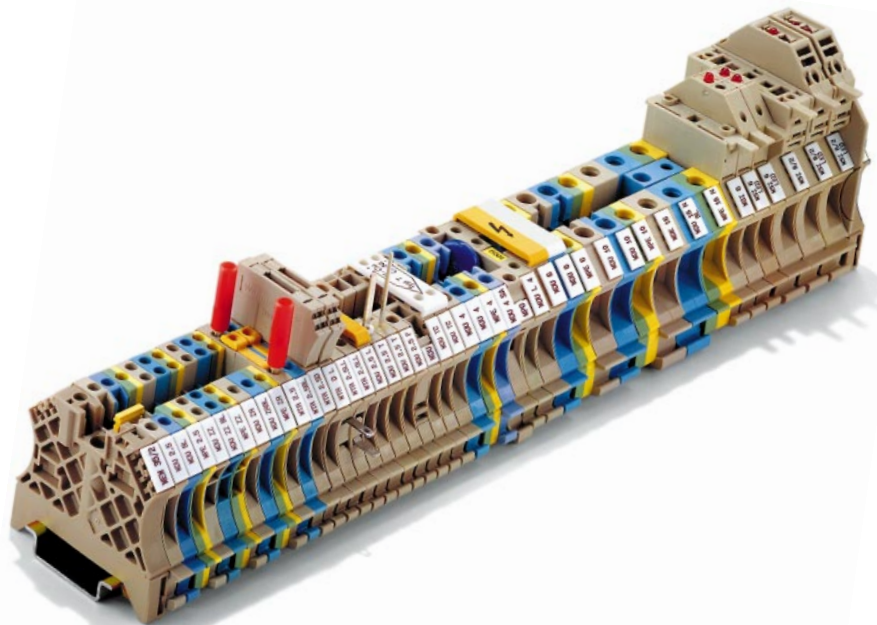
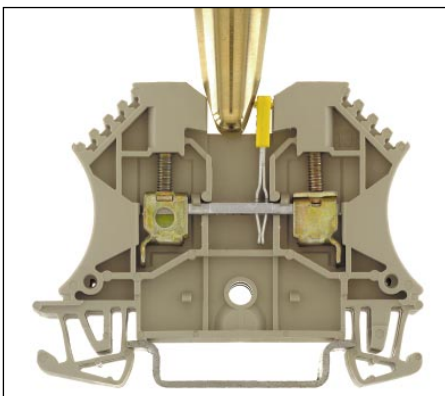
Common features of all variants are:

Wemid insulating material

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

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

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



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

Reliable conductor connection through proven design features.

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

Types of connection

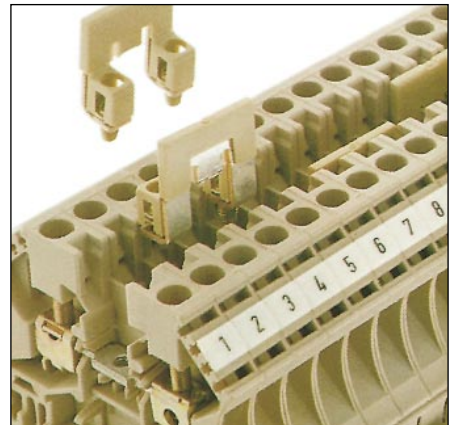
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

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

Cross connection system

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

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

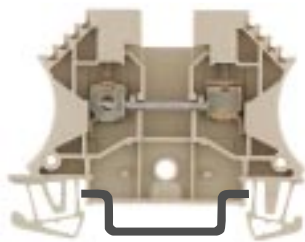


All approvals

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

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

TERMI-POINT® = registered trademark of the company AMP

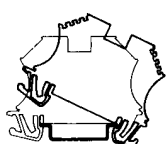


This series has **versions** for conductors up to 150 mm².

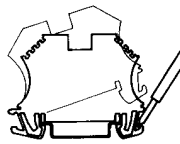
- Only two different end plates.
- The larger end plate can be used as a partition for the smaller terminals.
- Both end plates latch tightly onto the terminals.

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

Assembly and removal



latch on



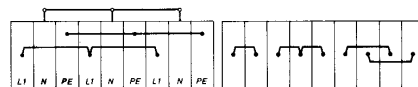
latch off

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

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

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

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



Combination

Feed-through terminals

for L1, N disconnect and PE terminals

Simple

Parallel

Arrangement of 2 potentials

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

Although each individual terminal block is shock-hazard protected **with and without** cross-connection, **covers** with high voltage flash DIN 30600 can be snap-fitted for all terminals up to 150 mm² rated cross-section; a **group tag carrier** can also be fitted as an alternative.

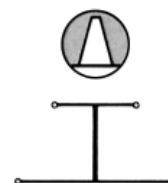
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

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

Weidmüller double deck terminals have the following wiring advantages:

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

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



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

– WDK 2.5 **V**

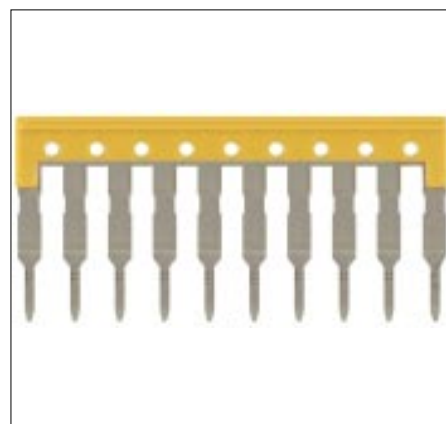
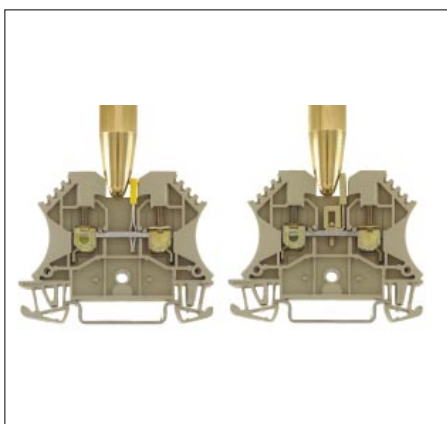
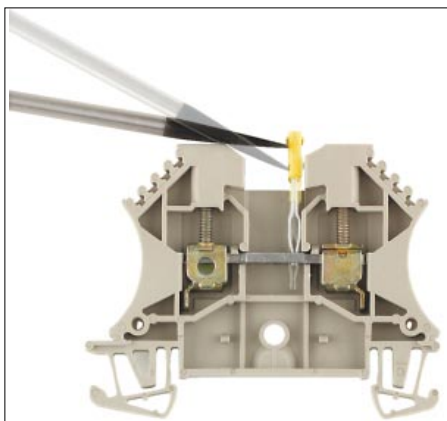
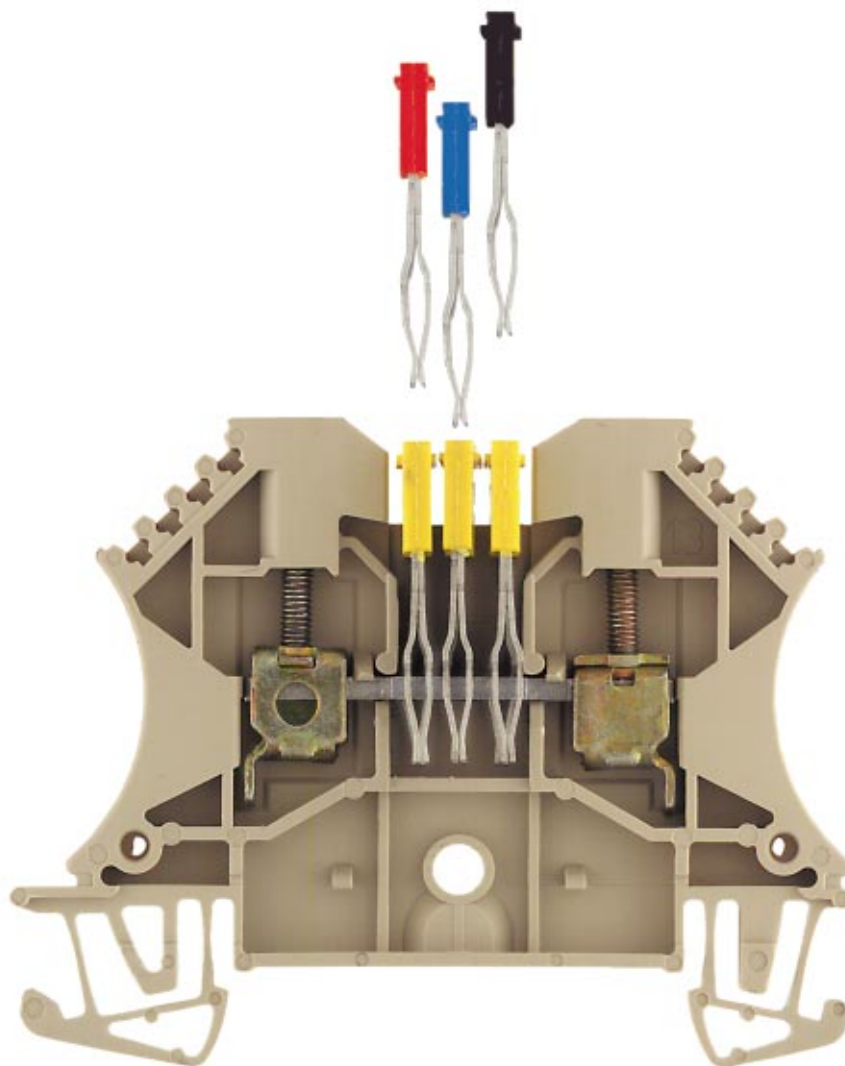
Cat.No. 102230

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

Cat. No. 102000

40 %

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



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

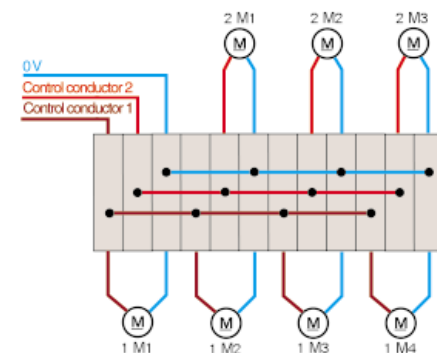
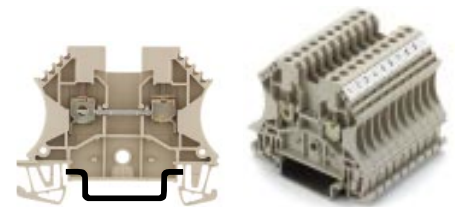
No end plates or partitions for
neighbouring cross-connections
up to 400 V

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

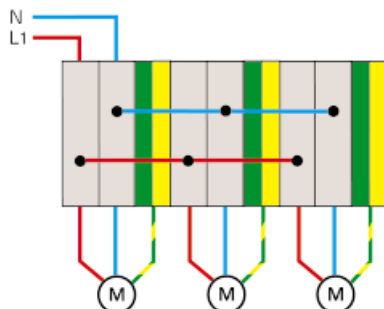
Feed-through Terminals

WDU 2.5

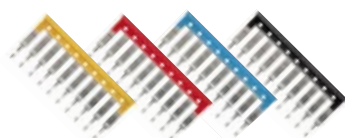
WDU 2.5/10



Triple use up to 125 V with ZQV 2.5N



Parallel use up to 400 V with ZQV¹⁾ 2.5N or WQV 2.5



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

Colored Cross connection ZQV 2.5N

Max. Technical Data

Dimensions

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

Insulation stripping length/clamping screw/screwdriver blade

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

Rated voltage/rated current/rated cross-section

Rated impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

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

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

Max. Clamping Range in mm² Gauge pin to 947-1

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

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

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

Version

Wemid

Blue Wemid

Orange PA

Terminal block printed 1-9 Wemid

Terminal block unprinted* Wemid

End plate/partition

WAP WAP (thickness 1.5 mm) Wemid

Blue Wemid

WTW Wemid

Blue Wemid

Cross-connection**

ZQV 2.5N Qty. WQV 2.5 Qty.

2-pole 169380 60 105366 50

3-pole 169381 60 105376 50

4-pole 169382 60 105386 50

5-pole 169383 20 105396 10

6-pole 169384 20 105406 10

7-pole 169385 20 105416 10

8-pole 169386 20 105426 10

9-pole 169387 20 105436 10

10-pole 169388 20 105446 20

32-pole 157760 10

endless 50pole 169389 5

WQB B/24 157906 20

LS 2.8 105640 50

WAW 1 900450 -

Screen lug LS 2.8

Notching tool WAW 1 for WQV

Test adapter

WTA

WTA 2 163232 50

WTA 2/ZA 163233 50

WTA 2/10 163234 5

ZE 1 (Strain relief) 163215 50

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

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 -

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

Marking tags

Print

Consecutive horizontal

Consecutive vertical

Tag carrier for S 10 markers

¹⁾ When using the outer cross connection holes

Feed-through terminal blocks

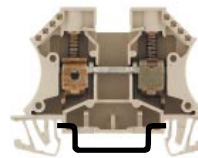
WMA 4/5
WMA 4/4



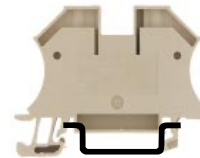
WDU 6
WDU 6/10/BEZ



WDU 10



WDU 16N

[illegible]

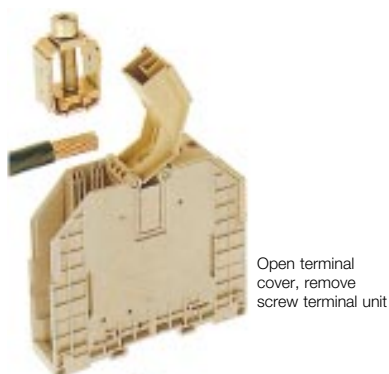
Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

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.

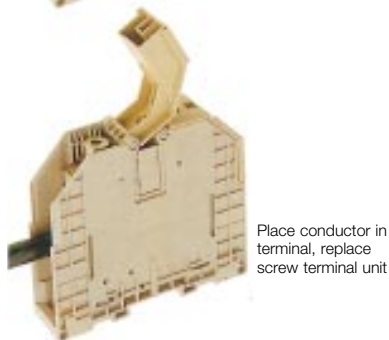
Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

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

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

Cross-connection



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



Cover



Yellow

White

Test plug



Fixing screw



For direct assembly

Hexagon key

Screwdriver for direct assembly 1 x 5.5 x 125



Marking tags

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS DEK	Printed

Print

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

WZAD 70	106600	10
WFL 70/95	161633	10

WAD 27		
with warning tag	106286	10

WAD 27		
without warning tag	106296	10

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

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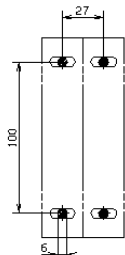
Hex. key	040790	-
6 mm to DIN 6911		

SD	902450	-
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DEK 5	047346	-
DEK 5	047356	-
WS 12/6,5	160992	-
WS 12/6,5	156895	-

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

WDU 70/95/...

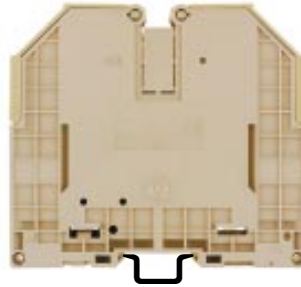


Drilling plan for direct mounting
250 A/95 mm²



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

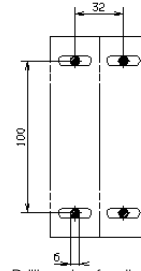
WDU 120/150



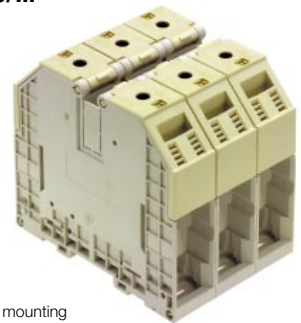
335 A/150 mm²

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

WDU 120/150/...



Drilling plan for direct mounting
335 A/150 mm²



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

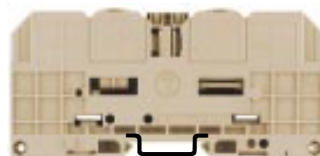
Tab connection terminals



WFF 35



WFF 70



Max. Technical Data

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

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

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

Further technical data

Tightening torque range	Nm
-------------------------	----

Clampable conductor

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

Max. Connection Area in mm²

Gauge for flat connections to EN 50043 Size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection 3-pole A

UL / CSA rated data

Voltage/current/conductor size UL

Voltage/current/conductor size CSA

Ordering data

Version	
Wemid	
Blue Wemid	
Wemid	
Wemid	

With covers

Partition (thickness 2 mm)



Cross-connection



Auxiliary / control conductor terminal



Cover

	Beige PA 66
	Blue PA 66
	Light-green PA 66

Warning sign

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

Screwdriver / Fixing screw

	For direct assembly
	Screwdriver

Cupul washers

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

Marking tags

Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed

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

168 A/50 mm²

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

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

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

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

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

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

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

M 6 x 16	106370	20
SD	902450	-

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

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

250 A/95 mm²

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

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

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

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

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

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

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

M 6x16	106370	20
SD	902450	-

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

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

* 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 mm²

42/132/72
42/230/81
10

1000 V/269 A/120 mm²
8 kV/3

10...20

16...150

6...150

16...120

6...120

2 x 20 x 1

6 x 20 x 1

5 x 24 x 1

5,26...150

292

292

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

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

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

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

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

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

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

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

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

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

WFF 185 / WFF 185 M 12 + M 16

453 A/240 mm²

55/163/78
55/287/91
12

1000 V/353 A/185 mm²
8 kV/3

14...31

25...240

10...240

25...185

10...185

2 x 24 x 1

2 x 32 x 1

3 x 35 x 1

8,37...240

382

382

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

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

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

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

WQL 2	106520	50
WQL 3	106570	50

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

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

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

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

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

WFF 300



630 A

55/163/86
55/287/90
16

1000 V/520 A/300 mm²
8 kV/3

25...60

50...300

25...240

50...240

25...240

2 x 40 x 1

6 x 40 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 -

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

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

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

* applies to centre screw

** see also page 2/7

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

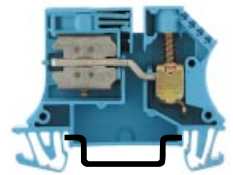
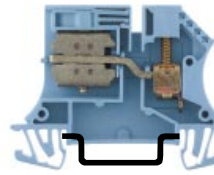
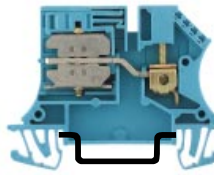
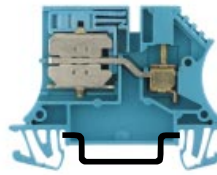
Isolating neutral terminal blocks

WNT 2.5

WNT 4

WNT 6

WNT 10



Max. Technical Data

Dimensions

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

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data, 0611 Part 5 / 5.84

Rated voltage/rated current/rated cross-section

Rated voltage/impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

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

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

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

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

Version

For 10x3 busbars Blue Wemid

For 10x3 busbars as equipotential bonding disconnect

beige Wemid

(VDE 0107)

32 A/4 mm²

5/60/47

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

400 V/24 A/2,5 mm²

400 V/6 kV/3

0,4...0,8

1

0,5...4

1,5...4

0,5...4

0,5...2,5

0,5...2,5¹⁾

0,13...4 A 3

41 A/6 mm²

6/60/47

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

400 V/32 A/4 mm²

400 V/6 kV/3

0,5...1,0

2

0,5...6

1,5...6

0,5...6

0,5...4

0,13...6 A 4

57 A/10 mm²

8/60/47

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

400 V/41 A/6 mm²

400 V/6 kV/3

0,8...1,6

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...10 A 5

76A/16 mm²

10/60/47

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

400 V/57 A/10 mm²

400 V/6 kV/3

1,2...2,4

4

1,5...16

1,5...16

1,5...16

1,5...16

1,31...16 B 6

End plate

Thickness 1.5 mm Blue Wemid

Beige Wemid



Support plate

für SSch 10 x 3 Blue Wemid

beige Wemid



Thickness 1.5 mm

Distance WHP-WHP max. 200 mm

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Busbar 10 x 3

Topface busbar till topface TS 35 = 25.5 mm



Cu 140 A

Ms 100 A

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

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

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

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

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

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

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

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

Clamping yoke



ZB 35 K

ZB 35

Applied input for SSch 10 x 3

16...50 mm² stranded

16...35 mm² flexible

Gauge pin to B9

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

Test plug



PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

End bracket

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

Using external link

Clampable cond. section one degree lower

Marking tags

Print



Consecutive horizontal

Consecutive vertical

Blank

Printed

DEK 5 **047346** -

DEK 5 **047356** -

WS 12/5 **160986** -

WS 12/5 **144746** -

DEK 6 **046866** -

DEK 6 **046876** -

WS 12/6 **160990** -

WS 12/6 **144766** -

DEK 8 **127696** -

DEK 8 **128966** -

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

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

DEK 8 **127696** -

DEK 8 **128966** -

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

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

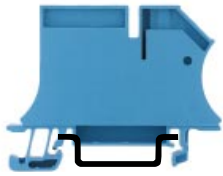
For further accessories see section 3, further marking material see section 8

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

WNT 16 N

WNT 35 N

WNT 70 N



- / -

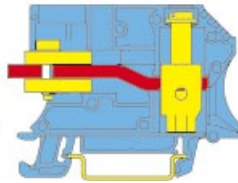
12/60/47
12 mm/M 4/5,5 x 1,0

400 V/76 A/16 mm²
400 V/6 kV/3

1,2...2,4
4

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

B 7



- / -

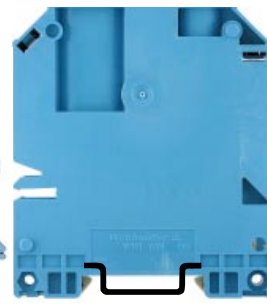
16/66/51
18mm/M 6/5,5 x 1,0

400 V/125 A/35 mm²
400 V/6 kV/3

2,5...5
-

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

B 9

207 A/95 mm²

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

400 V/192 A/70 mm²
400 V/6 kV/3

6,0...12

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

B 11

 Cat. No. Qty.
101900 50

 Cat. No. Qty.
171855 10

 Cat. No. Qty.
951221 10

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

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

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

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

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

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

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

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 4 **029960** 20

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WQB-PEN 16N **107960** 10

WQB-PEN 35N **107950** 10

WQB-PEN 70N **107970** 10

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047356** -

DEK 5 **047356** -

DEK 5 **047356** -

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

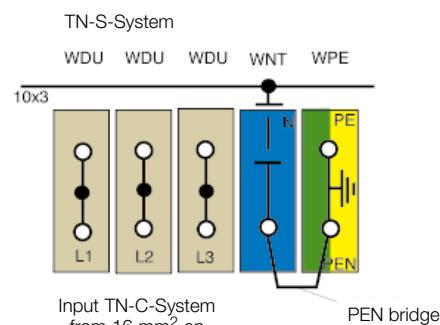
WS 12/6,5 **160992** -

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

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

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

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



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

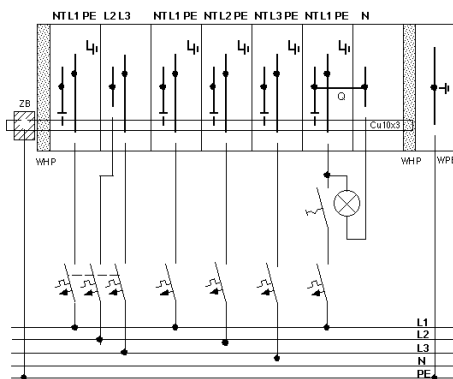
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections.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

WDL 2.5/S...

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

WDL 2.5/S/L/L

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



Terminals/accessories

Max. Technical Data

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 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 Q multipole A

UL / CSA rated data

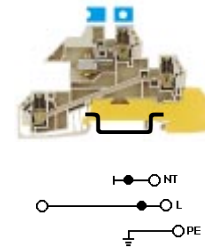
Voltage / current / conductor size UL
Voltage / current / conductor size CSA

Ordering data

Version

for TS 35 / Wemid

WDL 2.5/S/ NT/L/PE



32 A/4 mm²

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 mm²
250V/400 V/4 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...4

0,25...4

0,25...4

0,13...4

24

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

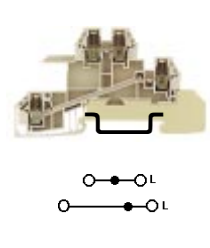
300 V/10 A/26...12 AWG

Cat. No. Qty.

103060 50

(NT-Connection coded blue)

WDL 2.5/S/ L/L



32 A/4 mm²

6/84,5/48,7

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

IEC 947-7-1

400 V/24 A/2,5 mm²
400 V/6 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...4

0,25...4

0,25...4

0,13...4

24

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

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

Cat. No. Qty.

103120 50

End plate



Support plate



for SSch 10 x 3

Wemid blue

Distance WHP-WHP max. 200 mm
Thickness 1,5 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
Ms 100 A

Clamping yoke



supply for 10 x 3 busbar
16...50 mm² stranded
16...35 mm² flexible
Lehrdom B9

Neutral (N) disconnect terminals

as supply terminals

End bracket

Marking tags

DEK Consecutive horizontal
DEK Consecutive vertical

Print

Type Cat. No. Qty.

WAP WDL 2.5/S 106770 20

WHP WDL 2.5/S 106798 20

TSch 1 031916 100

Q 2 107150 50

Q 3 107160 50

Q 4 107170 50

Q 10 107180 20

Q 20 107420 20

SSch 10 x 3 Cu 034890 1 m

SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50

WNT 16 N 101900 50

WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500

DEK 6 046876 500

Type Cat. No. Qty.

WAP WDL 2.5/S 106770 20

WHP WDL 2.5/S 106798 20

TSch 1 031916 100

Q 2 107150 50

Q 3 107160 50

Q 4 107170 50

Q 10 107180 20

Q 20 107420 20

SSch 10 x 3 Cu 034890 1 m

SSch 10 x 3 Ms 025980 1 m

ZB 35 K 050268 50

WNT 10 101098 50

WNT 16 N 101900 50

WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500

DEK 6 046876 500

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

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

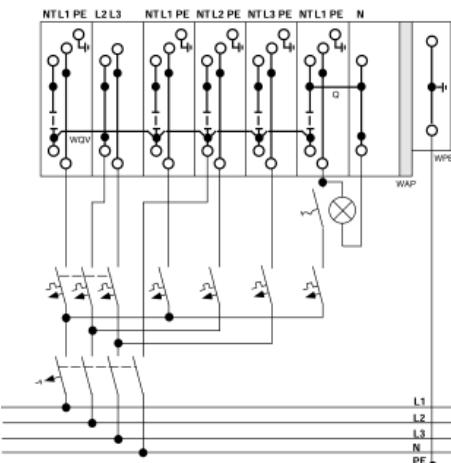
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections.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

WDL 2.5...

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

WDL 2.5/L/L

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



Terminals/accessories

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

End plate



Small partition for Q...



Cross-connection (L, NT, N)



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



32 A

Notching tool for WQV



End bracket

Marking tags



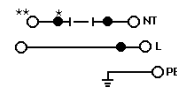
Print

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

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

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

WDL 2.5/NT/L/PE



29 A/4 mm²

6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6

VDE 0611 Part 4

250V/400V/24 A/2,5/4** mm ²
250V/400 V/4 kV/3

0,4...0,7
1

0,5...4/6**
1,5...4/6**
0,5...4/6**
0,5...4/4**
0,5...4/4**
0,5...4/4**
0,13...4
A 3/A 4**

24
29 (Center supply 40A)

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

Cat. No. Qty.
102980 50

(NT-Connection coded blue)

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

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

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

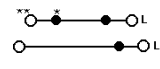
WEW 35 / 2	106120	50
------------	--------	----

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

DEK 6	046876	500
-------	--------	-----

WS 8/5	164074	—
WS 8/5	158008	—

WDL 2.5/L/L



31 A/4 mm²

6/90/48,7
8 mm/M 2,5/3**/3,5 x 0,6

IEC 947-7-1

400 V/24 A/2,5/4** mm ²
400 V/6 kV/3

0,4...0,7
1

0,5...4/6**
1,5...4/6**
0,5...4/6**
0,5...4/4**
0,5...4/4**
0,5...4/4**
A 3/A 4**

24
31

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

Cat. No. Qty.
103030 50

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

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

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

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

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

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

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

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

WQV 4/2	105196	50
---------	--------	----

WQV 4/3	105456	50
---------	--------	----

WQV 4/4	105466	50
---------	--------	----

WQV 4/10	105206	20
----------	--------	----

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

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

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

DEK 6	046876	500
-------	--------	-----

WS 8/5	164074	—
WS 8/5	158008	—

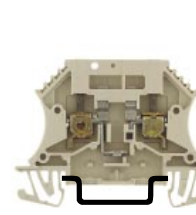
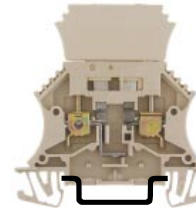
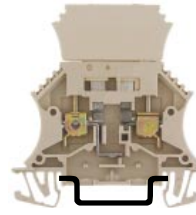
Disconnect test terminal blocks

WTR 2.5

WTR 2.5 D with diode plug

WTR 2.5 D with StB with diode plug and 2.3 socket

WTR 2.5 without disconnecter



Max. Technical Data

Dimensions	
Width/length/height (mm)	mit TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data	
Rated voltage/rated current/rated cross-section	800 V/16* A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity	8 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	

Clampable conductor

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

UL / CSA rated data

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

Ordering data

Version

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

16 A/1,5 mm²

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

800 V/16* A/2,5 mm²
8 kV/3

0,4...0,8/0,5...1,0**
1/2**

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

26

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

16 A/1,5 mm²

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

500 V/16* A/2,5 mm²
6 kV/3

0,4...0,8
1

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

26

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

		Cat. No.	Qty.
+	+	101350	50
+	+	101360	50
with wire link		101370	50

16 A/1,5 mm²

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

500 V/16* A/2,5 mm²
6 kV/3

0,5...1,0
2

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

26

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

		Cat. No.	Qty.
+	+	101320	50
+	+	101330	50
with wire link		101340	50

16 A/1,5 mm²

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

800 V/16* A/2,5 mm²
8 kV/3

0,4...0,8/0,5...1,0**
1/2**

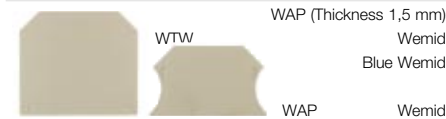
0,5...4
1,5...4
0,5...2,5
0,5...2,5
0,5...2,5
0,5...2,5¹⁾
0,13...4 A 3

26

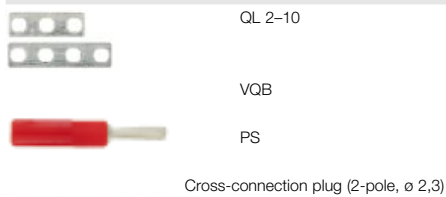
300 V/10 A/22...12 AWG
300 V/10 A/26...12 AWG

		Cat. No.	Qty.
		101290	100
with StB 2.3**		101280	100
with StB 2.0**		101310	100

End plate / partition



Cross-connection



Notching tool

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

Screwdriver



Diode plug (spare)



Marking tags



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

Type Cat. No. Qty.

WAP (Thickness 1,5 mm)			
Wemid	WAP 2.5-10	105000	50
Blue Wemid	WAP 2.5-10 BL	105008	50
Wemid	WTW 2.5-10	105010	20
	QL 2	021580	100
	QL 3	021590	100
	QL 4	021600	50
	QL 10	033800	20
	BS-M 2,5x4,5	106270	100
	PS 2.3 (ø 2,3)	018040	20
	PS 2.0 (ø 2,0)	029380	20
	WDS 2	106990	20
	WQB B/24	157906	20
	WAW 2	900451	-

SDIK für StB 902493

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

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

Type Cat. No. Qty.

WAP 2.5-10	105000	50
WAP 2.5-10 BL	105008	50
WTW 2.5-10	105010	20
QL 2	021580	100
QL 3	021590	100
QL 4	021600	50
QL 10	033800	20
BS-M 2,5x4,5	106270	100
PS 2.3 (ø 2,3)	018040	20
PS 2.0 (ø 2,0)	029380	20
WQB B/24	157906	20
WAW 2	900451	-

SDIK für StB 902493

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

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

Type Cat. No. Qty.

WAP 2.5-10	105000	50
WAP 2.5-10 BL	105008	50
WTW 2.5-10	105010	20
QL 2	021580	100
QL 3	021590	100
QL 4	021600	50
QL 10	033800	20
BS-M 2,5x4,5	106270	100
PS 2.3 (ø 2,3)	018040	20
PS 2.0 (ø 2,0)	029380	20
WQB B/24	157906	20
WAW 2	900451	-

SDIK für StB 902493

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

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

Type Cat. No. Qty.

WAP 2.5-10	105000	50
WAP 2.5-10 BL	105008	50
WTW 2.5-10	105010	20
QL 2	021580	100
QL 3	021590	100
QL 4	021600	50
QL 10	033800	20
BS-M 2,5x4,5	106270	100
PS 2.3 (ø 2,3)	018040	20
PS 2.0 (ø 2,0)	029380	20
WQB B/24	157906	20
WAW 2	900451	-

SDIK für StB 902493

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

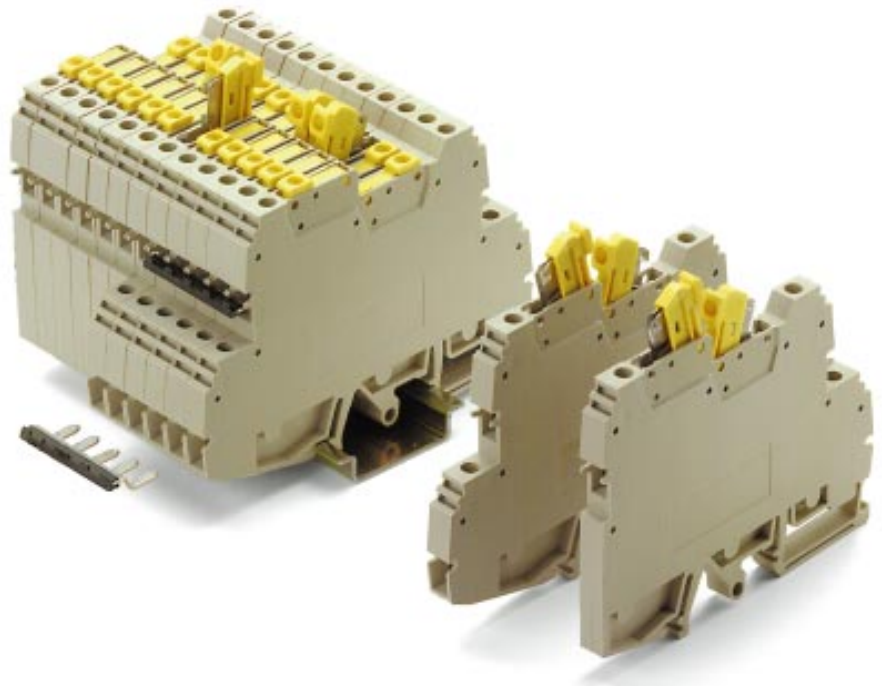
DEK 5	047346	-
DEK 5	047356	-
WS 12/5	160986	-
WS 12/5	144746	-

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

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

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

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



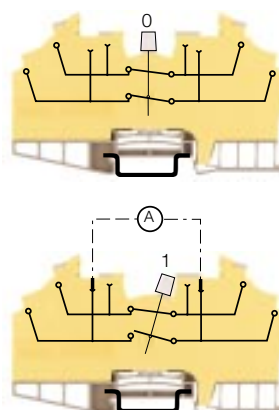
Switching examples
WDT 1.5/...
Disconnect test terminals
W series

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

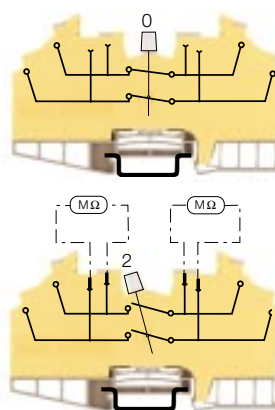
- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks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

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

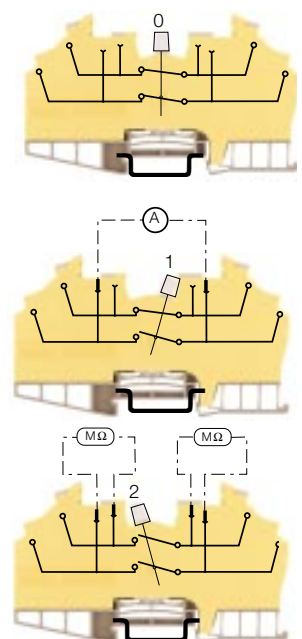
WDT 1.5/1
with space-saving TOP connection



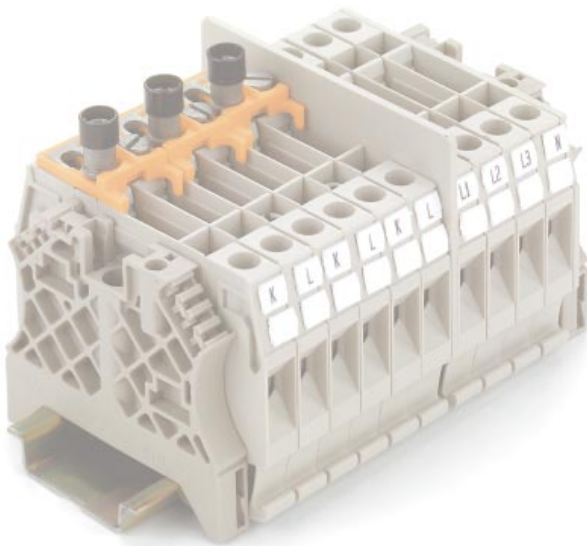
WDT 1.5/2
with space-saving TOP connection



WDT 1.5/3
with space-saving TOP connection



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

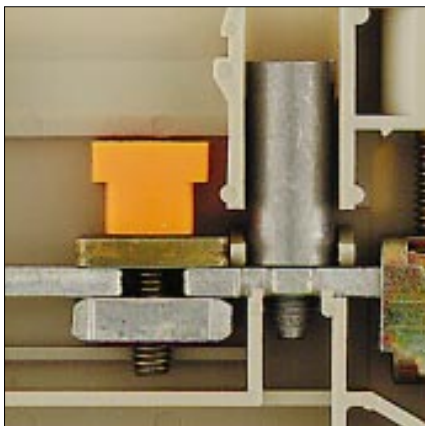


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

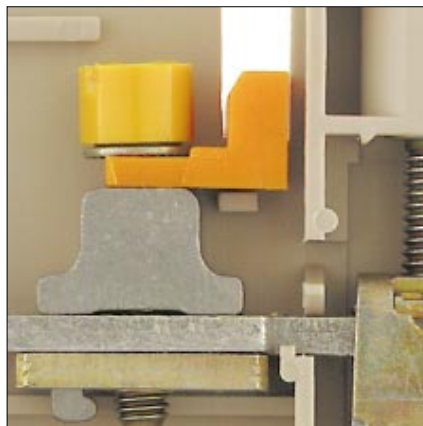
Various easy and cost-effective wiring solutions

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

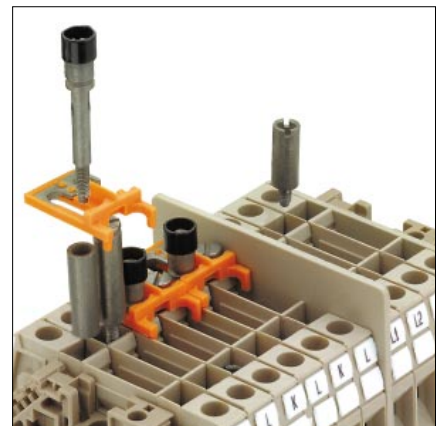
Examples: simple current transformer circuits, transformer test sets, etc.



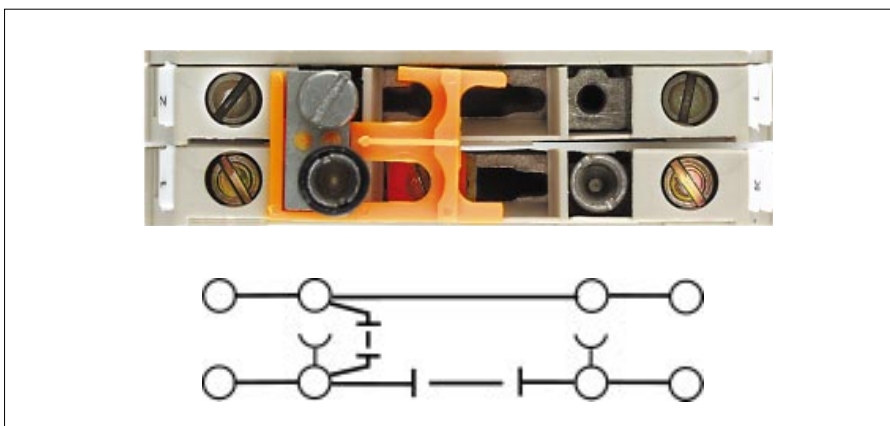
Slide linck that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

The New Generation of Current Transformer Terminals

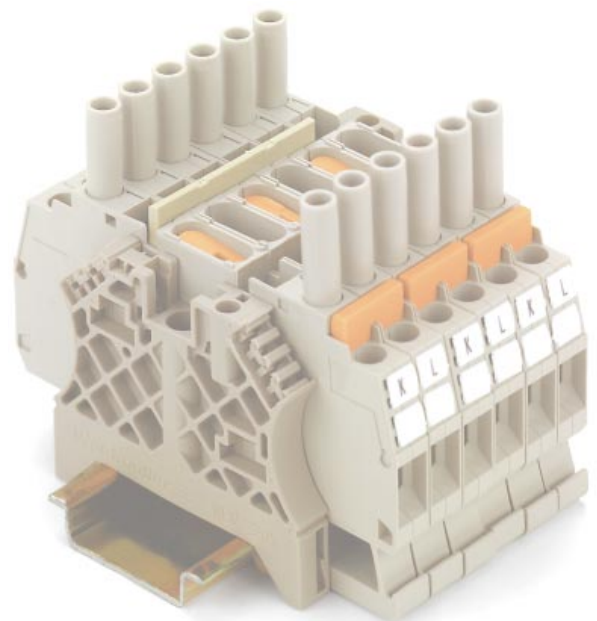
WTL 6/2

WTL 6/3/STB

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

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

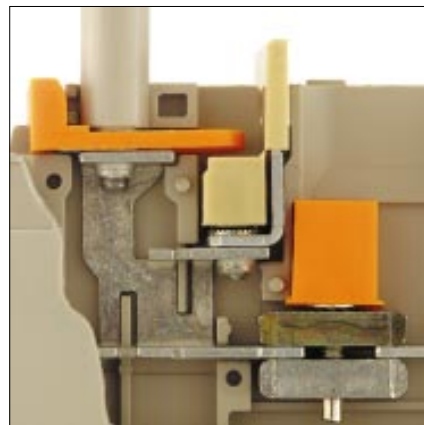
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.



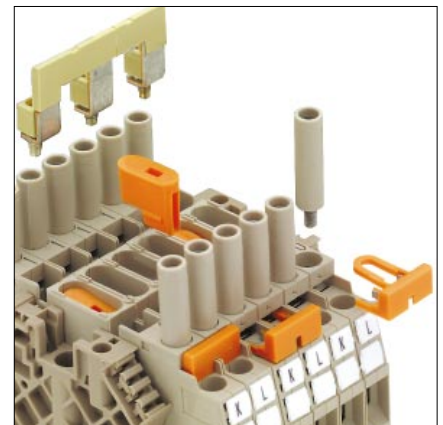
2



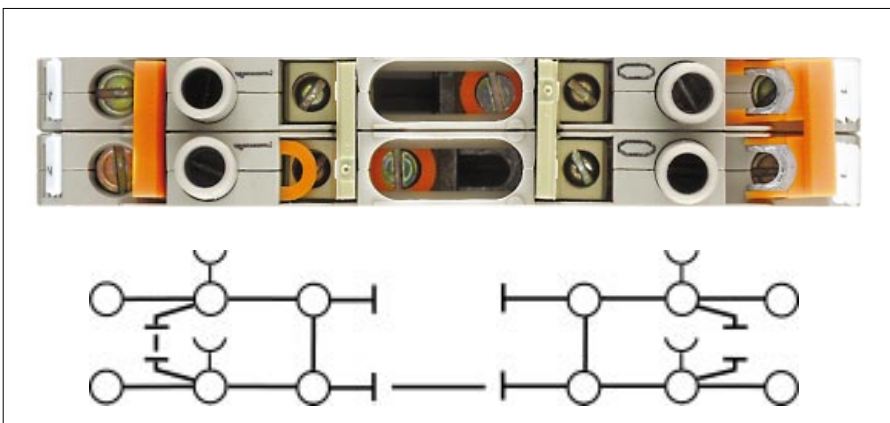
Testing points that are protected against finger-touch to VBG 4



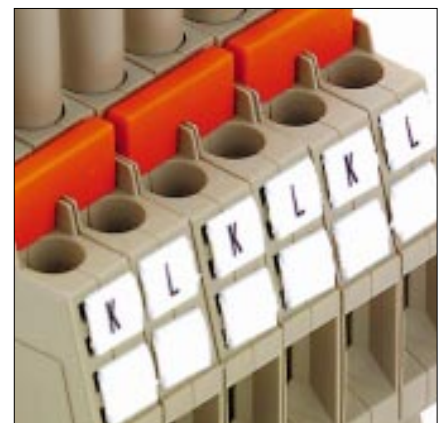
Compact construction: Slide link, cross-connection, cross-connection slider



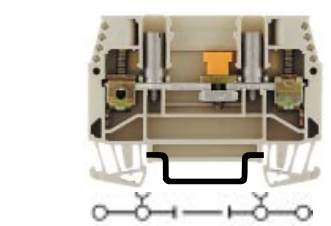
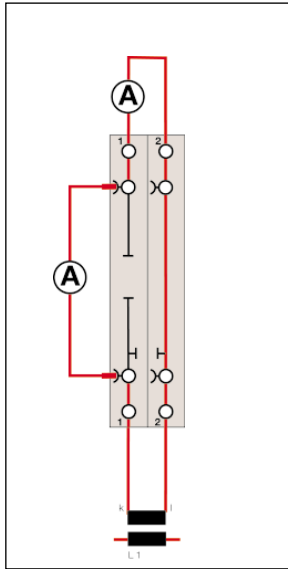
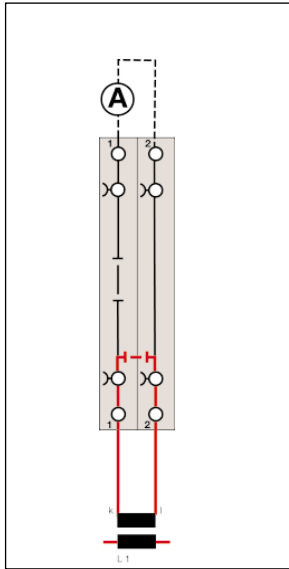
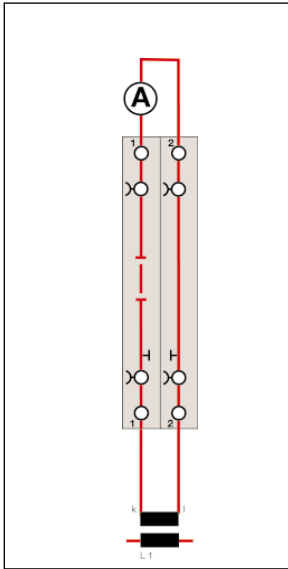
Optimised accessories for all circuit variants



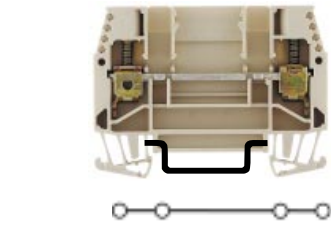
2 cross-connections sliders and 2 cross-connections per terminal



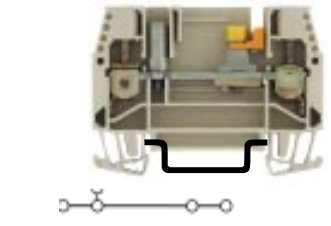
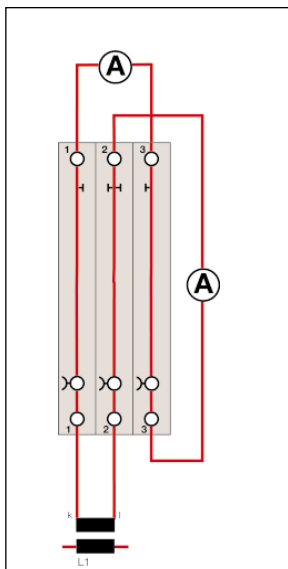
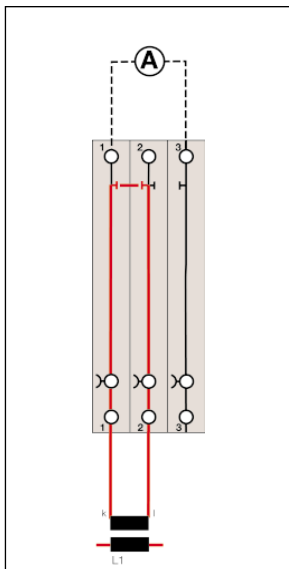
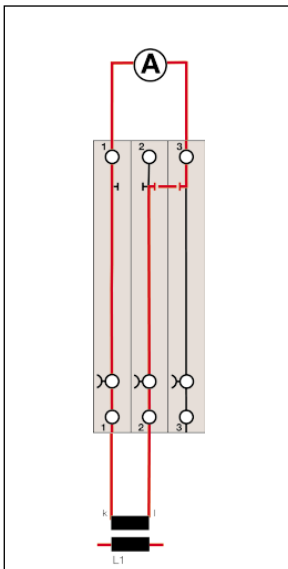
2 DEK-labels per connection point



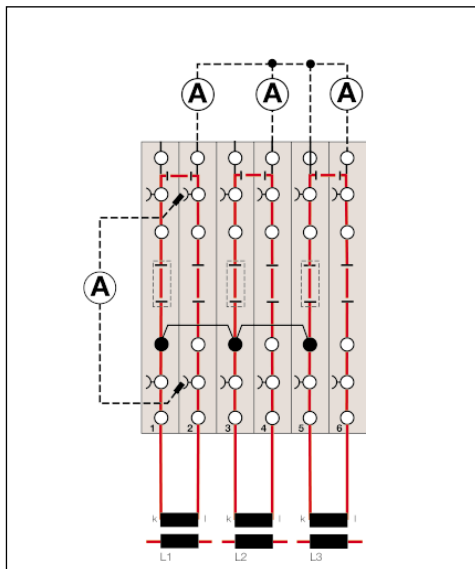
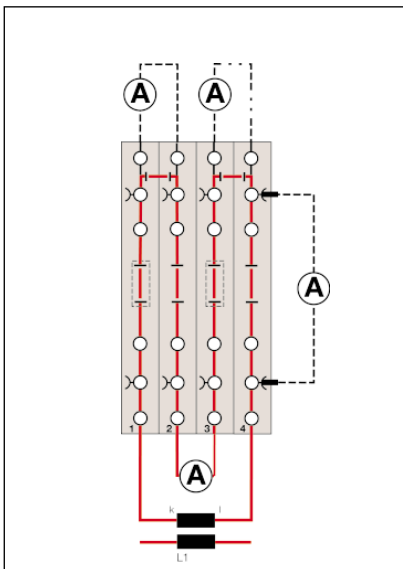
WTL 6/1/STB



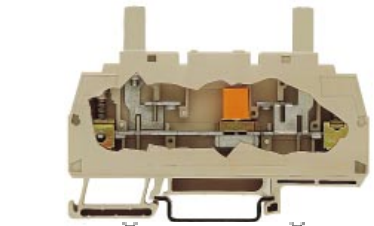
WTD 6/1



WTQ 6/1



WTL 6/2



WTL 6/3/STB

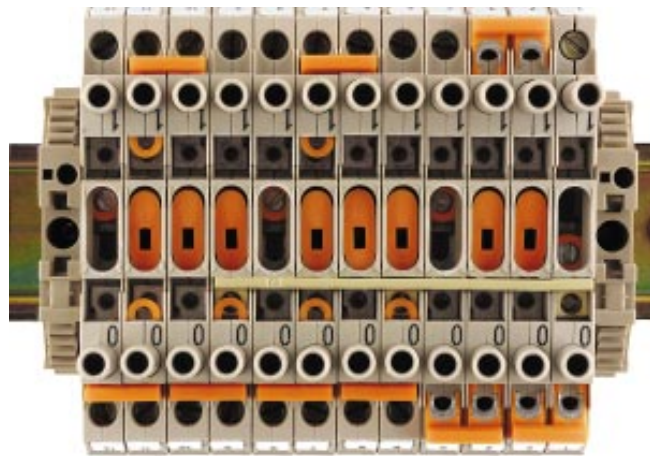
Three-phase Current Transformer Circuit with WTL 6/3/STB



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

Requirement

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



Solution

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

L1 Residual Current Measurement

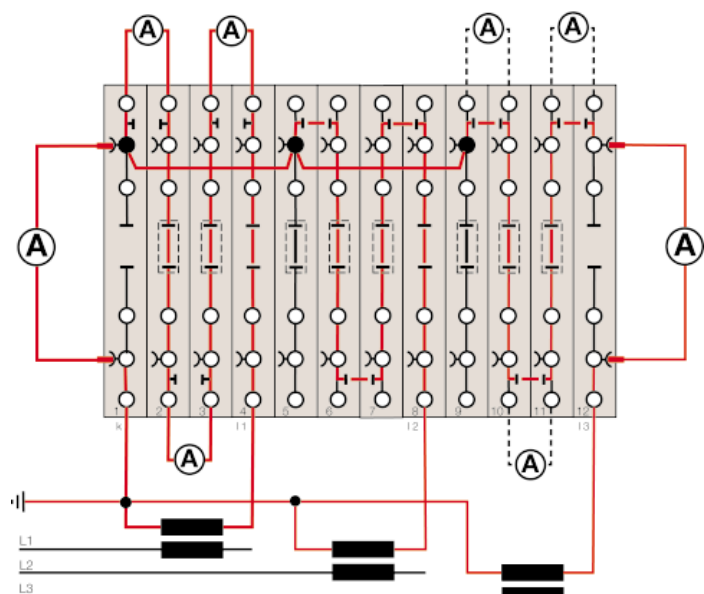
Ammeter hard-wired =>
Cross-connection slider opened
Control ammeter connected =>
Slide link opened

L2 Transformer Short-Circuit

Cross-connection slider closed =>
Ammeter disconnected

L-3 Control Measurement by External Ammeter

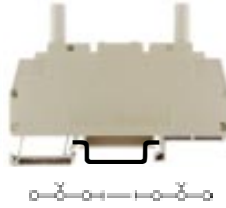
Control ammeter connected =>
Slide link opened
3 cross-connection sliders closed =>
3 ammeter disconnected



WTQ 6/1

WTL 6/2

WTL 6/3/STB

57 A/10 mm²

8/65/48,2

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

	Cat. No.	Qty.
	101810	50
	101790	50

Type Cat. No. Qty.

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

8/87/61,8

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

	Cat. No.	Qty.
	101770	50

Type Cat. No. Qty.

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

8/87/61,8

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

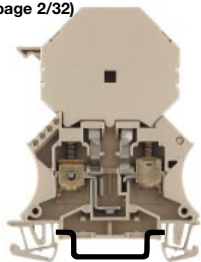
300 V/45 A/20...8 AWG

	Cat. No.	Qty.
	101860	50
	101880	50

Type Cat. No. Qty.

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

* Disconnect element

WSI 6/2¹⁾ with LED
for V AC/V DC inch fuses
(see note in first column of
page 2/32)


10 A/-

 12/60/79
12 mm/M 3,5/4,0 x 0,8

 500 V/6,3 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

10-220 V/16 A/20...8 AWG

Type	Cat. No.	Qty.
14 V-10-28 V-	101410	25
15-30 V-/30-60 V-	101420	25
40-60 V-/80-120 V-	101430	25
110 V-/220 V-	101440	25

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

Install partition after
last WSI 6

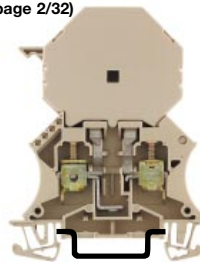
QL 2	047070	50
QL 3	047080	50
QL 4	047090	50
QL 10	047100	20
BS-M 3x5	105210	100
PS 2.3	018040	20
WAW 2	900451	-

Fuse cartridges

1/4"x 1 1/4" (6.3 x 32)

Rated voltage 440 V

E 2 A	029450	10
E 3 A	029570	10
E 5 A	029460	10
E 7 A	029580	10
E 10 A	029390	10

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 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

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

Type	Cat. No.	Qty.
24 V-	101450	25

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

Install partition after
last WSI 6

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

Fuse cartridges

1/4"x 1 1/4" (6.3 x 32)

Rated voltage 440 V

E 2 A	029450	10
E 3 A	029570	10
E 5 A	029460	10
E 7 A	029580	10
E 10 A	029390	10

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 mm²
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

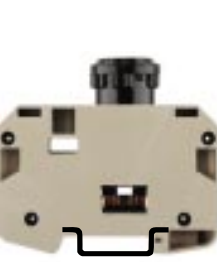
Rated voltage 380 V

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** 20DEK **047346** -DEK **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-⁴⁾/10 (25) A⁵⁾/10 mm²
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** 20DEK **047346** -DEK **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 mm²
6 kV/3

 1,2...2,4
4

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

 1,5...16 B 7
(QL 2...5) 47
(QL 6...10) 36

600 V/63 A/14...6 AWG

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)

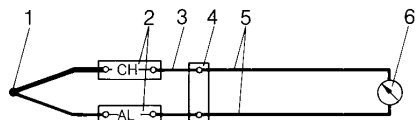
SK **035931** 20DEK **047346** -DEK **047356** -WS 12/6,5 **160992** -WS 12/6,5 **156895** -⁴⁾ Also for 440 V- with Neozed-marine fuse⁵⁾ Current for overload up to 10 A, for short-current up to 25 A

Terminal blocks for temperature measuring circuits

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

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

Configuration of a temperature measuring circuit



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

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

Technical data

Thermocouples to IEC 584 (DIN 43710)

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

Max. Technical Data

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

UL / CSA rated data

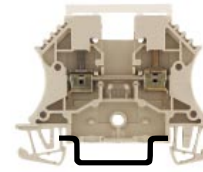
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

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

End plate / partition

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

WDU 2.5/TC



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

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

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

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

Marking tags

DEK	Print
Consecutive horizontal	DEK 5
Consecutive vertical	DEK 5
Blank	WS 12/5
Printed	WS 12/5

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

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

Feed-through terminals with WSA plug adaptor

WDU 4 SA

Feed-through terminals

for retrofitting electronic components

WPO 4

Max. Technical Data

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

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

Max. Technical Data

Dimensions	
Width/length/height (mm)	With TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data IEC 947-7-1	
Rated voltage/rated current/rated cross-section	
Rated impulse voltage VDE 0110/1.89 / pollution severity	
Further technical data	
Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	
Clampable conductor	
solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size
Wire diameter electrical component	mm
UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
Ordering data	
Type	
Wemid	

32 A/4 mm²

6/60/47	
9 mm/M 3/3,5 x 0,6	
250 V/32 A/4 mm ²	
4 kV/3	
0,5...1,0	
2	
0,5...4	
1,5...4	
0,5...4	
0,5...4	
0,5...4	
0,13...4	A 3
300 V/10 A/26...12 AWG	
Cat. No. Qty.	
103600	50

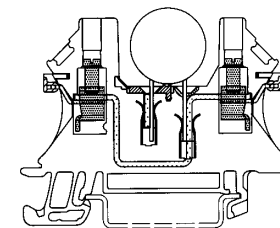
End plate		Type	Cat. No. Qty.
WAP	(Thickness 1,5 mm)	WAP 2.5-10	105000 50
		WAP 2.5-10	105008 50
Partition		Type	Cat. No. Qty.
WTW (Thickness 1,5 mm)		WTW 2.5-10	105010 20
		WTW 2.5-10	105018 20
Cross-connection		Type	Cat. No. Qty.
WQV	Screen lug LS 2.8	LS 2.8	105640 50
Plug adaptor WSA 2		Type	Cat. No. Qty.
380 V-/10 A/1,5 mm ²	Version with crimp connection	WSA 2 ¹⁾	050236 ³⁾ 20
		WSA 2 ²⁾	052976 ³⁾ 20
		WSA 2 ²⁾	052965 ³⁾ 20
		WSA 2 ²⁾	052956 ⁴⁾ 20
		WSA 2 TOP ¹⁾	133396 ³⁾ 20
		WSA 2 TOP ²⁾	133386 ³⁾ 20
		WSA 2 TOP ²⁾	133405 ³⁾ 20
		WSA 2 TOP ²⁾	133376 ⁴⁾ 20
Covers		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 mm ²		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	DEK 6	046866 -
DEK	Consecutive vertical	DEK 6	046876 -
WS	Blank	WS 12/6	160990 -
WS DEK	Printed	WS 12/6	144766 -

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

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

Barrier		Type	Cat. No. Qty.
	Thickness 2,5 mm	ZR	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.

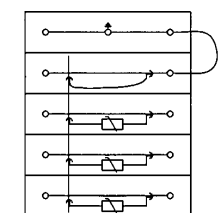
Flexibility:

- 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	DEK 6	046866 -
DEK	Consecutive vertical	DEK 6	047356 -
WS	Blank	WS 12/6	160990 -
WS DEK	Printed	WS 12/6	144766 -



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

Feed-through terminal blocks for BLA/BLZ connectors



Max. Technical Data

Dimensions		With TS 35 x 7,5		WDU 1.5/BLA	WDU 1.5/LD/BLA with red LED	WDU 1.5/R/BLA Negative return conductor in blue	WDK 2.5/BLA R 5.08 250 V
Width/length/height (mm)				5,08/45,4/57,5*/45,0/55,5*	5,08/45,4/57,5*/45,0/55,5*	5,08/45,4/57,5*/45,0/55,5*	5,08/58/53/63,5*
Insulation stripping length/clamping screw/screwdriver blade				10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	10 mm/M 2,5/3,5 x 0,6	12 mm/M 2,5/3,5 x 0,6
Rated data							
Rated voltage/rated current/rated cross-section				250 V/10 (2x8) A/1,5 mm ²	– V/10 (2x8) A/1,5 mm ²	– V/– A/1,5 mm ²	250 V/17,5 ²⁾ A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity				4 kV/3			4 kV/3
Further technical data							
Tightening torque range	Nm			0,4...0,8	0,4...0,8	0,4...0,8	0,4...0,8
Torque setting with DMS2 electric screwdriver				1	1	1	1
Clampable conductor							
solid H07V-U	mm ²			0,5...4/2,5	0,5...4/2,5	0,5...4/2,5	0,5...4/2,5
stranded H07V-R	mm ²			1,5...2,5/1,5	1,5...2,5/1,5	1,5...2,5/1,5	1,5...2,5/1,5
flexible H07V-K	mm ²			0,5...2,5/1,5	0,5...2,5/1,5	0,5...2,5/1,5	0,5...2,5/1,5
flexible H07V-K and AEH DIN 46 228/1	mm ²			0,5...2,5/1,5	0,5...2,5/1,5	0,5...2,5/1,5	0,5...2,5/1,5
flexible H07V-K and AEH with plastic insul. collar	mm ²			0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾	0,5...2,5/1,5 ¹⁾
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size			0,13...4 A 3/A 1	0,13...4 A 3/A 1	0,13...4 A 3/A 1	0,13...4 A 3/A 1
Continuous current rating of cross-connection 2-pole	A			35	35	35	–
Continuous current rating of cross-connection multipole	A			35	35	35	–
UL / CSA rated data							
Voltage / current / conductor size	UL			300 V/20 (2x10) A/26...16 AWG	300 V/20 (2x10) A/26...16 AWG	300 V/20 (2x10) A/26...16 AWG	–
Voltage / current / conductor size	CSA			300 V/10 A/26...12 AWG	12...110 V/10 A/26...12 AWG	–/–/26...12 AWG	–
Ordering data		Type	Cat. No. Qty.				
		Standard	157726 100				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**		Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.
		WAP (Thickness 2,5 mm)	With pin 157732 50 Without pin 157733 50	With pin 157732 50 Without pin 157733 50	With pin 157732 50 Without pin 157733 50	With pin 157732 50 Without pin 157733 50	With pin 107010 20 Without pin 107000 20
		VBB orange (Thickness 5 mm)	With pin 106826 10 Without pin 106816 10	With pin 106826 10 Without pin 106816 10	With pin 106826 10 Without pin 106816 10	With pin 106826 10 Without pin 106816 10	With pin 107276 10 Without pin 107266 10
Cross-connection							Cross-connection comb. insul.
		WQV	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
		Notching tool WAW 1 für WQV	WAW 1 900450 –	WAW 1 900450 –	WAW 1 900450 –	WAW 1 900450 –	
Negative conductor-busbar							
		0,5 x 4 x 120 mm		ML-SSch 106320 3	ML-SSch 106320 3		
Cover for unassigned pins							
			WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20	WAD 5/2 157740 20
Coding element							
			SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100	SLA-KO 132356 100
Socket strips		No. poles					
		BLA 2...24	BLA 2...24 B 4	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100
		BLZ 2...24	BLZ 2...24 B 6	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50
			with lateral 8	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50
			dovetail 4	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100
			guide 6	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50
			8	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50
Marking tags		Print					
		Consecutive horizontal	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –
		Consecutive vertical	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –
		Blank	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –
		Printed	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –	WS 12/5 144746 –
For further accessories see section 3, further marking material see section 8							

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

* With BLA

** Set for screwing the connector to the terminal strip

*** 20 °C ambient temperature

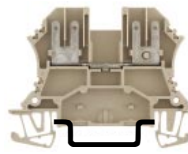
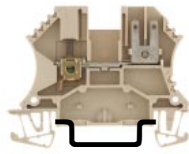
Feed-through terminal blocks

WDU 2.5 F

WDU 2.5 FF

WDK 2.5 F

WDK 2.5 FV



Max. Technical Data

Dimensions			12 A/-			12 A/-			12 A/-			12 A/-		
Width/length/height (mm)			mit TS 35 x 7,5 			5/60/47			5/60/47			5/69/63		
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/-			10 mm/M 2,5/3,5 x 0,6		
Rated data														
Rated voltage/rated current/rated cross-section			500 V m. IH/12 (2x6) A / 2,5/1 mm ²			500 V m. IH/12 (2x6) A / 1 mm ²			400 V m. IH/12 (2x6) A / 2,5/1 mm ²			400 V m. IH/12 (2x6) A / 2,5/1 mm ²		
Rated impulse voltage VDE 0110/1.89 / pollution severity			6 kV/3			6 kV/3			6 kV/3			6 kV/3		
Further technical data														
Tightening torque range			Nm			-			0,4...0,8			0,4...0,8		
Torque setting with DMS2 electric screwdriver			1			-			1			1		
Clampable conductor														
solid H07V-U			mm ²			0,5...4			-			0,5...4/1		
stranded H07V-R			mm ²			0,5...2,5			-			1,5...2,5		
flexible H07V-K			mm ²			0,5...2,5			0,5...1			0,5...2,5		
flexible H07V-K and AEH DIN 46 228/1			mm ²			0,5...2,5			-			0,5...2,5		
flexible H07V-K and AEH with plastic insul. collar			mm ²			0,5...2,5 ¹⁾			-			0,5...2,5 ¹⁾		
Max. Clamping Range in mm ²			Gauge pin to 947-1			Size			-			A 3		
Continuous current rating of cross-connection 2-pole			A			35			12			32		
Continuous current rating of cross-connection multipole			A			35			12			32		
UL / CSA rated data														
Voltage / current / conductor size			UL			300 V/10 A/22...12 AWG			300 V/10 A/22...12 AWG			300 V/10 A/22...12 AWG		
Voltage / current / conductor size			CSA			300 V/10 A/26...12 AWG			300 V/10 A/26...12 AWG			300 V/10 A/26...12 AWG		
Ordering data			Version											
WTW			WAP			Wemid			Wemid			Wemid		
						Cat. No. Qty.			Cat. No. Qty.			Cat. No. Qty.		
						102180 100			102190 100			102160 100		

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

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

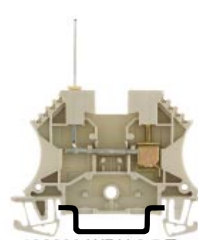
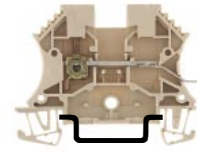
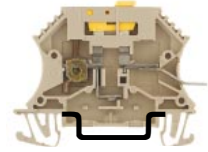
WDK 2.5 FF



WDK 2.5 FFV

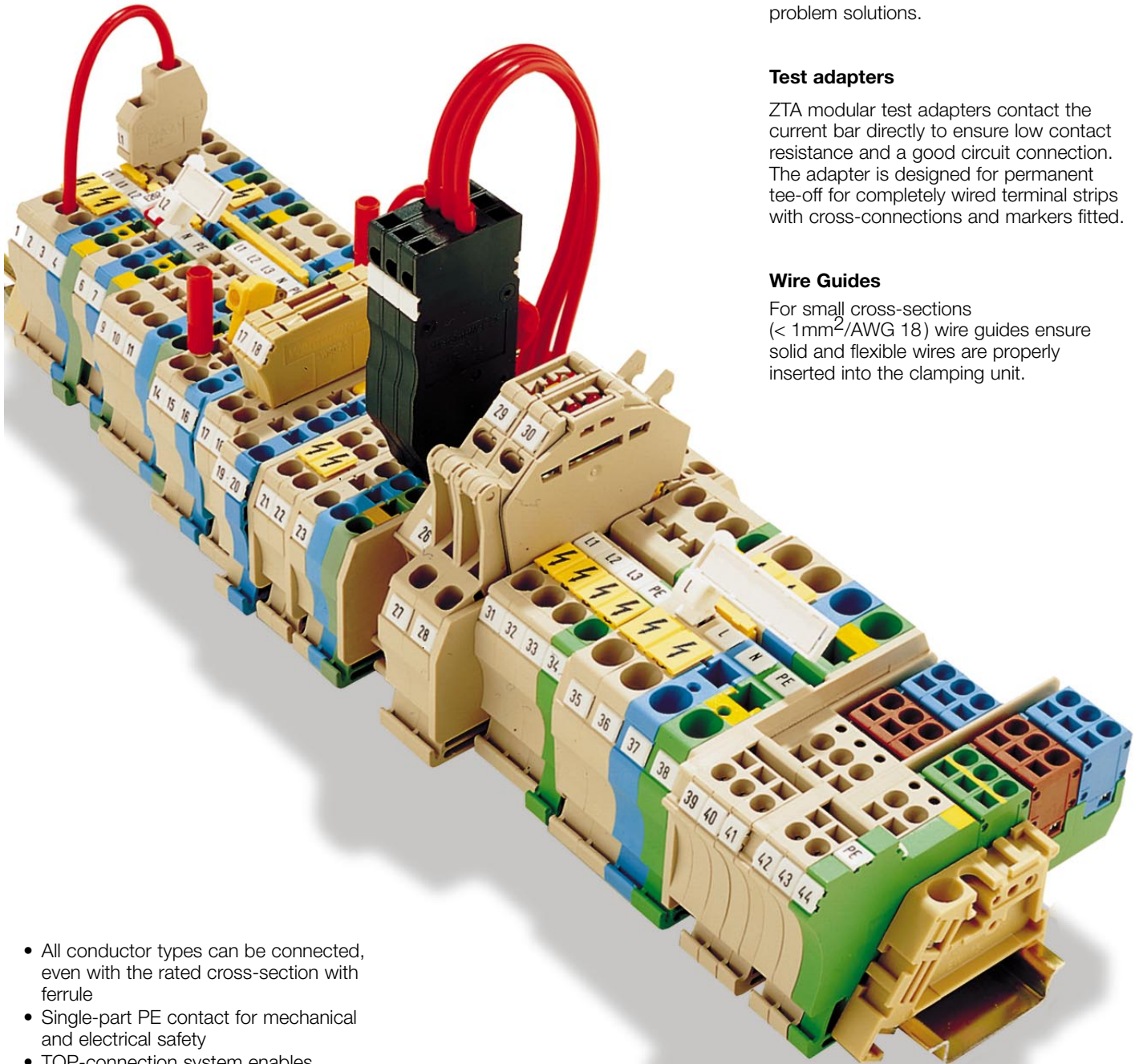
WDK 2.5 T
WDK 2.5 TT

WDU 2.5 T

WDU 2.5 L
WDU 2.5 LLWTR 2.5 L
WTR 2.5 LL

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

Z series system advantages



Useful accessories for user-orientated problem solutions.

Test adapters

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

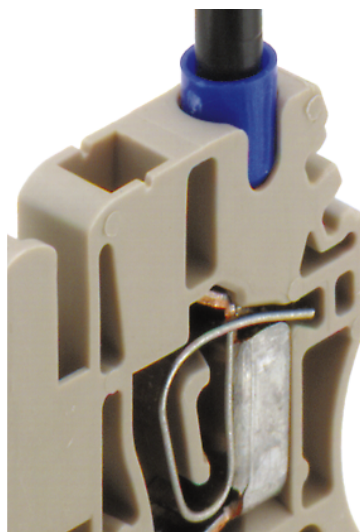
Wire Guides

For small cross-sections ($< 1\text{mm}^2/\text{AWG } 18$) wire guides ensure solid and flexible wires are properly inserted into the clamping unit.

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

Marking systems

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



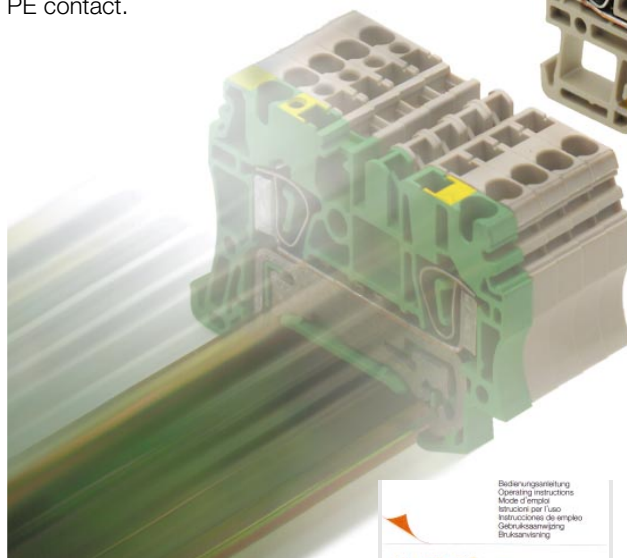
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

Cross-connection system

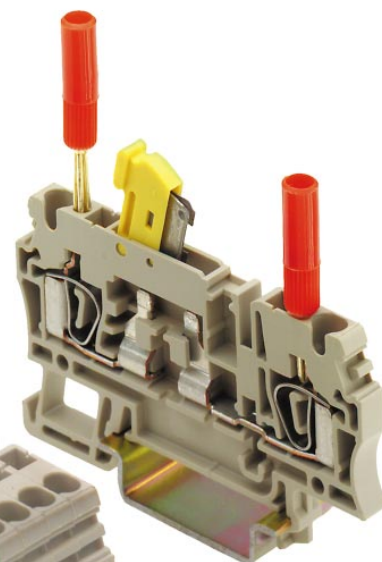
Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units; no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can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

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

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



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



ZTR disconnect test terminals

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

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

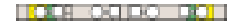
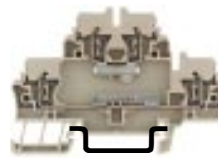
Feed-through terminal blocks and terminal blocks with electronic components

ZDK 2.5/1.5

ZDK 2.5/1.5 V

ZDK 2.5/1.5 N-DU

ZDK 2.5/1.5 DU-PE



Max. Technical Data

Dimensions											
Width / length / height (mm)	with TS 35 x 7,5 	5/79/54		5/79/54		5/79/54					
Insulation stripping length	mm	10		10		10					
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989											
Rated voltage / current / cross-section		500 V/24 A/2.5 mm ²		500 V/24 A/2.5 mm ²		500 V/24 A/2.5 mm ²	-- V/24 A/2.5 mm ²				
Rated impulse voltage / pollution severity		6 kV/3		6 kV/3		6 kV/3					
Further technical data											
Clampable conductor:											
solid H07V-U	mm ²	0.5...2.5		0.5...2.5		0.5...2.5					
flexible H07V-K	mm ²	0.5...2.5		0.5...2.5		0.5...2.5					
with ferrule to DIN 46 228/1 ¹⁾	mm ²	0.5...1,5 ²⁾		0.5...1,5 ²⁾		0.5...1,5 ²⁾					
with ferrule with plastic insulating collar**	mm ²	0.5...1,5		0.5...1,5		0.5...1,5					
Max. Clamping Range in mm ² Gauge pin to IEC 947-1/1988	Size	0,13...2,5	A2	0,13...2,5	A2	0,13...2,5	A2				
Continuous current rating of cross-connection 2-pole	A	24		24		24					
Continuous current rating of cross-connection multipole	A	24		24		24					
UL / CSA rated data											
Voltage / current / conductor size	UL	*		*		*					
Voltage / current / conductor size	CSA	*		*		*					
Ordering data		Version	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
		Wemid	ZDK 2.5/1.5	167430	50	ZDK2.5/1.5 v	168999	50	ZDK2.5/1.5N-DU	168996	50
		Blue Wemid	ZDK 2.5/1.5 BL	167863	50						
		Orange PA	ZDK 2.5/1.5 OR	169414	50						

End plate / partition

ZAP/TW	Wemid	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20	ZAP TW 2.5/1.5	167473	20
	Orange PA	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20	ZAP TW 2.5/1.5	169008	20

Cross-connection

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

Test adapter

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

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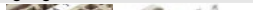
Group marking

ZGB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Reducing sleeves****

ZRH for conductor 0,13...0,2 mm ²		White	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100	ZRH 1.5 H/1	167881	100
ZRH for conductor 0,25...0,5 mm ²		Grey	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100	ZRH 1.5 H/2	167880	100
ZRH for conductor 0,75...1 mm ²		Dark grey	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100	ZRH 1.5 H/3	167879	100

Marking tags

DEK		Consecutive horizontal	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500	DEK 5	047346	500
DEK		Consecutive vertical	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500	DEK 5	047356	500
ZS 10		Blank	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480	ZS 10/5	161000	480
ZS 10		Printed	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480	ZS 10/5	161001	480

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

¹⁾ Ferrules crimped gas-tight

* Approvals applied for

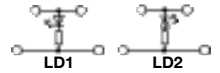
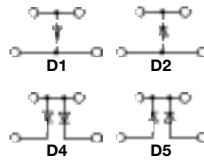
**** Standard pack includes 100 strips for 10 poles each

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

ZDK 2.5/1.5 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			5/79/54			5/79/54					
10			10			10					
-V /24 A/2.5 mm ²			24 V-/-<5 mA**/2.5 mm ²			500 V**/10 A***/2.5 mm ²					
6 kV/3			-			6 kV/3					
0.5...2.5			0.5...2.5			0.5...2.5					
0.5...2.5			0.5...2.5			0.5...2.5					
0.5...1,5 ²)			0.5...1,5 ²)			0.5...1,5 ²)					
0.5...1,5			0.5...1,5			0.5...1,5					
0,13...2,5	A2		0,13...2,5	A2		0,13...2,5	A2				
24											
24											
*											
*											
Type Cat. No. Qty.			Type Cat. No. Qty.			Type Cat. No. Qty.					
ZDK2.5/1.5N-PE168998	50		ZDK2.5/1.5LD 1 169001	50		ZDK2.5/1.5 D 1 169002	50				
			ZDK2.5/1.5LD 2 169394	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 2.5/1.5167473	20		ZAP TW 2.5/1.5167473	20		ZAP TW 2.5/1.5167473	20				
ZAP TW 2.5/1.5169008	20		ZAP TW 2.5/1.5169008	20		ZAP TW 2.5/1.5169008	20				
ZQV 2.5/2 160886	60		ZQV 2.5/2 160886	60		ZQV 2.5/2 160886	60				
ZQV 2.5/3 160887	60		ZQV 2.5/3 160887	60		ZQV 2.5/3 160887	60				
ZQV 2.5/4 160888	60		ZQV 2.5/4 160888	60		ZQV 2.5/4 160888	60				
ZQV 2.5/5 160889	20		ZQV 2.5/5 160889	20		ZQV 2.5/5 160889	20				
ZQV 2.5/6 160890	20		ZQV 2.5/6 160890	20		ZQV 2.5/6 160890	20				
ZQV 2.5/7 160891	20		ZQV 2.5/7 160891	20		ZQV 2.5/7 160891	20				
ZQV 2.5/8 160892	20		ZQV 2.5/8 160892	20		ZQV 2.5/8 160892	20				
ZQV 2.5/9 160893	20		ZQV 2.5/9 160893	20		ZQV 2.5/9 160893	20				
ZQV 2.5/10 160894	20		ZQV 2.5/10 160894	20		ZQV 2.5/10 160894	20				
ZQV 2.5/50 169754	20		ZQV 2.5/50 169754	20		ZQV 2.5/50 169754	20				
ZTA 4 / ZA 168811	25		ZTA 4 / ZA 168811	25		ZTA 4 / ZA 168811	25				
SD 0,6 x 3,5 902423	1		SD 0,6 x 3,5 902423	1		SD 0,6 x 3,5 902423	1				
ZGB 30 161193	20		ZGB 30 161193	20		ZGB 30 161193	20				
ESO 7 160772	240		ESO 7 160772	240		ESO 7 160772	240				
STR 7 051530	20		STR 7 051530	20		STR 7 051530	20				
ZRH 1.5 H/1 167881	100		ZRH 1.5 H/1 167881	100		ZRH 1.5 H/1 167881	100				
ZRH 1.5 H/2 167880	100		ZRH 1.5 H/2 167880	100		ZRH 1.5 H/2 167880	100				
ZRH 1.5 H/3 167879	100		ZRH 1.5 H/3 167879	100		ZRH 1.5 H/3 167879	100				
DEK 5 047346	500		DEK 5 047346	500		DEK 5 047346	500				
DEK 5 047356	500		DEK 5 047356	500		DEK 5 047356	500				
ZS 10/5 161000	480		ZS 10/5 161000	480		ZS 10/5 161000	480				
ZS 10/5 161001	480		ZS 10/5 161001	480		ZS 10/5 161001	480				

** Equipped with diode type 1N 4007,reverse voltage 1000 V, current 1 A

*** current of through-busbar = 10 A

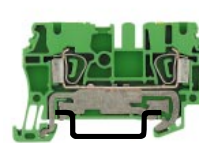
Protective conductor terminal blocks

ZPE 2.5-2/3AN

ZPE 2.5-2/4AN

ZPE 2.5

ZPE 2.5/3AN



Dimensions

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

Insulation stripping length mm

Bemessungsdaten IEC947-7-2

Rated voltage / current PEN / cross-section
Rated voltage / rated impulse voltage / pollution severity
to VDE 0110/1.89 to adjacent terminal

Further technical data

Clampable conductor:

solid H07V-U mm²

flexible H07V-K mm²

with ferrule to DIN 46 228/1** mm²

with ferrule with plastic insulating collar** mm²

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

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

Version

Green/yellow Wemid

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

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

Type Cat. No. Qty.
ZPE 2.5 **160864** 100

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

End plate / partition

Version

ZAP/TW Beige Wemid

ZAP/TW7 **170611** 50

ZAP/TW7 **170611** 50

ZAP/TW1 **160874** 50

ZAP/TW2 **160877** 50

Support block

SH



For insulation of
mounting rails in
insulated-earth installations

SH 2 **049492** 10

SH 2 **049492** 10

SH 2 **049492** 10

SH 2 **049492** 10

Test adapter

Version

ZTA

Without pin

With pin

PS

TA



ZTA 4/ZA **168811** 25

TA 1 **053586** 20

ZTA 4/ZA **168811** 25

TA 1 **053586** 20

ZTA 1 **160904** 25

ZTA 1/ZA **160905** 25

TA 1 **053586** 20

PS 2.3 **018040** 20

PS 2.0 **029380** 20

ZTA 1 **160904** 25

ZTA 1/ZA **160905** 25

TA 1 **053586** 20

PS 2.3 **018040** 20

PS 2.0 **029380** 20

Screwdriver

SD to DIN 5264-A



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

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

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

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

Group marking

ZGB

ESO Blank snap-on tag

STR Transparent protective cover



ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

ZGB 30 **161193** 20

ESO 7 **160772** 240

STR 7 **051530** 20

Reducing sleeves**

Colour

ZRH for conductor 0,13...0,2 mm²

ZRH for conductor 0,25...0,5 mm²

ZRH for conductor 0,75...1 mm²

White

Grey

Dark grey



ZRH 1.5H/1 **167881** 100

ZRH 1.5H/2 **167880** 100

ZRH 1.5H/3 **167879** 100

ZRH 1.5H/1 **167881** 100

ZRH 1.5H/2 **167880** 100

ZRH 1.5H/3 **167879** 100

ZRH 2.5/1 **161430** 100

ZRH 2.5/2 **161429** 100

ZRH 2.5/3 **161428** 100

ZRH 2.5/1 **161430** 100

ZRH 2.5/2 **161429** 100

ZRH 2.5/3 **161428** 100

Marking tags

Print

DEK Consecutive horizontal

DEK Consecutive vertical

ZS 10 Blank

ZS 10 Printed



DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

DEK 5 **047346** 500

DEK 5 **047356** 500

ZS 10/5 **161000** 480

ZS 10/5 **161001** 480

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

* Approvals applied for
** Ferrules crimped gas-tight

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

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

ZPE 2.5/4AN

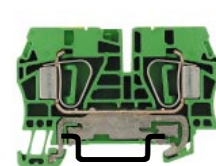
ZDK 2.5/1.5 PE

ZDK 2.5/1.5 DU-PE

ZDK 2.5/1.5 N-PE

ZPE 4

ZPE 6

5/79/39
10-V/-A/2,5 mm²
800 V/8 kV/30,5...4
0,5...4
0,5...2,5
0,5...2,5

0,13...4 A3

-V/-A/26...12 AWG
-V/-A/26...12 AWG

Type	Cat. No.	Qty.
ZPE 2.5/4AN	160866	100

ZAP/TW3 **160880** 50SH 2 **049492** 10

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

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

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

5/79/54
10-V/-A/2,5 mm²
500/6 kV/30,5...2,5
0,5...2,5
0,5...1,5¹⁾
0,5...1,5

0,13...2,5 A2

*
*

Type	Cat. No.	Qty.
ZDK 2.5/1.5 PE	169000	50

ZAP/TW ZDK2.5 **167473** 50SH 2 **049492** 10ZTA 4/ZA **168811** 25SD 0,6 x 3,5 **902423** 1

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

ZRH 1.5H/1	167881	100
ZRH 1.5H/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

5/79/54
10-V/24A/2,5 mm²
500/6 kV/30,5...2,5
0,5...2,5
0,5...1,5¹⁾
0,5...1,5

0,13...2,5 A2

*
*

Type	Cat. No.	Qty.
ZDK 2.5/1.5 DU-PE	168997	50

ZAP/TW ZDK2.5 **167473** 50SH 2 **049492** 10ZTA 4/ZA **168811** 25SD 0,6 x 3,5 **902423** 1

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

ZRH 1.5H/1	167881	100
ZRH 1.5H/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

5/79/54
10-V/-A/2,5 mm²
500/6 kV/30,5...2,5
0,5...2,5
0,5...1,5¹⁾
0,5...1,5

0,13...2,5 A2

*
*

Type	Cat. No.	Qty.
ZDK 2.5/1.5 N-PE	168998	50

ZAP/TW ZDK2.5 **167473** 50SH 2 **049492** 10ZTA 4/ZA **168811** 25SD 0,6 x 3,5 **902423** 1

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

ZRH 1.5H/1	167881	100
ZRH 1.5H/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

6 /62 /43,5
12-V/-A/4 mm²
800 V/8 kV/30,5...6
0,5...6
0,5...4
0,5...4

0,21...6 A4

-V/-A/26...10 AWG
-V/-A/26...10 AWG

Type	Cat. No.	Qty.
ZPE 4	163208	100

ZAP/TW4 **163209** 50SH 2 **049492** 10

ZTA 2	160906	25
ZTA 2/ZA	160907	25
TA 1	053586	20
PS 2.3	018040	20
PS 2.0	029380	20

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

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

ZRH 4/1	163664	100
ZRH 4/2	163665	100
ZRH 4/3	163666	100

DEK 6	046866	500
DEK 6	046876	500
ZS 12/6	161002	400
ZS 12/6	161003	400

8/65/45,5
13-V/-A/6mm²
800 V/8 kV/30,5...10
0,5...10
0,5...6
0,5...6

0,21...10 A5

-V/-A/22...8 AWG
-V/-A/20...8 AWG

Type	Cat. No.	Qty.
ZPE 6	160867	50

ZAP/TW5 **160883** 50SH 2 **049492** 10

ZTA 3	165405	25
TA 1	053586	20

SD 1 x 5,5 **902429** 1

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

DEK 8	127696	500
DEK 8	128966	500
ZS 12/6	161002	400
ZS 12/6	161003	400

Disconnect test terminal blocks

ZTR 2.5

ZTR 2.5/3 AN

ZTR 2.5/D

ZTR 2.5/3 AN/D



Dimensions							
Width / length / height (mm)	with TS 35 x 7,5	5/68/41	5/83/41	5/68/57	5/83/57		
Insulation stripping length	mm	10	10	10	10		
Bemessungsdaten							
Rated voltage / current / cross-section		400 V/18 A**/2,5 mm ²	400 V/16 A**/2,5 mm ²	400 V/10 A**/2,5 mm ²	400 V/10 A**/2,5 mm ²		
Rated impulse voltage / pollution severity, VDE 0110/1.89		6 kV/3	6 kV/3	6 kV/3	6 kV/3		
Further technical data							
Clampable conductor:							
solid H07V-U	mm ²	0,5...4	0,5...4	0,5...4	0,5...4		
flexible H07V-K	mm ²	0,5...4	0,5...4	0,5...4	0,5...4		
with ferrule to DIN 46 228/1***	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5		
with ferrule with plastic insulating collar***	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5		
Max. Clamping Range in mm ² /Gauge pin to IEC 947-1/1988	Size	0,13...4 A3	0,13...4 A3	0,13...4 A3	0,13...4 A3		
UL / CSA rated data							
Voltage / current / conductor size		300 V/10 A/26...12 AWG	*	300 V/- A/26...12 AWG	*		
Ordering data		Version	Type	Cat. No.	Qty.	Type	Cat. No.
		Wemid	ZTR 2.5	160868	100	ZTR 2.5/3AN	166830
		Blue Wemid	ZTR 2.5BL	160869	100	ZTR 2.5/3ANBL	167030
		Orange PA	ZTR 2.5OR	163684	100	ZTR 2.5/3ANOR	167032
		Without disconnect lever	ZTR 2.5/O.TNHE	160870	100	ZTR 2.5/3ANO.TNHE	167031
		With diode +D+				ZTR 2.5/D+	160871
		With diode -K+				ZTR 2.5/D-	160872
		With wire link				ZTR 2.5/D/DRBR	160873
End plate / partition		Version	ZAP/TW2	160877	50	ZAP/TW3	160880
ZAP/TW		Blue Wemid	ZAP/TW2BL	160878	50	ZAP/TW3BL	160881
		Orange PA	ZAP/TW2OR	160879	50	ZAP/TW3OR	160882
Cross-connection			ZQV 2.5/2	160886	60	ZQV 2.5/2	160886
ZQV			ZQV 2.5/3	160887	60	ZQV 2.5/3	160887
			ZQV 2.5/4	160888	60	ZQV 2.5/4	160888
			ZQV 2.5/5	160889	20	ZQV 2.5/5	160889
			ZQV 2.5/6	160890	20	ZQV 2.5/6	160890
			ZQV 2.5/7	160891	20	ZQV 2.5/7	160891
			ZQV 2.5/8	160892	20	ZQV 2.5/8	160892
			ZQV 2.5/9	160893	20	ZQV 2.5/9	160893
			ZQV 2.5/10	160894	20	ZQV 2.5/10	160894
			ZQV 2.5/50	169754	20	ZQV 2.5/50	169754
			ZQW 1	161143	5	ZQW 1	161143
			ZQW 2	161144	5	ZQW 2	161144
Test adapter/Test plugs		Version	ZTA 1	160904	25	ZTA 1	160904
ZTA		Without pin	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905
		With pin	PS 2.0	029380	20	PS 2.0	029380
			PS 2.3	018040	20	PS 2.3	018040
Screwdriver			SD 0,6 x 3,5	902423	1	SD 0,6 x 3,5	902423
Cover			ZAD 1/4	160911	20	ZAD 1/4	160911
Reducing sleeves****		Colour	ZRH 2.5/1	161430	100	ZRH 2.5/1	161430
ZRH for conductor 0,13...0,2 mm ²		White	ZRH 2.5/2	161429	100	ZRH 2.5/2	161429
ZRH for conductor 0,25...0,5 mm ²		Grey	ZRH 2.5/3	161428	100	ZRH 2.5/3	161428
ZRH for conductor 0,75...1 mm ²		Dark grey					
Diode plug (spare)			WSD 2.5	105856	25	WSD 2.5	105856
		+D+	WSD 2.5	105846	25	WSD 2.5	105846
		-K+	WSD 2.5	105866	25	WSD 2.5	105866
		With wire link	WSD 2.5	105876	25	WSD 2.5	105876
		Without special components					
Group marking			ZGB 30	161193	20	ZGB 30	161193
ZGB		Blank snap-on tag	ESO 7	160772	240	ESO 7	160772
ESO		Transparent protective cover	STR 7	051530	20	STR 7	051530
STR							
Marking tags		Print	DEK 5	047346	500	DEK 5	047346
DEK		Consecutive horizontal	DEK 5	047356	500	DEK 5	047356
ZS 10		Consecutive vertical	ZS 10/5	161000	480	ZS 10/5	161000
ZS 10 DEK		Blank	ZS 10/5	161001	480	ZS 10/5	161001
		Printed					

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

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

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

** The rated current is limited to 1 A by using the diode plug with Diode type 1 N 4007, reverse voltage 1000 V, current 1 A

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

Fuse terminal blocks

ZSI 2.5

for metric fuses

ZSI 2.5/2

for inch fuses



Dimensions

Width / length / height (mm) with TS 35 x 7,5  10
Insulation stripping length mm

Rated data

Terminal block base:

Rated voltage / current / cross-section

Rated impulse voltage / pollution severity to VDE 0110/1.89

Fuse switches:

Fuse cartridges to VDE 0820

Dissipation at 23 °C and 1.5 x I rated current

– Single arrangement

Combined arrangement

Further technical data

Clampable conductor:

solid H07V-U mm²

flexible H07V-K mm²

with ferrule to DIN 46 228/1*** mm²

with ferrule with plastic insulating collar*** mm²

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

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

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

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

Cross-connection

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

Test adapter	Version
ZTA	Without pin
	With pin

Screwdriver

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

Group marking

ZGB		Blank snap-on tag
ESO		Transparent protective cover
STR		

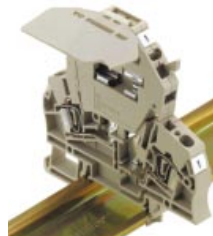
Marking tags	Print
DEK 5	Consecutive horizontal
DEK 5	Consecutive vertical
ZS 10	Blank
ZS 10	Printed
WS 10	Blank
WS 10	vertical Printed
WS 10	horizontal Printed

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

8/79/74	12/79/74
10	10
500 V/6,3 A/2,5 mm ²	500 V/10 A/2,5 mm ²
6 kV/3	6 kV/3
5 x 20 mm	1/4" x 1/1/4" (6,3 x 32 mm)
2,5	2,5
1,6	2,5
0,5...4	0,5...4
0,5...4	0,5...4
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,13...4	0,13...4
A3	A3
600 V/10 A/26...12 AWG	600 V/16 A/26...12 AWG
600 V/15 A/26...12 AWG	600 V/15 A/26...12 AWG
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
ZAP/TW3	160880 50
ZAP/TW3BL	160881 50
ZAP/TW3OR	160882 50
ZAP TNHE/ZSI 2.5	161084 25
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
ZAP TNHE/ZSI 2.5	161084 25
ZQV 6/2	162785 60
ZQV 6/3	162786 60
ZQV 6/4	162787 60
ZQV 2.5/2	163320 20
ZQV 2.5/3	163321 20
ZQV 2.5/4	163322 20
ZQV 2.5/5	163323 20
ZTA 1	160904 25
ZTA 1/ZA	160905 25
ZTA 1	160904 25
ZTA 1/ZA	160905 25
SD 0,6 x 3,5	902423 1
SD 0,6 x 3,5	902423 1
ZGB 30	161193 20
ESO 7	160772 240
STR 7	051530 20
ZGB 30	161193 20
ESO 7	160772 240
STR 7	051530 20
DEK 5	047346 500
DEK 5	047356 500
ZS 10/5	161000 480
ZS 10/5	161001 480
WS 10/5	106086 200
WS 10/5	144706 200
WS 10/5	144716 200
DEK 5	047346 500
DEK 5	047356 500
ZS 10/5	161000 480
ZS 10/5	161001 480
WS 10/5	106086 200
WS 10/5	144706 200
WS 10/5	144716 200

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

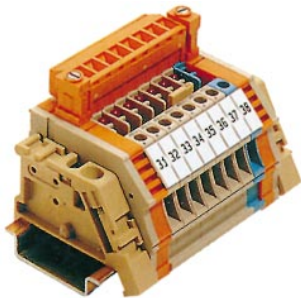
Cat.-Nr. for G-fuse inserts see Page 2/93

Modular terminal blocks for plug-in connectors

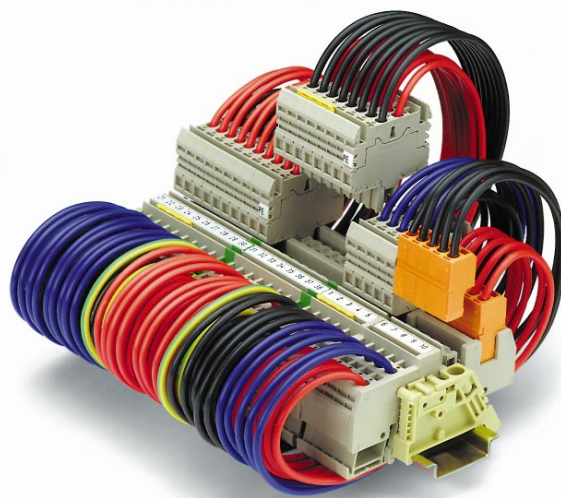
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

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.

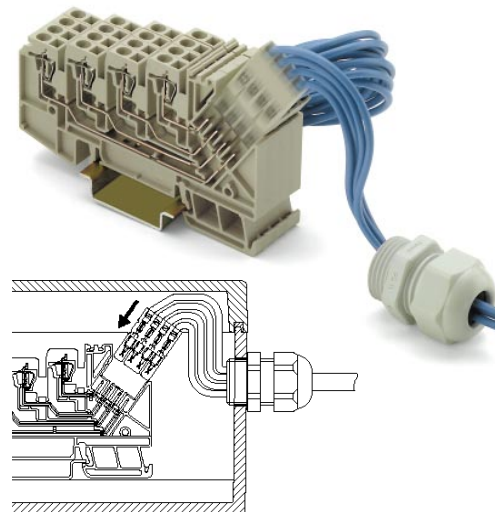
WDU 2.5/BLZ WDK 2.5/BLZ



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.

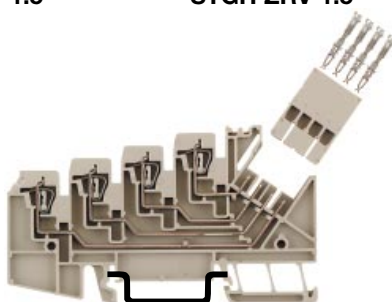
- pitch: 5.08 and 7.62 mm
- rated voltage: 250 and 500 V
- versions with LED's
- mounting brackets for firmly securing plug-in connectors
- for BLZ and BLA systems

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.

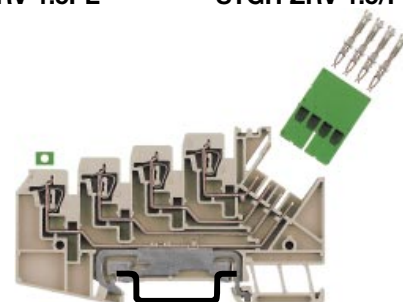
- modular construction; plug-in connectors for between 2 and 12 poles
- base terminal as well as plug-in connector are each equipped with two connections and two cross-connection channels
- coding system that does not reduce number of poles
- resistant to shaking or vibrations
- no end or partition plates 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.

Terminal block for plug-in connectors



STGH ZRV 1.5

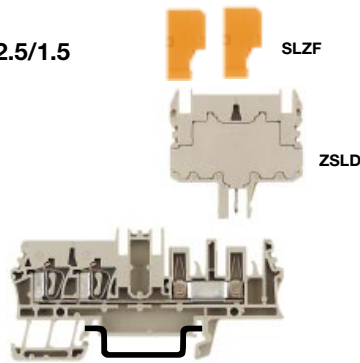


STGH ZRV 1.5/PE

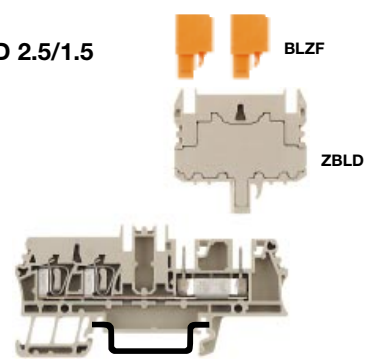
2

Pluggable Terminal blocks

ZKBD 2.5/1.5



ZKSD 2.5/1.5



Dimensions

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

Bemessungsdaten

Rated voltage / current / cross-section
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity

Further technical data

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

UL / CSA rated data

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

Ordering data

Base terminal block Version
Base terminal block Wemid

Connector

ZKBD / ZSLD ZKBD / SLZF

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

250 V/16 A/2,5 mm² 250 V/16 A/1,5 mm²

4 kV/3 4 kV/3

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

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

0,5...1,5¹⁾ 0,5...1,5

0,5...1,5 0,5...1,5

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

16 16

16 16

*

*

Type Cat. No. Qty.

ZKBD 2.5 /1.5 168826 100

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

ZSLD 2.5/1.5/2 168828 25 SLZF 5,08/2 167945 100

ZSLD 2.5/1.5/3 168829 25 SLZF 5,08/3 167946 100

ZSLD 2.5/1.5/4 168889 25 SLZF 5,08/4 167947 100

ZSLD 2.5/1.5/5 168890 20 SLZF 5,08/5 167948 50

ZSLD 2.5/1.5/6 168891 20 SLZF 5,08/6 167949 50

ZSLD 2.5/1.5/7 168892 20 SLZF 5,08/7 167950 50

ZSLD 2.5/1.5/8 168893 20 SLZF 5,08/8 167951 50

ZSLD 2.5/1.5/9 168894 10 SLZF 5,08/9 167952 50

ZSLD 2.5/1.5/10 168895 10 SLZF 5,08/10 167953 50

ZSLD 2.5/1.5/11 168896 10 SLZF 5,08/11 167954 50

ZSLD 2.5/1.5/12 168897 10 SLZF 5,08/12 167955 50

ZAP/TW 3 160880 50 ZAP 6 168830 50

ZAP/TW 3 160882 50 ZAP 6 168833 50

ZVR 168834 20 ZAP/VR 1 168831 50

ZQV 2.5/2 160886 60

ZQV 2.5/3 160887 60

ZQV 2.5/4 160888 60

ZQV 2.5/5 160889 20

ZQV 2.5/6 160890 20

ZQV 2.5/7 160891 20

ZQV 2.5/8 160892 20

ZQV 2.5/9 160893 20

ZQV 2.5/10 160894 20

ZQV 2.5/50 169754 20

ZTA 4/ZA 168811 25

SD 0,6 x 3,5 902423 1

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZRH 1.5H /1 167881 100 ZRH 1.5N /1 163214 100

ZRH 1.5H /2 167880 100 ZRH 1.5N /2 163213 100

ZRH 1.5H /3 167879 100 ZRH 1.5N /3 163212 100

DEK 5 047346 500

DEK 5 047356 500

ZS 10/5 161000 480

ZS 10/5 161001 480

End plate / partition/Fixing bracket

ZAP Wemid

Orange PA

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

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

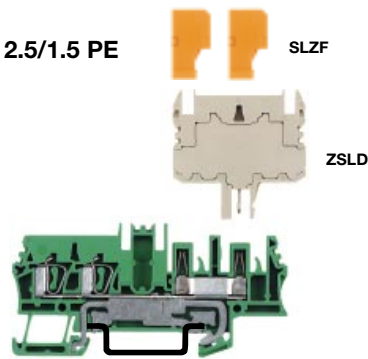
** Ferrules crimped gas-tight

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

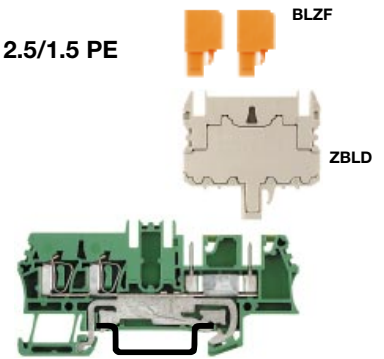
¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5
(Cat. No. 901146) 2,5 mm² possible too

Pluggable Ground Terminal block

ZKBD 2.5/1.5 PE



ZKSD 2.5/1.5 PE



Dimensions	
Width / length / height plugged in (mm)	with TS 35 x 7,5
Insulation stripping length	mm
Rated data	
Rated voltage / current PEN / cross-section	
Rated voltage / rated impulse voltage / pollution severity	
to VDE 0110/1.89 to adjacent terminal	

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

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

Ordering data	
Base terminal block	Green/yellow Wemid

Connector

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

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

Test adapter	Version
ZTA	With pin

Screwdriver	
SD to DIN 5264-A	

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

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

Marking tags	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
ZS 10	Blank
ZS 10	Printed

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

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

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

*	
*	

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKBD 2.5 / 1.5 PE	168827	100			
ZSLD 2.5/1.5/2	168828	25	SLZF 5,08/2	167945	100
ZSLD 2.5/1.5/3	168829	25	SLZF 5,08/3	167946	100
ZSLD 2.5/1.5/4	168889	25	SLZF 5,08/4	167947	100
ZSLD 2.5/1.5/5	168890	20	SLZF 5,08/5	167948	50
ZSLD 2.5/1.5/6	168891	20	SLZF 5,08/6	167949	50
ZSLD 2.5/1.5/7	168892	20	SLZF 5,08/7	167950	50
ZSLD 2.5/1.5/8	168893	20	SLZF 5,08/8	167951	50
ZSLD 2.5/1.5/9	168894	10	SLZF 5,08/9	167952	50
ZSLD 2.5/1.5/10	168895	10	SLZF 5,08/10	167953	50
ZSLD 2.5/1.5/11	168896	10	SLZF 5,08/11	167954	50
ZSLD 2.5/1.5/12	168897	10	SLZF 5,08/12	167955	50

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

SH 2	049492	10
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ZTA 4/ZA	168811	25
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SD 0,6 x 3,5	902423	1
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

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

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

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

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

*	
*	

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
ZKSD 2.5/1.5 PE	169762	100			
ZBLD 2.5/1.5/2	169763	25	BLZF 5,08/2	167991	100
ZBLD 2.5/1.5/3	169764	25	BLZF 5,08/3	167992	100
ZBLD 2.5/1.5/4	169765	25	BLZF 5,08/4	167993	100
ZBLD 2.5/1.5/5	169766	20	BLZF 5,08/5	167994	50
ZBLD 2.5/1.5/6	169767	20	BLZF 5,08/6	167995	50
ZBLD 2.5/1.5/7	169768	20	BLZF 5,08/7	167996	50
ZBLD 2.5/1.5/8	169769	20	BLZF 5,08/8	167997	50
ZBLD 2.5/1.5/9	169770	10	BLZF 5,08/9	167998	50
ZBLD 2.5/1.5/10	169771	10	BLZF 5,08/10	167999	50
ZBLD 2.5/1.5/11	169772	10	BLZF 5,08/11	168000	50
ZBLD 2.5/1.5/12	169773	10	BLZF 5,08/12	168001	50

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

SH 2	049492	10
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ZTA 4/ZA	168811	25
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SD 0,6 x 3,5	902423	1
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

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

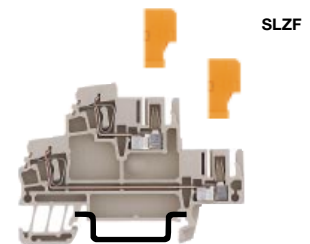
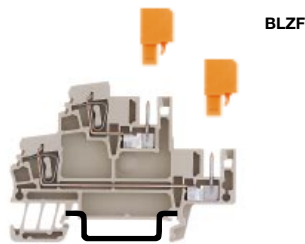
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

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

Pluggable Terminal blocks

ZDKS

ZDKB



Dimensions	
Width / length / height plugged in (mm)	with TS 35 x 7,5
Insulation stripping length	mm
Rated data	
Rated voltage / current / cross-section	
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity	
Further technical data	
Clampable conductor:	
solid H07V-U	mm ²
flexible H07V-K	mm ²
with ferrule to DIN 46 228/1**	mm ²
with ferrule with plastic insulating collar**	mm ²
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size
Continuous current rating of cross-connection 2-pole	A
Continuous current rating of cross-connection multipole	A
UL / CSA rated data	
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA
Ordering data	
Base terminal block	Wemid

Connector

End plate / partition/Verriegelung	Version
ZAP	Wemid
ZVR	Beige PA
ZVR	grün PA

Cross-connection	
ZQV 2.5	
ZQV 2.5	

Test adapter	Version
ZTA	With pin

Screwdriver	
SD to DIN 5264-A	
Group marking	

ZGB	Blank snap-on tag
ESO	Transparent protective cover
STR	

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

Marking tags	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
ZS 10	Blank
ZS 10	Printed

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

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

ZDKS	BLZF
5/79/62	5/79/49
8	7
250 V/16 A/2,5 mm ²	
250 V/16 A/1,5 mm ²	
4 kV/3	
0,5...2,5	
0,5...2,5	
0,5...1,5 ¹⁾	
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
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SD 0,6 x 3,5	902423	1
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

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

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

ZDKB	SLZF
5/79/62	5/79/49
8	7
250 V/16 A/2,5 mm ²	
250 V/16 A/1,5 mm ²	
4 kV/3	
0,5...2,5	
0,5...2,5	
0,5...1,5 ¹⁾	
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
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ZVR1 ZDKS 2.5/1.5	169963	20
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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
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SD 0,6 x 3,5	902423	1
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ZGB 30	161193	20
ESO 7	160772	240
STR 7	051530	20

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

ZDUB 2.5-2

Miniblocks in tension clamp technology

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

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

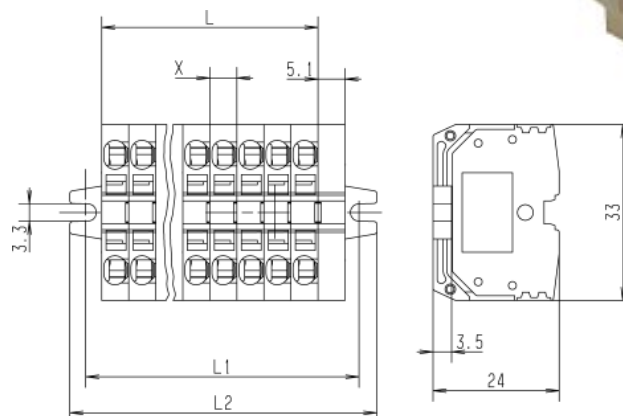
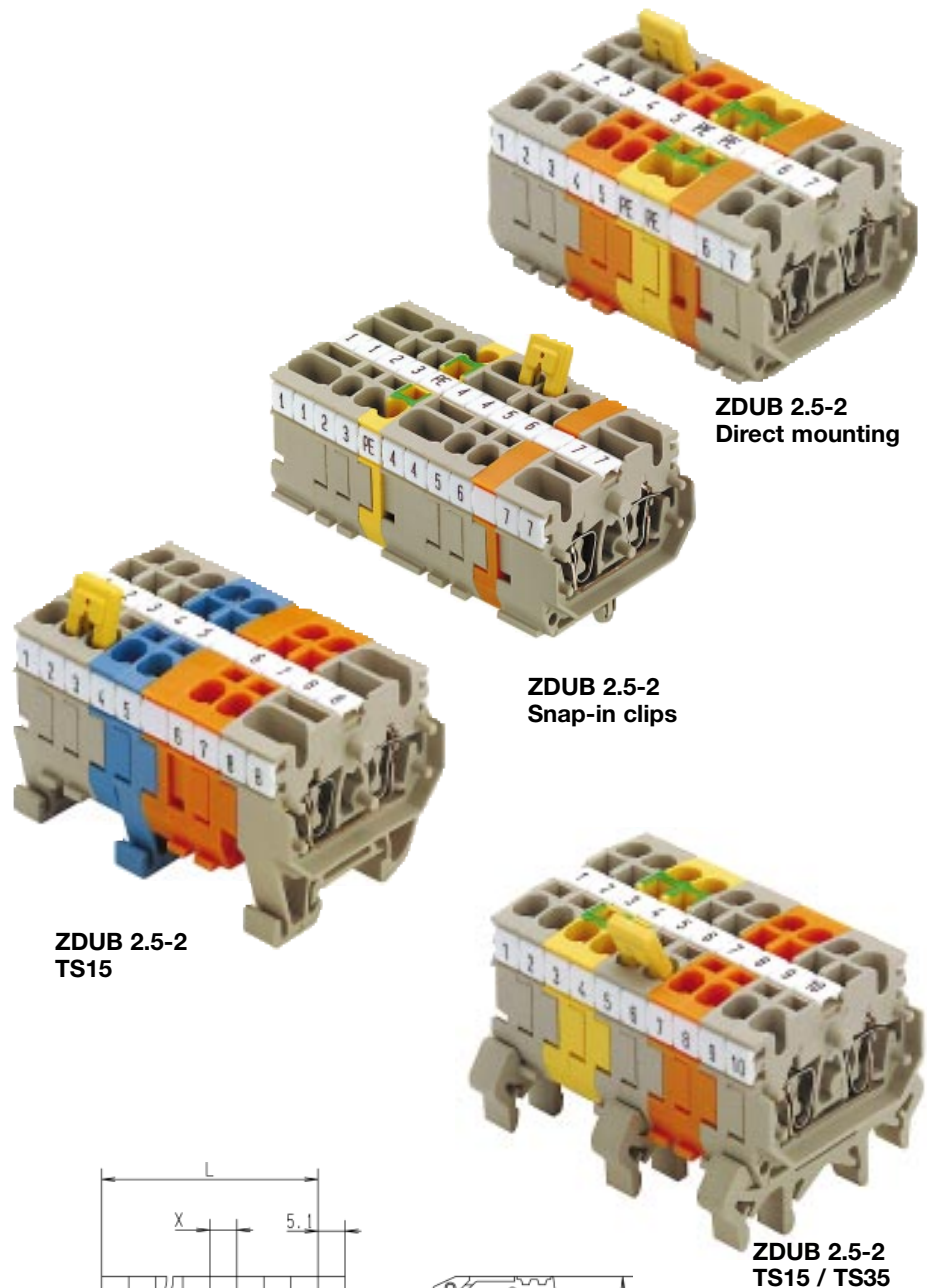
With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By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

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

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

Summary of advantages

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



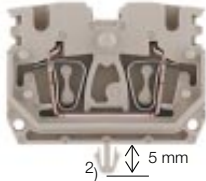
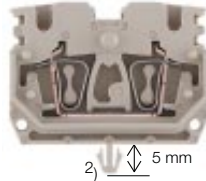
Rated data IEC 947-7-1

Rated voltage 800 V
 Rated current 24 A
 Rated cross-section 2,5 mm²

Drilling plan (Dimensions in mm)

$L = (X \text{ terminals} \times 5,15) + (X \text{ terminals} \times 10,25)$
 $L1 = L + 11,0$
 $L2 = L + 17,0$
 Fixing screw M 3

Miniblocks

	ZDUB 2.5-2/2AN	ZDUB 2.5-2/4AN	ZDUB 2.5-2/2AN	ZDUB 2.5-2/4AN
	Direct mounting	Direct mounting	Snap-in clips	Snap-in clips
				
				
Dimensions				
Width / length / height (mm)	with TS 15  5/33/24	10/33/24	5/33/24	10/33/24
Insulation stripping length	mm 10	10	10	10
Rated data IEC 947-7-1				
Rated voltage / current / cross-section	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²	800 V/24 A/2,5 mm ²
Rated insulation voltage to the neighbor terminals				
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Further technical data				
Clampable conductor:				
solid H07V-U	mm ² 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
flexible H07V-K	mm ² 0,5...2,5	0,5...2,5	0,5...2,5	0,5...2,5
with ferrule to DIN 46 228/1**	mm ² 0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
with ferrule with plastic insulating collar**	mm ² 0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
Max. Clamping Range in mm ² /Gauge pin to IEC 947-1/1988 Size	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2
UL / CSA rated data				
Voltage / current / conductor size	UL - *	600V/20A/26...12AWG	- *	600V/20A/26...12AWG
Voltage / current / conductor size	CSA - *	- *	- *	- *
Ordering data	Version	Type	Cat. No.	Qty.
Centreterminals ZDUB 2.5-2/2AN and 4AN	beige Wemid	2AN/DM	170435	100
to be used with TS 15 or Clip versions,	blue Wemid	2AN/DM BL	170436	100
in case each individual terminal is not	orange PA	2AN/DM OR	170437	100
equipped with clip or foot	yellow/green Wemid	2AN/DM GE	170438	100
Endterminal ZDUB 2.5-2	beige Wemid	2AN/DB	170450	100
with flange.	blue Wemid	2AN/DB BL	170451	100
Necessary for customer assembly of	orange PA	2AN/DB OR	170452	100
individual No. of poles	yellow/green Wemid	2AN/DB GE	170453	100
Multipole terminals ZDUB 2.5-2	2 pol	2AN/2/DB	170439	50
Special versions out off 2AN and 4AN	3 pol	2AN/3/DB	170440	50
as well as other colours will be supplied	4 pol	2AN/4/DB	170441	20
upon customer request.	5 pol	2AN/5/DB	170442	20
	7-pole	2AN/6/DB	170443	20
	8-pole	2AN/7/DB	170444	20
	9-pole	2AN/8/DB	170445	10
	10-pole	2AN/9/DB	170446	10
	11-pole	2AN/10/DB	170447	10
	12-pole	2AN/11/DB	170448	10
		2AN/12/DB	170449	10
Fixing bracket		ZBB ZDUB	170474	50
Necessary for customer assembly of				
individual No. of poles				
Clip-on combifoot TS15 / TS35 for direct mounting versions		MOFU 15/35 ZDUB		
		172366	50	
End plate				
ZAP ZDUB = Thickness 5 mm	Wemid			
ZAP/TW ZDUA = Thickness 1.5 mm	Blue Wemid			
	Orange Wemid			
Partition				
Thickness 5 mm	Orange Wemid	ZTW ZDUB	170434	50
Cross-connection				
ZQB 2.5 für ZDUB-Type	2-pole			
ZQV 2.5N für ZDUA-Type	3-pole	ZQB 2.5	167712	50
	4-pole			
	10-pole			
Screwdriver				
SD to DIN 5264-A		SD 0,6 x 3,5	902423	1
				
Marking tags	Print			
DEK	Consecutive horizontal	DEK 5	047346	500
DEK	Consecutive vertical	DEK 5	047356	500
ZS 10	Blank	ZS 10/5	161000	480
ZS 10	printed	ZS 10/5	161001	480
				
See page 2/60 as well as section 3 for additional accessories				

* Approvals applied for
** Ferrules crimped gas-tight

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

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

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



Dimensions	
Width / length / height	mm
Insulation stripping length	mm
Rated data	
Rated voltage / current / cross-section	
Rated insulation voltage to VDE 0110 / 2.89 / pollution severity	
Further technical data	
Clampable conductor:	
solid H07V-U	mm ²
flexible H07V-K	mm ²
with ferrule to DIN 46 228/1**	mm ²
with ferrule with plastic insulating collar**	mm ²
Max. Clamping Range in mm ² /Gauge pin to IEC 947-1/1988 Size	

6/21/61
10
400 V/17,5 A/2,5 mm ²
6 kV/3
0,5...4
0,5...4
0,5...2,5
0,5...2,5
A3

Ordering data	Version
	Wemid

Type	Cat. No.	Qty.
ZZA 2.5	164669	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 in provided so that each second terminal can be used.



Marking tags		Print
DEK		Consecutive horizontal
DEK		Consecutive vertical
ZS 10		Blank
ZS 10		Printed

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

ZBW
Actuating tools



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.

ZST
Bus Support



10/61/27,5

Type	Cat. No.	Qty.
ZST	167868	50

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.

ZQB 2.5
Cross-connection bridge

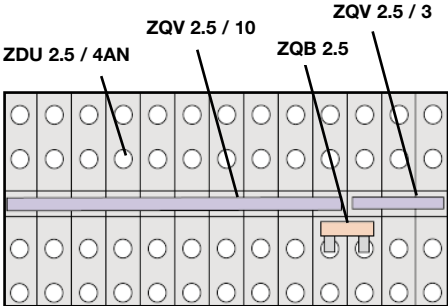


2,5/8,6/23		
500V/24A		
Type	Cat. No.	Qty.
ZQB	167712	50

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



SFEH

Pin header



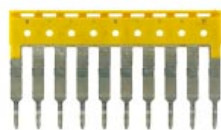
ZDUS

Screening connection
terminal block



ZQV 2.5/50

Cross-connection



4,8/83,5/33,5

125 V

Type	Cat. No.	Qty.
SFEH 0.8x1.6/3	168483	20
SFEH 0.8x1.6/2	168482	20
SFEH 1x1 / 3	168481	20
SFEH 1x1 / 2	168480	20
SFEH 0.8x2.4/3	168485	20
SFEH 0.8x2.4/2	168484	20

The pin headers SFEH 2- and 3 poles are developed for Termi-Point® and Wire-wrap® connections within the ZDU 2.5 variants. The rated voltage of the pin headers is 125 V. Max. 3 connections can be connected to each pin. The pin headers are placed in the clamping unit with the tools ZBW 2 (2 poles), or ZBW 3 (3 poles).

Type	Cat. No.	Qty.
ZDUS	167664	50

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

Type	Cat. No.	Qty.
ZQV 2.5/50	169754	20
ZQV 2.5N/50	169389	5

Made-to-measure cross-connections

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

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

Initiator terminals/Actuator terminals

ZIK•ZAK - System advantages

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

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

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

Modular distributor Systems

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

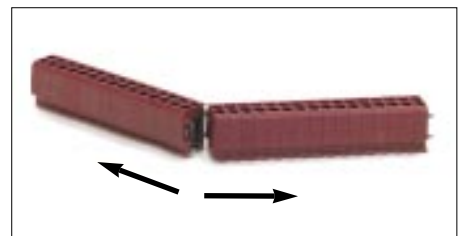
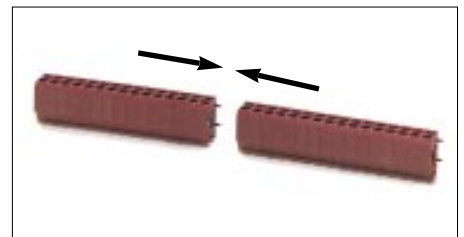
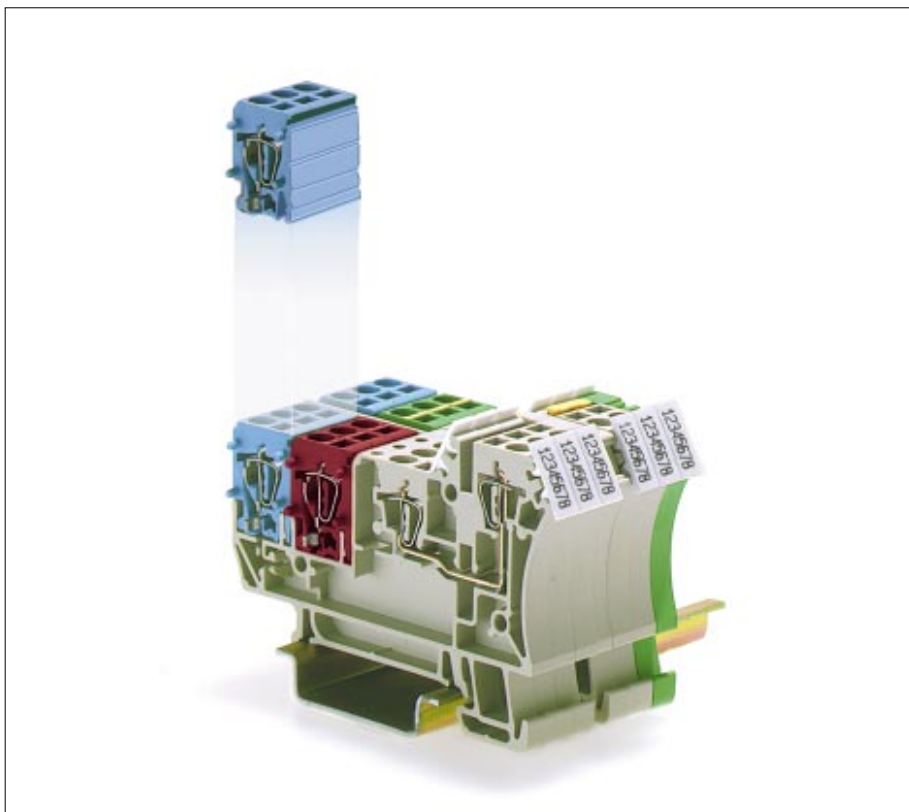
Marking systems

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

Modular distribution strip

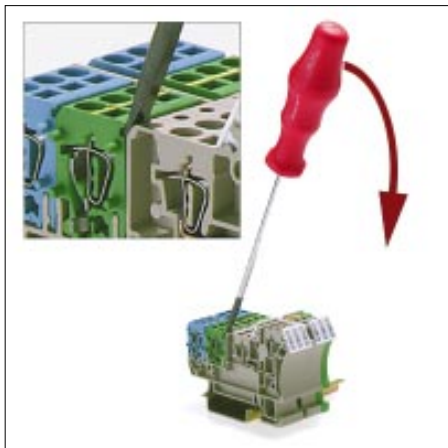
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

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



Easy to modify

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



Connection of initiators

No further terminal variations are required for power supply since this ensues simply by adding additional base elements that have built-in cross-connection.

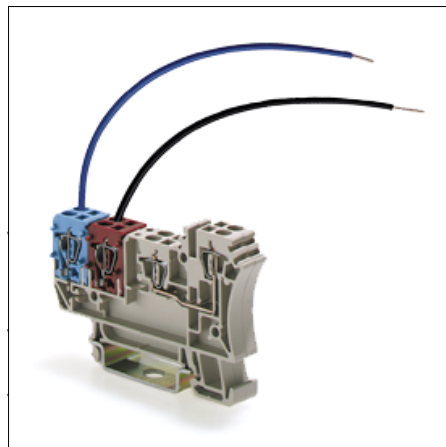
An example:

If you wanted to connect 9 initiators, you would simply need 10 3-way or 4-way base elements, 10 brown ZVL 1.5 BR distributor elements and 10 blue ZVL 1.5 BL (-) distributor elements. The extra element is the feed. The number of distributor elements is therefore $n + 1$, where **n** is the number of initiator / actuators being connected.

Connection of actuators

Ground (PE) can be connected with a PE element or using a standard PE terminal (such as the ZPE 22.5). The PE base element has the proven PE foot from the ZPE 2.5 and contacts automatically with the ZVL 1.5 PE distributor strip when mounted.

The contact takes place between the female contact of the first distributor element and the male contact in the PE foot of the PE base element.

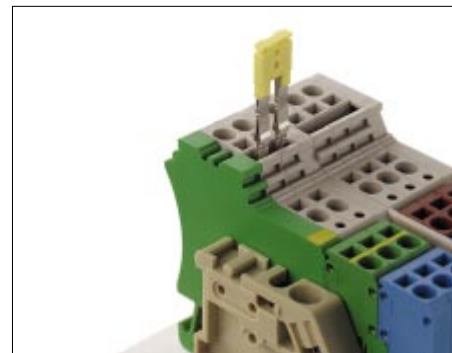


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The $n+1$ rule for the number of distributor elements also applies here. In other words, just 1 PE element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



Pluggable cross-connection system

If you do need to cross-connect a signal line you can use the familiar ZQV/2.5 from Z-Series.



Not much space required

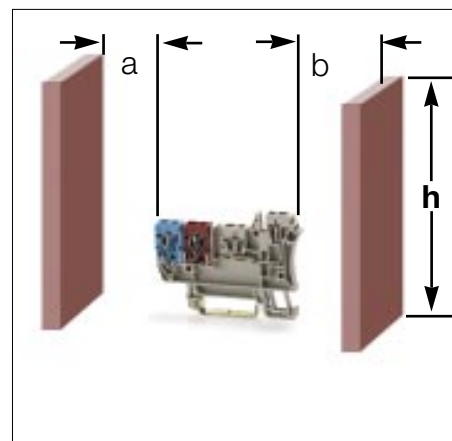
The TOP-connection also ensures easy access and easy-to-locate wiring. Wiring up the connector is easier and more reliable since wiring errors are quickly recognised. The strain on the wiring is lower with a TOP-connection. The combination with tension clamp technology improves user-friendliness.

A welcome feature of this type of connector is the ability to use extremely narrow ducting and narrow flat enclosures.

Distance to body of terminal:

$a = 6 \text{ mm}$

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



ZIK•ZAK - Configuration examples

3-way Initiator

3-way Actuator

3-way Initiator with PE



Type **Cat. No.** **Qty.**
Terminal base 3-way
ZIA 1.5/3 L-1 S **165198** 100



alternatively



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



alternatively



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



alternatively



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



alternatively



alternatively



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

as required



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

as required



as required



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



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



Distribution strip
ZVL 1.5 BR **165037** 100



Distribution strip
ZVL 1.5 BL **165036** 100



Distribution strip
ZVL 1.5 PE **165197** 100



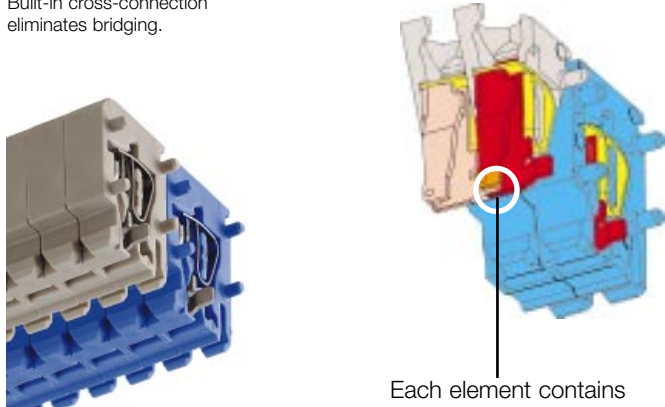
ZIK•ZAK configuration



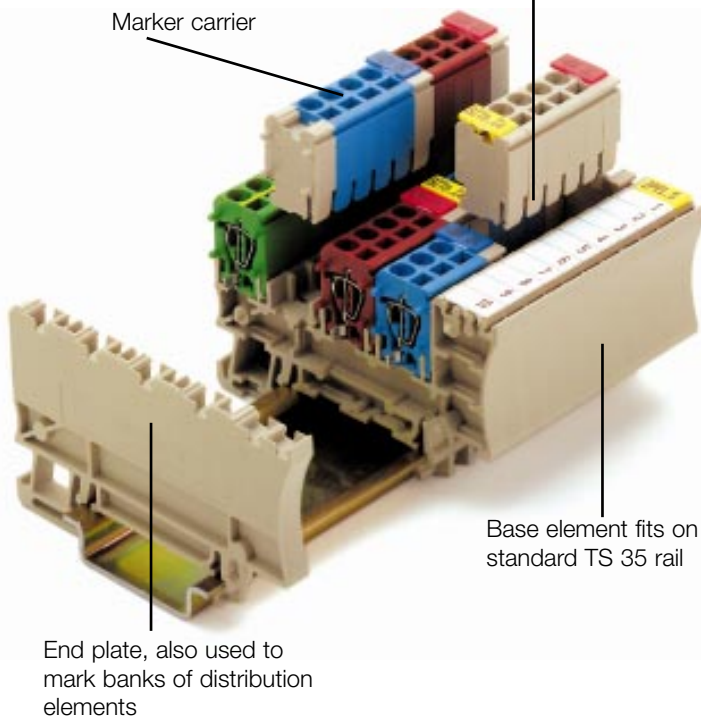
ZPV 1.5 – potential distribution

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

Built-in cross-connection eliminates bridging.



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

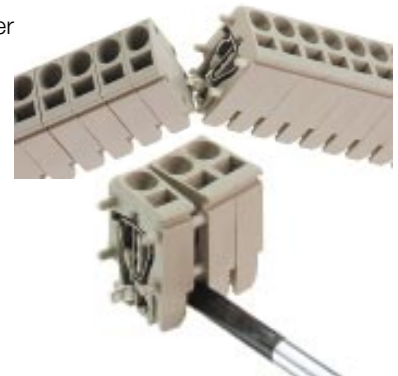


End plate, also used to mark banks of distribution elements

Base element fits on standard TS 35 rail

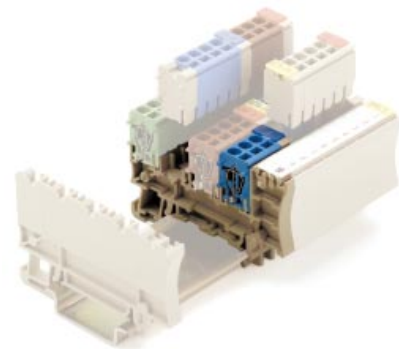
Easy to put together - and split apart

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



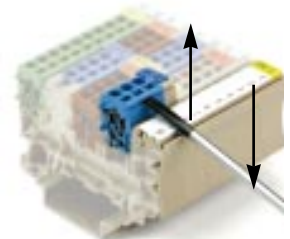
Familiar installation

The ZPV 1.5 base elements (also supplied in strips of 20) snap easily onto a regular TS 35 rail. Each base element can take 4 parallel distributor elements. Like the entire ZIK-ZAK series, the elements simply snap onto the ZPV 1.5. The individual rows of distributor elements are electrically separate from each other. To separate within a row of distributor elements we recommend our BZT 1.5 marker plates.



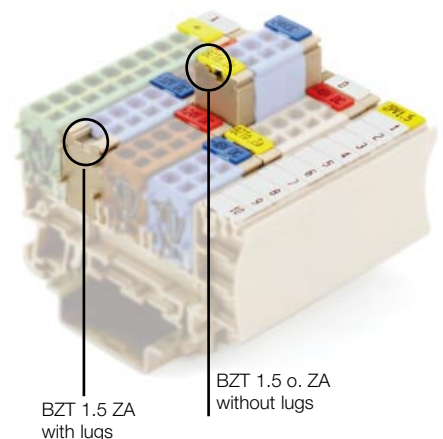
Flexible assembly

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



Pure identification

And once you've decided on the layout of your block you'll discover that marking is just as easy. Matrix-like marking provides easy recognition. The BZT 1.5 ZA is a marker with lugs to link to the next distributor element. The BZT 1.5 o. ZA, on the other hand, has no lugs for individual mounting / dismantling of sections of the distribution row. Both markers are effective electrical separators.



BZT 1.5 ZA with lugs

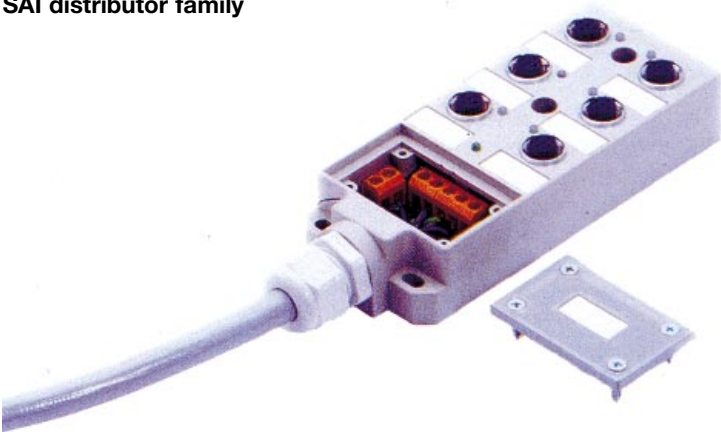
BZT 1.5 o. ZA without lugs

ZVL 1.5

SD 0.6x3.5x100 **902423** 1

2/67

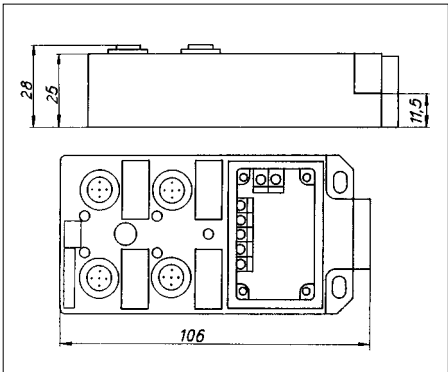
SAI distributor family



SAI-K

Screw connection
for bus line

Dimensions and catalogue numbers

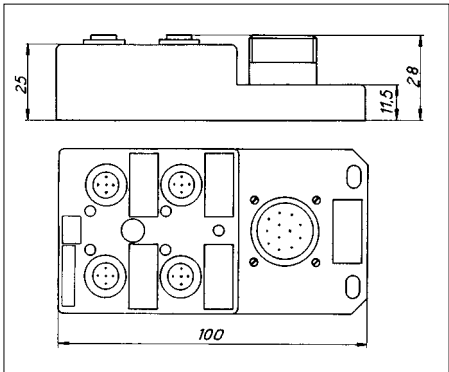


Type	Cat. No.
SAI-4-K	945603

SAI-S

12-pole plug connector
for bus line

Dimensions and catalogue numbers



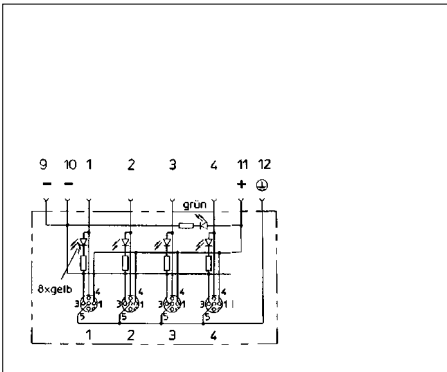
Type	Cat. No.
SAI-4-S	945600

SAI module family

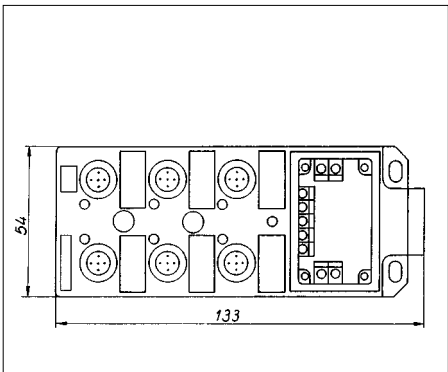
The SAI module joins sensor/actuator cables in the simplest and most rational method. The almost standardised circular connectors allow components to be installed by simply plugging them together. If an initiator fails, a replacement can therefore be easily installed due to easy access. This can be performed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

The clearly visible, standard status displays are another advantage. The SAI module is also available with screw connections. Downtimes are thus reduced to a minimum and costs are kept low.

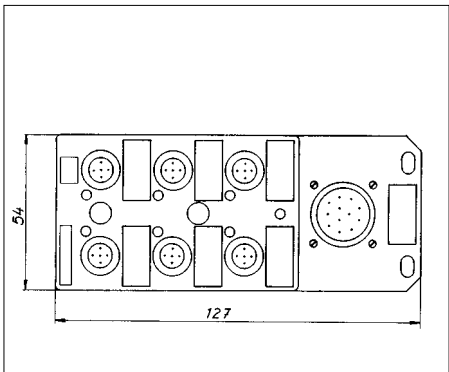
Pin layout



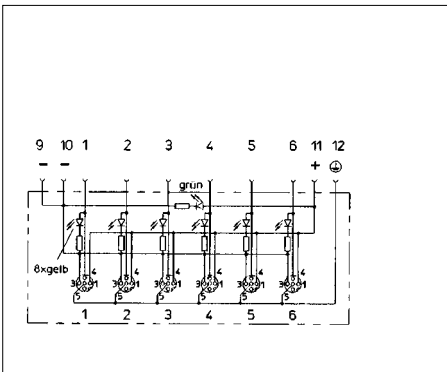
SAI-4...



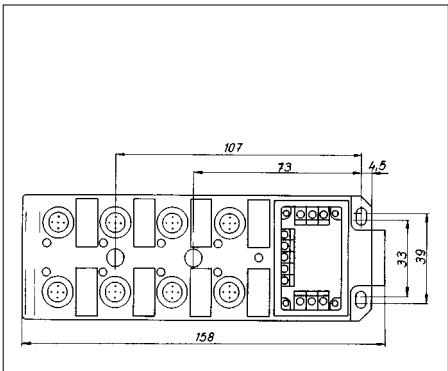
Type	Cat. No.
SAI-6-K	945604



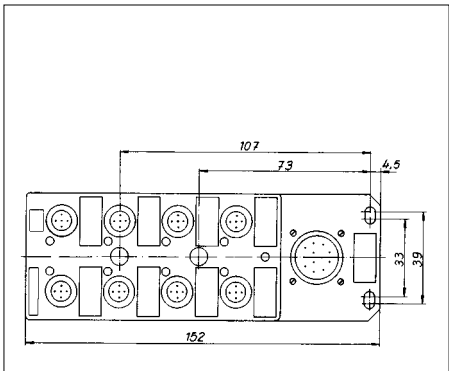
Type	Cat. No.
SAI-6-S	945601



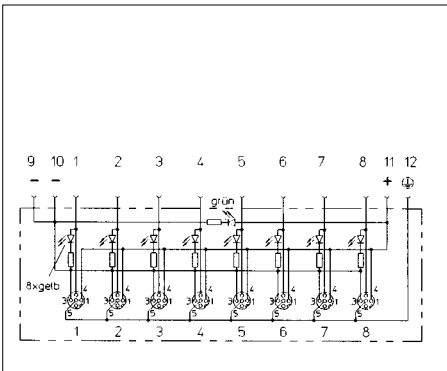
SAI-6...



Type	Cat. No.
SAI-8-K	945606



Type	Cat. No.
SAI-8-S	945602



SAI-8...



Technical data	
Protection class	IP67 DIN 40050 (plugged and screwed)
Material	PBT not strengthened
Housing	V0 according to UL 94
Temperature range	- 20 to + 55 °C
Contact pins/sockets	CuZn, gal. NiAu
Plug cycles	50 times
Withdraw strength per contact	≥ 0.4 N
Nominal voltage	10 - 30 V DC
Nominal current	2 A / 8 A total
LEDs	Green = operation display Yellow = function display

Designation	Cat. No.	Qty.
SAIS-5/7 (straight)	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		

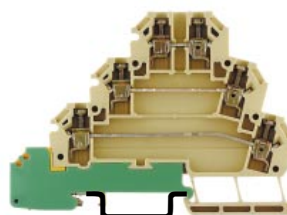
Standard connection cables for sensors

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.

MAK 2.5

6/88/64
8 mm/M 2.5/3.5 x 0.6

400 V (L-L)/250 V (L-PE)

6 kV/3

$$\frac{0,4 \dots 0,7}{1}$$

0,5...4,0
0,5...4,0
1,5...2,5
0,5...2,5
0,5...2,5
A3
24 A/2,5 mm ²

24

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

	Cat. No.	Qty
	161527	50

Type	Cat. No.	Qty
AP MAK2.5	161528	20
TEAP 2 MAK2.5	163333	20

VQB1.5/50BL*	163328	5
VQB1.5/50RT*	163329	5
VQB1.5/50SW*	163512	5



QB 25-pole, external cross-connection

T 5	034850	100
SF 10	033240	1000
SG 10	033250	1000

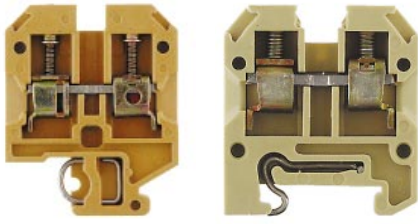
FW 5	047346	—
FS 5	047356	—

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

* When using cross-connection bridges, the connection cross-section is reduced by one level

System advantages

SAK/AKZ series



Stripping length

The required stripping length for all Weidmüller products is specified in mm. These lengths must be observed so that the creepage and clearance paths are not reduced due to improper connection.

Mounting

Mounting is carried out on TS 32 mounting rails according to EN 50 035 or TS 15 according to EN 50 045.

End plate

The last terminal of a mounted terminal row must be closed with an end plate. The end plate is held in place by the end bracket.

Partition

Depending on the operating voltage, a partition must be placed between neighbouring cross-connection groups. This is necessary to maintain the necessary creepage and clearance paths.

Small partition

After assembly, small partitions can be inserted between cross-connections or sockets for terminal blocks with a max. width of 12 mm.

Cover plates

Several VDE regulations require that the supply connection terminals are labelled. For this purpose, Weidmüller provides a range of cover plates printed with a warning arrow and the international danger symbol. A warning arrow is printed on the reverse side with the words Danger Voltage. The cover plates are attached to the terminals blocks with plastic screws. The cover plates are designed to cover 3 or 4-pole terminal blocks.

Cross-connections

Cross-connection systems from the SAK and AKZ series, type Q, QL or VL or other freely accessible live components, must be protected with appropriate covers ADP 1 to 4 or TSK 31.5 as long as they are to be inserted safe from contact.

Frequently, several terminals blocks must be electrically interconnected in order to create supply pick-offs. Because the terminal point usually needs to remain free for the conductor connection, a cross-connection bridge is placed in the middle. For adjacent cross-connections with varying potentials, partitions, end plates or small partitions must be inserted to maintain the nominal voltage. Cross-connection bridges can normally carry half of the rated terminal block current.

Weidmüller distinguishes between the following cross-connection units:

- type Q pre-assembled cross-connections
- type QL permanent cross-connections
- type VL removeable cross-connection straps
- type QS removeable cross-connection plugs

Sockets

In place of cross-connections, sockets can be attached to accept test or short-circuit plugs.

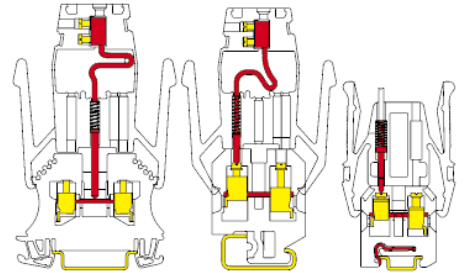
Test plugs

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

Designation

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

Test adapters



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

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

Naturally, customary **sockets** can also be used whose test pick-off is performed by spring-loaded **test plugs**. This option applies even when cross-connections are fitted.

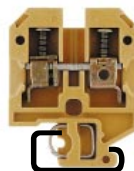
Feed-through terminals

(See page 3/14 for test adapter systems)

DK 4 QV*



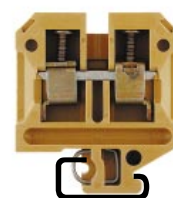
SAK 6 N



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

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

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

1,5...10
2,5...16
1,5...16
1,5...10
B 6

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

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

35 A/4 mm²
20
20

41

57

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.

Cat. No. Qty.

Cat. No. Qty.

Cat. No. Qty.

KrG

019322 100

019322 100

011002²⁾ 100

027102 50

Blue KrG

019323 100

011007 100

027103 50

KrS

059026¹⁾ 100

019326¹⁾ 100

011003 100

027106¹⁾ 50

PA

059028¹⁾ 100

019328¹⁾ 100

011006¹⁾ 100

027108¹⁾ 50

Blue PA

011008¹⁾ 100

Orange PA

Terminal block with Bez.

032276¹⁾ 10

035326¹⁾ 10

Terminal block without Bez.

030896¹⁾ 10

035316¹⁾ 10

End plate (thickness mm)

KrG
Blue KrG
KrS
PA
Blue PA

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

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

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)

TW WTW KrG
Blue KrG
KrS
PA
Blue PA
Small partition TSch 6

Type Cat. No. Qty.
WTW (Ex) **105880** 20
TW (2,0) **060700** 20
TSch 6 **019026** 100

Type Cat. No. Qty.
TW (1,5) **013012** 20
TW (1,5) **013013** 20
TW (1,5) **013016** 20
TW (1,5) **013018** 20
TW (1,5) **019710** 20
TSch 1 **031916** 100

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 **031916** 100

Type Cat. No. Qty.
TW (3,0) **028112** 20
TW (3,0) **028113** 20
TW (1,5) **030366** 10
TW (1,5) **030368** 10
TW (2,0) **060700** 20
TSch 1 **031916** 100

Cross-connection

2-pole
 3-pole
 4-pole
 10-pole
Q 4 QB 4

Q 2 **033640** 50
Q 3 **033650** 50
Q 4 **033660** 50
Q 10 **036860** 20
QB 2 **048270**** 100
QB 3 **048280**** 50
QB 4 **048290**** 50

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

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

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

Cover

AD 4 **030340** 50
BSK M 2,5 x 18 **030330** 100

AD 4 **019660** 50
BSK M 3 x 22 **012890** 100

AD 4 **017860** 50
BSK M 3 x 22 **012890** 100

AD 4 **051820** 50
BSK M 3 x 22 **012890** 100

Switchable cross-connection link

VL 2 BS VH

VL 2 **044670** 50
VH **105650** 100
BS **034310** 100

VL 2 **019470** 50
VH **028510** 50
BS **029250** 100

VL 2 **013590** 50
VH **028510** 50
BS **029250** 100

VL 2 **013580** 50
VH **028510** 50
BS **029250** 100

Marking tags

1 2 3 4 5 6 Consecutive horizontal
Consecutive vertical

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

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

FW 5 **047346** -
FS 5 **047356** -

FW 5 **047346** -
FS 5 **047356** -

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

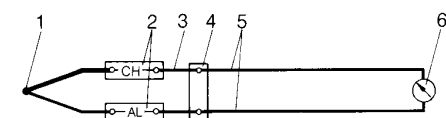
^{*)} Accepts LS 2.8 shield lugs Cat. No. 105640

^{**)} Max. 2.5 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

Busbars made from thermocouple material according to DIN IEC 584

I. Configuration of a temperature measuring circuit



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

II. Symbols

Thermocouples according to IEC 584
DIN 43710

Terminal designation	Busbar material trade name
1	Aluminum
2	Aluminum
3	Aluminum
4	Aluminum
5	Aluminum
6	Aluminum
7	Aluminum
8	Aluminum
9	Aluminum
10	Aluminum
11	Aluminum
12	Aluminum
13	Aluminum
14	Aluminum
15	Aluminum
16	Aluminum
17	Aluminum
18	Aluminum
19	Aluminum
20	Aluminum
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82	Aluminum
83	Aluminum
84	Aluminum
85	Aluminum
86	Aluminum
87	Aluminum
88	Aluminum
89	Aluminum
90	Aluminum
91	Aluminum
92	Aluminum
93	Aluminum
94	Aluminum
95	Aluminum
96	Aluminum
97	Aluminum
98	Aluminum
99	Aluminum
100	Aluminum

a) (Type J)

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

b)(Type T)

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

c) (Type K)

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

d) (Type E)

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

Dimensions

Width / length / height (mm) with TS 32 

Insulation stripping length/clamping screw/screwdriver blade

Technical data/VDE

Nominal voltage/nominal current
nominal cross-section

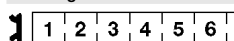
Ordering data

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

End plate (thickness mm)

**Partition** (thickness mm)

Marking material



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

SAK 2.5 TC

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

DK 4 TC



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

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

[illegible]

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

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

TW (1,5)	030286	20
----------	---------------	----

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

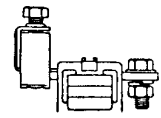
FW 6	046866	-
FS 6	046876	-

FW 6	046866	—
FS 6	046876	—

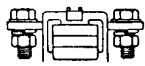
The Weidmüller SAKG range offers the following connection variants:

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

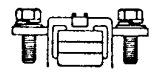
Versions



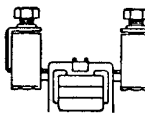
Version I



Version II
without thread



Version II
with thread

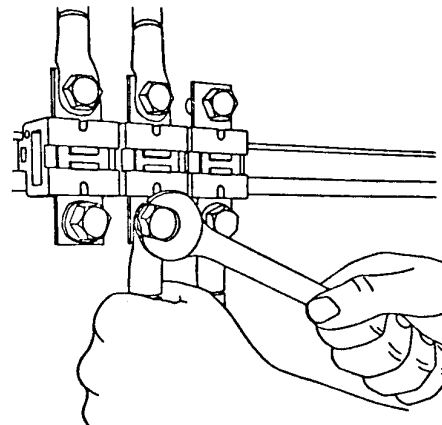


Version III

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

Fitting instructions for SAKG terminals

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



Cover

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

Dimensions

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

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

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

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2...5-pole A
Continuous current rating of cross-connection 6...10-pole A

UL / CSA rated data

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

Ordering data

Type KrG

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

1000 V*/125 A/35 mm²
8 kV/3

3...6

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

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

Type Cat. No. Qty.
017002 10

28/70/53
-/M 6/-

1000 V*/125 A/35 mm²
8 kV/3

3...6

(QL 2) 110

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

Type Cat. No. Qty.
017032 10

End plate, Hard paper (thickness mm)



Tropic-proof

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

Partition, Hard paper (thickness mm)



Tropic-proof

TW 1 (2) 015140 10
TW 1 016460 10

Cross-connection



2-pole
3-pole
4-pole

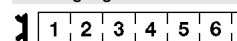
QL 2 019390 5
QL 3 040760 5
QL 4 040770 5

Cover



AH 28 032666 5

Marking tags



Print

Consecutive horizontal
Consecutive vertical

FW 5 047346 -
FS 5 047356 -

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

* During conductor connection, observe clearance and creepage distances. Insert partitions if necessary
See Page 1/9 for a table of clearance and creepage distances.

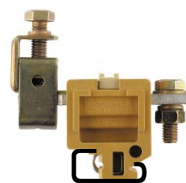
Feed-through terminals

SAKG 28 II G

SAKG 28 III

SAKG 32 I

SAKG 32 II



Dimensions

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

28/70/53	28/70/63,5	32/87/84	32/80/53
~ / M 6 / -	15 mm / M 6 / -	26 mm / M 8 / -	~ / M 8 / -

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

Rated voltage / current / cross-section	1000 V*/125 A/35 mm ²	1000 V*/125 A/35 mm ²	1000 V*/150 A/50 mm ²	1000 V*/150 A/50 mm ²
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3

Further technical data

Tightening torque range	Nm	3...6	3...6	6...12	6...12
-------------------------	----	-------	-------	--------	--------

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U	mm ²		6...35	10...70	
stranded H07V-R	mm ²		6...35	10...70	
flexible H07V-K	mm ²		10...35	10...70	
flexible H07V-K and AEH DIN 46 228/1	mm ²		6...35	10...35	
Plug gauge according to 947-1	Size		B 9	B 11	
Continuous current of terminal block for conductor size				170 A/70 mm ²	168 A/70 mm ²
Continuous current rating of cross-connection 2...5-pole	A	(QL 2) 110		(QL 2) 170	
Continuous current rating of cross-connection 6...10-pole	A				

UL / CSA rated data

Voltage / current / conductor size	UL	600 V/95 A/2 AWG	600 V/165 A/3 AWG	600 V/200 A/3 AWG
Voltage / current / conductor size	CSA	600 V/110 A/6...1 AWG	600 V/170 A/1...2/0 AWG	600 V/170 A/1...2/0 AWG

Ordering data

Version
KrG
Two clamping yokes KrG

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	018502	10		017082	10		028662	10		017042	10

End plate, Hard paper (thickness mm)



Tropic-proof

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
EP 1 (2)	020510	10	EP 1 (2)	020510	10	EP 1 (2)	020530	10	EP 1 (2)	020510	10
EP 1 (2)	020520	10	EP 1 (2)	020520	10	EP 1 (2)	020540	10	EP 1 (2)	020520	10

Partition, Hard paper (thickness mm)



Tropic-proof

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

Cross-connection



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

Cover



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

Print

	1	2	3	4	5	6	Consecutive horizontal	FW 5	047346	-	FW 5	047346	-	FW 5	047346	-	FW 5	047346	-
							Consecutive vertical	FS 5	047356	-	FS 5	047356	-	FS 5	047356	-	FS 5	047356	-

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

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

SAKG 32 II G

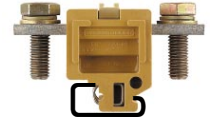
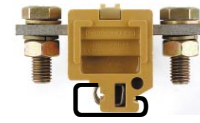
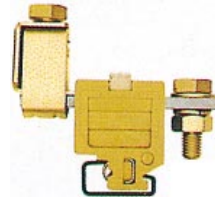
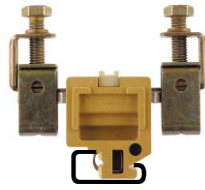
SAKG 32 III

SAKG 70 II G

SAKG 40 I

SAKG 40 II

SAKG 40 II G



32/80/53
-/M 8/-

1000 V*/150 A/50 mm²
8 kV/3
6...12

168 A/70 mm²

600 V/170 A/1...2/0 AWG

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

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

Type	Cat. No.	Qty.
QL 2	019400	5
QL 3	044150	5
QL 4	044160	5

Type	Cat. No.	Qty.
AH 32	032676	5

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

32/94/84
26 mm/M 8/-

1000 V*/150 A/50 mm²
8 kV/3
6...12

10...70
10...70
10...70
10...35
B 11

192 A/70 mm²

600 V/165 A/3 AWG
600 V/185 A/1...2/0 AWG

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

Type	Cat. No.	Qty.
QL 2	019400	10
QL 3	044150	10
QL 4	044160	10

Type	Cat. No.	Qty.
AH 32	032676	5

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

32/84/54
-/M 8/-

1000 V*/192 A/70 mm²
8 kV/3
6...12

220 A/70 mm²
(QL 2) 170

600 V/200 A/2/0...4/0 AWG

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

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

Type	Cat. No.	Qty.
QL 2	019400	10
QL 3	044150	10
QL 4	044160	10

Type	Cat. No.	Qty.
AH 32/AH 70	032676	5

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

40/95/84
27 mm/M 10/-

1000 V*/232 A/95 mm²
8 kV/3

10...95
10...35
10...95
10...35
B 12

250 A/95 mm²
(QL 2) 250

600 V/195 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG

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

Type	Cat. No.	Qty.
QL 2	019410	10
QL 3	026350	10
QL 4	040980	10

Type	Cat. No.	Qty.
AH 40	032686	5

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

40/90/53
-/M 10/-

1000 V*/232 A/95 mm²
8 kV/3
10...20

250 A/95 mm²
(QL 2) 250

600 V/230 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG

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

Type	Cat. No.	Qty.
QL 2	019410	10
QL 3	026350	10
QL 4	040980	10

Type	Cat. No.	Qty.
AH 40	032686	5

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

40/90/55
-/M 10/-

1000 V*/232 A/95 mm²
8 kV/3
10...20

250 A/95 mm²
(QL 2) 250

600 V/230 A/4/0 AWG
600 V/250 A/2/0...4/0 AWG

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

Type	Cat. No.	Qty.
QL 2	019410	10
QL 3	026350	10
QL 4	040980	10

Type	Cat. No.	Qty.
AH 40	032686	5

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

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

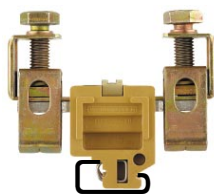
Feed-through terminals

SAKG 40 III

SAKG 46 II

SAKG 46 II G

SAKG 54 II



Dimensions

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

40/100/84	46/106/55	46/106/57,5	54/122/57
27 mm/M 10/-	-/M 12/-	-/M 12/-	-/M 16/-

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

Rated voltage / current / cross-section	1000 V*/232 A/95 mm ²	1000 V*/309 A/150 mm ²	1000 V*/309 A/150 mm ²	1000 V*/415 A/240 mm ²
Rated impulse voltage / pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3

Further technical data

Tightening torque range	Nm	10...20	14...31	14...31	25...60
Torque setting with DMS 2 electric screwdriver					

Clampable conductor

solid H07V-U	mm ²	10...95			
stranded H07V-R	mm ²	10...95			
flexible H07V-K	mm ²	10...95			
flexible H07V-K and AEH DIN 46 228/1	mm ²	10...35			
Plug gauge according to 947-1	Size	B 12			
Continuous current of terminal block for conductor size		265 A/95 mm ²	415 A/150 mm ²	415 A/150 mm ²	600 A/240 mm ²
Continuous current rating of cross-connection 2...5-pole	A			(QL 2) 415	(QL 2) 600
Continuous current rating of cross-connection 6...10-pole	A				

UL / CSA rated data

Voltage / current / conductor size	UL	600 V/195 A/4/0 AWG	600 V/285 A/4/0 AWG	600 V/285 A/4/0 AWG	600 V/380 A/500 MCM
Voltage / current / conductor size	CSA	600 V/230 A/2/0...4/0 AWG	600 V/365 A/300 MCM	600 V/365 A/300 MCM	600 V/600 A/300...500 MCM

Ordering data

Version		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.		Cat. No.	Qty.
KrG		028692	10		017062	10		018532	10		017072	10
Two clamping yokes KrG												

End plate, Hard paper (thickness mm)



Tropic-proof

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
EP 2 (2)	020530	10	EP 2 (2)	020530	10	EP 2 (2)	020530	10	EP 2 (2)	020530	10
EP 2 (2)	020540	10	EP 2 (2)	020540	10	EP 2 (2)	020540	10	EP 2 (2)	020540	10

Partition, Hard paper (thickness mm)



Tropic-proof

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

Cross-connection



2-pole
3-pole
4-pole

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
QL 2	024700	5	QL 2	024700	5	QL 2	024700	5	QL 2	026440	5
QL 3	044440	5	QL 3	044440	5	QL 3	044440	5	QL 3	040800	5
QL 4	044450	5	QL 4	044450	5	QL 4	044450	5	QL 4	024740	5

Cover



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

Print

	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>						1	2	3	4	5	6	Consecutive horizontal	FW 5	047346	–	FW 5	047346	–	FW 5	047346	–	FW 5	047346
	1	2	3	4	5	6																		
						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

-/M 16/-

46/112/74

23 mm/M 12/M 14/-

1000 V*/415 A/240 mm²

8 kV/3

1000 V*/309 A/150 mm²

8 kV/3

25...60

14...31/25...40

600 A/240 mm²

(QL 2) 600

600 V/380 A/500 MCM

600 V/600 A/300...500 MCM



Cat. No. Qty.

018542 10



Cat. No. Qty.

128792** 5

128802*** 5

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 2 (2)

017710 10

TW 2 (2)

017990 10

TW 2 (2)

017710 10

TW 2 (2)

017990 10

QL 2

026440 5

QL 3

040800 5

QL 4

024740 5

QL 2

019400 5

QL 3

044150 5

QL 4

044160 5

AH 46

032696 5

FW 5

047346 -

FS 5

047356 -

FW 5

047346 -

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

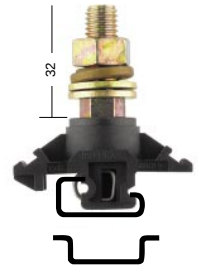
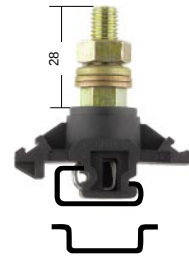
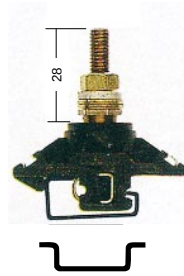
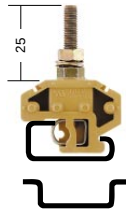
Stud terminals

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	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
Plug gauge according to 947-1	Size
Continuous current of terminal block for conductor size	
Continuous current rating of cross-connection 2...5-pole	A
Continuous current rating of cross-connection 6...10-pole	A

UL / CSA rated data

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

Ordering data

Version	
KrG	
PA GF	
PA	
PPO	
KrG	
for TS 35 x 7.5	PA
for TS 35 x 15/ 2.3	PA

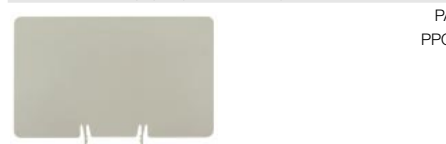
18/40/62
18/49,5/54,5
-/M 6/-
400 V ¹ /76 A/16 mm ²
6 kV/3

36/60/68
36,5/60/68
-/M 8/-
1000 V ¹ /125 A/35 mm ²
6...12

36/60/68
36,5/60/68
-/M 10/-
1000 V ¹ /192 A/70 mm ²
10...20

36/60/72
36,5/60/72
-/M 12/-
1000 V ¹ /232 A/95 mm ²
14...31

End plate, Hard paper (thickness mm)



Type	Cat. No.	Qty.
PA		
PPO		

Type	Cat. No.	Qty.
AP/TW (2)	133320	10

Type	Cat. No.	Qty.
AP/TW (2)	133320	10

Type	Cat. No.	Qty.
AP/TW (2)	133320	10

Partition, Hard paper (thickness mm)



TW HGW (2)	060710	20
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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 HGW

TW

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	134600	5
------	--------	---

Cover



Marking tags

Print	
Consecutive horizontal	FW 5
Consecutive vertical	FS 5

FW 5	047346	-
FS 5	047356	-

FW 5	047346	-
FS 5	047356	-

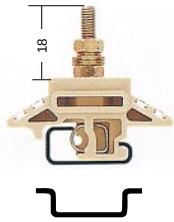
FW 5	047346	-
FS 5	047356	-

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

* Dependent on cable lug

*) with partition

KST 5



24/60/59,5
24/62,5/54
-/M 5/-
1000 V ¹⁾ /57 A/10 mm ²
8 kV/3
2...4

65 A/10 mm²

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

Qty. Qty.

950337 25

950823 25
952830 25

Type Cat. No. Qty.

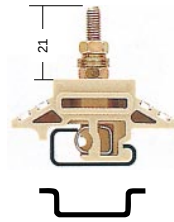
TW/KST (2) 950139 10

QL 2 950339 1

FW 5 047346 -
FS 5 047356 -

) with partition

KST 6



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

82 A/16 mm²
200

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

Qty. Qty.

950131 25

950694 25
952831 25

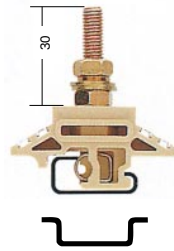
Type Cat. No. Qty.

TW/KST (2) 950139 10

QL 2 950135 5

FW 5 047346 -
FS 5 047356 -

KST 8



24/60/69,5
24/62,5/54
-/M 8/-
1000 V ¹⁾ /125 A/35 mm ²
8 kV/3
6...12

135 A/35 mm²
200

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

Qty. Qty.

950132 25

950695 25
952832 25

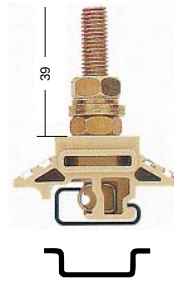
Type Cat. No. Qty.

TW KST (2) 950139 10

QL 2 950136 1

FW 5 047346 -
FS 5 047356 -

KST 10



34/60/79,5
34/62,5/74
-/M 10/-
1000 V ¹⁾ /192 A/70 mm ²
8 kV/3
10...20

207 A/70 mm²
200

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

Qty. Qty.

950133 20

950696 20
952833 20

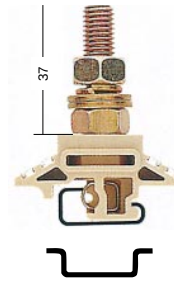
Type Cat. No. Qty.

TW KST (2) 950139 10

QL 2 950137 1

FW 5 047346 -
FS 5 047356 -

KST 12



34/60/79,5
34/62,5/74
-/M 12/-
1000 V ¹⁾ /232 A/95 mm ²
8 kV/3
14...31

250 A/95 mm²
200

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

Qty. Qty.

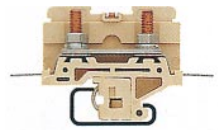
950134 20

950697 20
952834 20

Type Cat. No. Qty.

TW KST (2) 950139 10

QL 2 950138 1

FW 5 047346 -
FS 5 047356 -ST 5
without
solder
connectionSTSL 5
with
solder
connection³⁾

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

85 A/16 mm²

600 V/65 A/12...10 AWG

Qty. Qty.

ST 5 STSL 5

044836 1 046286 1
044834 1 046284 1

Type Cat. No. Qty.

AP (1,5) 044724 1

TW (1,5) 047766 1
TW (1,5) 047764 1

QL 2 383430 1

044770 1

FW 6 046866 -
FS 6 046876 -²⁾ Width with soldering tag 76.5 mm
³⁾ Soldering connection 2.5 mm² (illustrated)

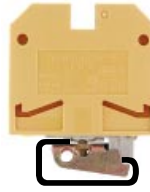
PE terminals

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



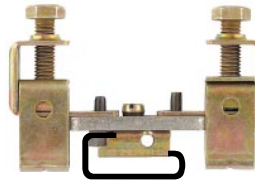
EK 2



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

 Cat. No. Qty.
035476 20

Type Cat. No. Qty.
SH 2 **049492** 10

FW 5 **047346** -
FS 5 **047356** -

10/52/38
14 mm/M 5/-

-/-/10

1,2...2,4/2,0...4,0*

1,5...10

1,5...10

1,5...10

1,5...10

16...8

B 6

 Cat. No. Qty.
032310 20

Type Cat. No. Qty.

FW 5 **047346** -
FS 5 **047356** -

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

-/-/35 mm²

2,5...5,0/2,0...4,0*

6...35

6...35

6...16

10...35

8...2

B 8

 Cat. No. Qty.
014440 20

one clamping yoke

Type Cat. No. Qty.
SH 2 **049492** 10

FW 5 **047346** -
FS 5 **047356** -

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

-/-/70 mm²

6,0...12/2,0...4,0*

10...70**

10...70

10...70

10...70

6...0

B 10

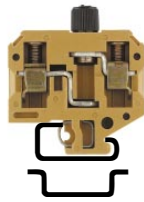
 Cat. No. Qty.
021320 20

Type Cat. No. Qty.
SH 2 **049492** 10

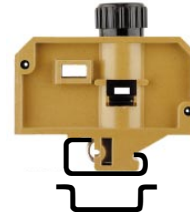
FW 5 **047346** -
FS 5 **047356** -

Fuse terminals

SAKS 3 SAKS 3/35



SAKS 4 SAKS 4/35



SAKS 5 SAKS 5/35



Dimensions

Width / length / height (mm)	with TS 32
Width / length / height (mm)	with TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	12 mm/M 4/5,5 x 1

Rated data terminal base

Rated voltage / current / cross-section	500 V AC/10 A/10 mm 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	

024892³⁾	20	066752³⁾	20
029752⁴⁾	20	032892⁴⁾	20

Wemid colours

End plate/partition (thickness mm)

Type	Cat. No.	Qty.
PA	AP (2.5)	019132
HP	for	
	TW (2.0)	060700

Cross-connections

QL 2	019140
QL 3	019150
QL 4	019160
QL 10	033880

Fixing screws
for Cross-connections

Fuse inserts

1 1/4" x 1/4"	Nominal current (A):	0.5 high-speed
according to DEF 63/size 0		1.0 high-speed
without indicator		2.0 high-speed
		3.0 high-speed
		5.0 high-speed
		7.0 high-speed
		10.0 high-speed

G fuse inserts 5 x 30 mm (500 V~/0.032...6.3 A).

Available from Wickmann-Werke GmbH,	2.0 fast
Annstr. 113, 5810 Witten 6, Tel. 02302/6620	4.0 fast
Brass insert	5.0 fast
	6.3 fast

D fuse inserts

Screw cap (spare)

Marking tags

Print	Consecutive horizontal
1 2 3 4 5 6	vertical Printed

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

24/75/73	28/80/80,5
24/75/66	28/80/66

14 mm/M 4/5,5 x 1	13 mm/M 4/5,5 x 1
400 V~/16 A/10 mm ²	400 V~/63 A***/16 mm ²
6 kV/3	6 kV/3

1,2...2,4	1,2...2,4
4	4
0,5...16	1,5...16
1,5...10	1,5...16
0,5...10	1,5...16
0,5...10	1,5...16
B 6	B 7
(QL 2...5) 47	(QL 2...5) 47
(QL 6...10) 36	(QL 6...10) 36

600 V/30 A/22...8 AWG	600 V/63 A/14...6 AWG

032132	20	050182	20
035942	20	050212	20

Neozed D 01

Type	Cat. No.	Qty.
TW HP (2,0)	060700*	20

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

Gauge piece

P 14/2	013800	50
P 14/4	013810	50
P 14/6	032860	50
P 14/10	032870	50
P 18/20	036180	50
P 18/25	036190	50
P 18/35	036200	50
P 18/50	036210	50

Rated voltage 380 V			Rated voltage 380 V		
E 14/2	013740	10	E 18/20	036130	10
E 14/4	013750	10	E 18/25	036140	10
E 14/6	032830	10	E 18/35	036150	10
E 14/10	032840	10	E 18/50	036160	10
E 14/16	032850	10	E 18/63	036170	10

SK	033941	20
SK	035931	20

FW 5	047346
FS 5	047356

FW 5	047346
FS 5	047356

SAKS 2 SAKS 2/35



28/80/81,5
28/80/75
12 mm/M 4/5,5 x 1
500 V~/10 (25) A**/10 mm ²
6 kV/3
1,2...2,4
4
0,5...16
0,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36

600 V/25 A/22...8 AWG			
	Qty.		Qty.
020682	20	136872	20
		136870	20
Diazed E 16			
Type		Cat. No.	Qty.
TW HP (2,0)		060700*	20

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

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

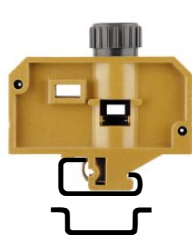
P 16/10	020890	100
P 16/16	020900	100
P 16/20	020910	100

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

SK	028411	20
----	---------------	----

FW 5	047346
FS 5	047356

SAKS 4 USA SAKS 4 Frankr.



24/75/73
24/75/66
14 mm/M 4/5,5 x 1
400 V~/30 A/10 mm ²
6 kV/3
1,2...2,4
4
0,5...16
1,5...10
0,5...10
0,5...10
B 6
(QL 2...5) 47
(QL 6...10) 36

600 V/30 A/20...8 AWG			
600 V/30 A/22...8 AWG			
	Qty.		Qty.
032142¹⁾	20	050202¹⁾	20
016222²⁾	20	017822²⁾	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

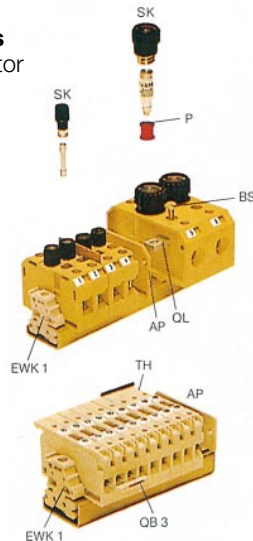
SS M 4	013640	100
BS M 4x9	010330	100

SK	034923	20
SK (with spring)	016173	20

FW 5	047346
FS 5	047356

¹⁾ French version
²⁾ USA version

Fuse terminals with fault indicator



Dimensions

Terminal width (+ 0.2 assembly tolerance)	mm
Insulation stripping length	mm

Connection data
Screw connection, solid
Screw connection, flexible
Conductor cross-section

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

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

24 V~
48 V~
60 V~
115 V~
230 V~
12 V~/24 V~
20-30 V~/40-60 V~
40-60 V~/80-120 V~
115 V~/230 V~

Accessories
Mounting rail

End bracket (thickness mm)	for TS 32 
	for TS 35 

End plate (thickness mm)

Cross-connection bridges
Type QB

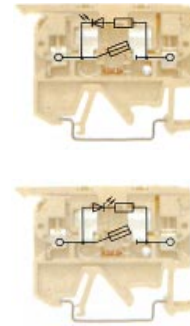
straight
angled

Fixing screw (fits QL)
Disconnect lever (spare)

TH (spare)

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

ASK 1 LD Fuse cartridge 5 x 20 only 805081



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

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

6,3 A
≤ 2 mA
≤ 2 mA

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

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

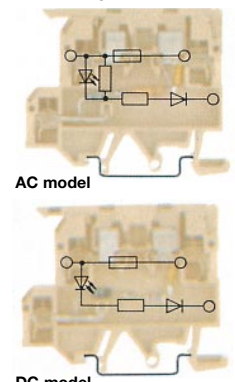
Mountable on
TS 32 und TS 35

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

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

TH (spare)	037706	100
------------	---------------	-----

KDKS 1 Fuse cartridge 5x20/5x25 only 805081



AC model

DC model

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

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

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

≤ 2 mA

4 mm ²		
Type	Cat. No.	Qty.
KDKS 1	814645	25
KDKS 1	814895	25
KDKS 1	814896	25
KDKS 1	814894	25

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

Mountable on
TS 32 und TS 35

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

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

Fuse cartridges and gauge rings for Weidmüller fuse terminals

Fuse inserts

for terminal type

SAKS 1
SAKS 7
ASK 1
WSI 6



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

SAKS 1
SAKS 7
WSI 6



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

SAKS 3²⁾
SAKS 6



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

SAKS 2



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

SAKS 4⁴⁾



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

SAKS 5



- Note:**
- ¹⁾ The SIBA company also supplies 5 x 25 G fuse inserts with indicators in a shipbuilding model for 450 V AC.
 - ²⁾ 5 x 30 (500 V~) fuse inserts for SAKS 3 are available from the WICKMANN company.
 - ³⁾ The LINDNER company also supplies Neozed fuse cartridges in an additional shipbuilding model for 440 V AC.
 - ⁴⁾ Fuse cartridges with the dimensions 1"x1/4" ≙ 25.4x6.35 mm and 13/32"x1 1/2" ≙ 10.3x38.1 mm are not included in product line.
 - ⁵⁾ Only for SAKS 1 and SAKS 7.

Gauge rings

for terminal type
SAKS 4 und 4/35



Gauge ring type	Amp.	Colour	Cat. No.	Qty.
P 14/2	2	Pink	013800	50
P 14/4	4	Brown	013810	50
P 14/6	6	Green	032860	50
P 14/10	10	Red	032870	50

SAKS 5 und 5/35



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

SAKS 2 und 2/35



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

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

Dimensions

Width / length / height (mm)

with TS 32

Insulation stripping length/clamping screw/screwdriver blade

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

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)

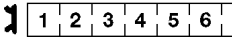
Without diode

With diode 1N4007

With diode 1N4007

Marking tags

Print



Consecutive horizontal
vertical Printed

See section 3 for mounting rails and end brackets

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.

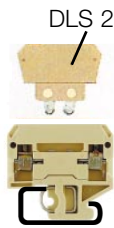
WK 029556 50

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 V ⁶⁾ /10 A/4 mm ² 6 kV/3	400 V/10 A/4 mm ² 6 kV/3	400V/10 A/4 mm ² 6 kV/3	400 V/10 A/4 mm ² 6 kV/3	500 V/19 A/4 mm ² 6 kV/3	
0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0/0,5 StB 2/1	0,5...1,0 2	
0,5...4 1,5...4 0,5...4 0,5...2,5 A 3	0,5...4 1,5...4 0,5...4 0,5...2,5 A 3	0,5...4 1,5...4 0,5...7 0,5...2,5 A 3	0,5...4 1,5...4 0,5...7 0,5...2,5 A 3	0,5...4 1,5...4 0,5...4 0,5...2,5 A 3	
(QB 2...25) 10	(QB 2...25) 10	(QB 2...4) 10	(QB 2...4) 10	(QB 2...4) 10	
300 V/10 A/26...12 AWG 300 V/10 A/26...12 AWG	300 V/10 A/26...12 AWG 300 V/10 A/22...12 AWG	300 V/10 A/22...12 AWG 300 V/10 A/26...12 AWG	300 V/10 A/22...12 AWG 300 V/10 A/26...12 AWG	300 V/15 A/12 max. AWG 300 V/6,3 A/26...12 AWG	
Cat. No. Qty. 041212 100 041216 100	Cat. No. Qty. 041296¹⁾ 100 041306²⁾ 50 026366³⁾ 50	Cat. No. Qty. 068736 50	Cat. No. Qty. 130486 50	Cat. No. Qty. 045636 100 010526 100	
041218 100 146196 100 041222 100 041226 100 041228 100	054646¹⁾ 100 041316²⁾ 50	032786 50			
Type Cat. No. Qty. AP (1,5) 021132 20 AP (1,5) 021136 20 AP (1,5) 021138 20	Type Cat. No. Qty. AP (1,5) 021136 20	Type Cat. No. Qty. AP (1,5) 068756 20	Type Cat. No. Qty. AP (1,5) 068756 20	Type Cat. No. Qty. AP (1,5) 038036 20	
TW HP (1,0) 029710 20	TW HP (1,0) 029710 20	TW HP (2,0) 060700 20	TW HP (2,0) 060700 20	TW HP (2,0) 060700 20	
QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50 QB 25 blank ⁴⁾ 013400 20	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50 QB 25 blank ⁴⁾ 013400 20	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50	QB 2 ⁴⁾ 048270 100 QB 3 ⁴⁾ 048280 50 QB 4 ⁴⁾ 048290 50	QB 2 ⁴⁾ 046110 100 QB 3 ⁴⁾ 046120 50 QB 4 ⁴⁾ 046130 50 3-pole ganging with SchS 2 marking tag carrier (Cat. No. 033740)	
	SDIK 902494 -			Contact sleeve 055330 100	
PS 2.3 018040 20	PS 2.3 018040 20	PS 2.3 018040 20	PS 2.3 018040 20		
	DLS 2 032106 50 DLS 2 + 063016 50 DLS 2 - 054776 50				
FW 6.5 046816 - FS 6.5 046826 -	FW 6.5 046816 - FS 6.5 046826 -	FW 6 046866 - FS 6 046876 -	FW 6 046866 - FS 6 046876 -	FW 5 047346 - FS 5 047356 -	

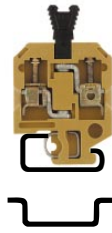
1) Without DLS
2) With DLS empty
3) With DLS 1N4007

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

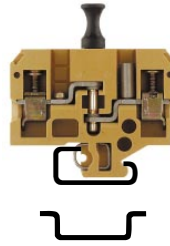
5) With DKT 4 only in upper terminal level
6) As disconnect terminal rated voltage 250 V

Disconnect terminals

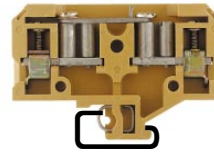
SAKC 4 SAKC 4/35



SAKC 10 SAKC 10/35



SAKA 10



SAKB 10



Dimensions

Width / length / height (mm)	with TS 32
Width / length / height (mm)	with TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	

Rated data

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

Further technical data

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

Clampable conductor

solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
Plug gauge according to 947-1	Size

Continuous current of terminal block for conductor size

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

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

UL / CSA rated data

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

Ordering data

Type	Qty.	Qty.
KrG	034072 100	035752 100
KrS		
KrG	034062 100	035762 100
KrG		
KrS		

6,5/40/51,5/67
6,5/49,5/42,5/59,5
12 mm/M 3/3,5 x 0,6

400 V/25 A/4 mm ²
6 kV/3

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

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

(QB 2...25) 10

300 V/-/22...12 AWG
300 V/25 A/22...10 AWG

Type	Qty.	Qty.
KrG	034072 100	035752 100
KrS		
KrG	034062 100	035762 100
KrG		
KrS		

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

500 V/27 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

300 V/25 A/22...8 AWG
600 V/25 A/20...10 AWG

Type	Qty.	Qty.
AP (3,0)	032402 50	
AP (3,0)	032412 50	140462 50
AP (3,0)		140452 50
AP (3,0)	032403 50	

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

500 V/47 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/-/18...8 AWG
600 V/35 A/18...8 AWG

Type	Cat. No.	Qty.
AP (3,0)	013412	25

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

500 V/63 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/-/18...8 AWG
600 V/45 A/18...8 AWG

Type	Cat. No.	Qty.
AP (3,0)	013492	40

End plate (thickness mm)

KrG	AP (1,5)	011792 20
KrS		
PA		

Partition (thickness mm)

KrG	TW (3,0)	024292 20
KrS	TW (3,0)	024293 20
PA	TW (1,5)	013016 20
HP	TW (1,0)	029710** 20

Cross-connection

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

QL	QB 4	SS M4
VH	BS	VH

Dummy plug

made from plastic, to keep the place of an extracted plug	BST 4 green	133905 500
	BST 4 red	133906 500
	BST 4 blue	133908 500

Test plug/Socket

PS 4	PS 2,3	018040 20
StB	StB 13,5	013520 50
Plug-test socket (without using QL)	StB 16	014020 50

Disconnecter plug (spare)

TST 4	TST 10	046270 20
ZI WE		

Extraction tool

for TST 4

Marking tags

Consecutive horizontal	FW 6.5	046816 -
vertical Printed	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

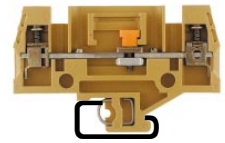
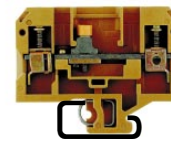
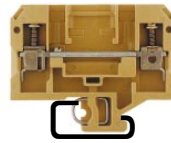
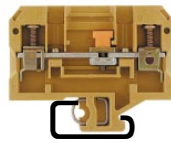
Test disconnect terminal blocks

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 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

Clampable conductor

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

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

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

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

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

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2...5-pole A
Continuous current rating of cross-connection 6...10-pole A

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

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

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

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

UL / CSA rated data

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

300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

300 V/25 A/26...8 AWG
300 V/25 A/26...8 AWG

Ordering data

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

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

Cat. No. Qty.
055042 50
019562 50

Cat. No. Qty.
049482 50
026932 50

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

End plate/partition/small partition (thickness mm)

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

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

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

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

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

Cross-connection

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

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

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

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

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

Switchable cross-connection link

QB 2
QB 3
QB 4
QB 10
SSP 3

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

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

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

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

Marking tags

Print
Consecutive horizontal
Consecutive vertical

1 2 3 4 5 6

FW 6.5 046816 -
FS 6.5 046826 -

FW 6.5 046816 -
FS 6.5 046826 -

FW 6.5 046816 -
FS 6.5 046826 -

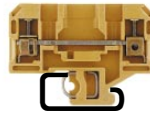
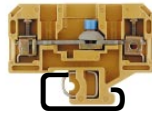
FW 6.5 046816 -
FS 6.5 046826 -

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

Test disconnect terminal blocks

SAKT 4/LT

SAKT 4/DU



Dimensions

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

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

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

Rated data

Rated voltage / current / cross-section

400 V/27 A/4 mm²

400 V/27 A/4 mm²

Rated impulse voltage VDE 0110/1.89/Pollution severity

6 kV/3

6 kV/3

Further technical data

Tightening torque range Nm

0,4...0,7

0,4...0,7

Torque setting with DMS 2 electric screwdriver

1

1

Clampable conductor

solid H07V-U mm²

0,5...6

0,5...6

stranded H07V-R mm²

1,5...4

1,5...4

flexible H07V-K mm²

0,5...4

0,5...4

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

0,5...4

0,5...4

Plug gauge according to 947-1 Size

A 3

A 3

Continuous current of terminal block for conductor size

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

(Q 2...10) 27

(Q 2...10) 27

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

UL / CSA rated data

Voltage / current / conductor size UL

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

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

Voltage / current / conductor size CSA

300 V/-/26...10 AWG

300 V/-/26...10 AWG

Ordering data

Type

 Cat. No. Qty.

 Cat. No. Qty.

Closed back wall KrG

025412 50

024632 50

Open back wall KrG

4 StB 14 KrG 60 V*

1 StB 2 KrG

StB left **025422** 50

1 StB 2.3 KrG

StB left **025432** 50

2 StB 14 KrG

StB ø 2,0 **031032** 50

2 StB 2.3 KrG

025442 50

PA

2 StB PA

StB left **024652** 50

StB ø 2,0 **024662** 50

End plate / partition/Small partition (thickness mm)

KrG

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

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

KrG

PA

PA

HP

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

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

TSch 2 **035366** 100

TSch 2 **035366** 100

Cross-connection



QL 2

QL 3

QL 4

VH 12



VH 19

BS 25 blank

QS 2



QVSK 2

QVS 3

QVS 4

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

Switchable cross-connection link



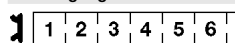
Disconnect lock

SSP 4 **131936** 20

SSP 4 **131936** 20

Marking tags

Print



Consecutive horizontal

Consecutive vertical

FW 6.5 **046816** -

FS 6.5 **046826** -

FW 6.5 **046816** -

FS 6.5 **046826** -

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

Feed-through terminals with tab connection

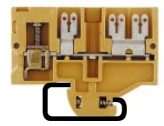
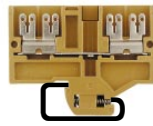
Disconnect terminals with tab connection

AST 1

AST 3

AST 4

AST 5



Dimensions

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

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 6 kV/3	500 V ¹⁾ / - /2,5/1,0 mm ² 6 kV/3	500 V ¹⁾ / - /2,5/1,0 mm ² 6 kV/3	500 V ¹⁾ / - /2,5/1,0 mm ² 6 kV/3
--	--	--	--

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

		0,4...0,7 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...2,5 0,5...2,5 0,5...2,5 A 3	0,5...6 1,5...2,5 0,5...4 0,5...4 A 4
--	--	---	---

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36	(QL 2...10) 36
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UL / CSA rated data

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

300 V/13 A/- 300 V/16 A/-	300 V/13 A/- 300 V/16 A/-	300 V/13 A/22...12 AWG 300 V/16 A/24...12 AWG	300 V/13 A/22...12 AWG 300 V/16 A/24...12 AWG
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Ordering data

Version	Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.
Slotted KrG	047822	50	044242	100	043912	100	047922	50
Blue, slotted KrG								
Slotted PA	047826 ²⁾	50	023686 ²⁾	100	023726	100	047926	50
Unslotted KrG	026632	50	029802	100	032122	100	033452	50
Blue, unslotted KrG								
Unslotted PA	026636 ²⁾	50	023676 ²⁾	100	023716	100	033456	50

Block of 10, slotted with marking 1-9 PA

End plate/partition/small partition (thickness mm)

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



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AP (3,0)	029812	20	AP (3,0)	029812	20	AP (3,0)	029812	20	AP (3,0)	026642	20
AP (1,5)	046056	20	AP (1,5)	046056	20	AP (1,5)	046056	20	AP (1,5)	026646	20
TW (1,5)	013016	20	TW (1,5)	013016	20	TW (1,5)	013016	20			
TW (1,0)	029710	20	TW (1,0)	029710	20	TW (1,0)	029710	20	TW (1,0)	047470	20
TSch 1	031916	100	TSch 1	031916	100	TSch 1	031916	100	TSch 1	060700	20
									TSch 1	031916	100

Cross-connection

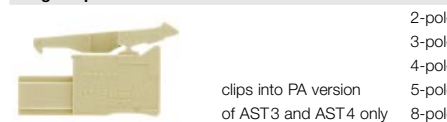
2-pole	3-pole	4-pole	10-pole	25-pole
Q 2	Q 3	Q 4	Q 10	
033670 50	033680 50	033690 50	036880 20	



2-pole	3-pole	4-pole	10-pole	25-pole
Q 2	Q 3	Q 4	Q 10	
033670 50	033680 50	033690 50	036880 20	

Plug adapter

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



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

Test plug/Socket

Plug-test socket without using QL for TS 32

PS	StB
PS 2.3	StB 14
018040 20	016860 50



PS	StB
PS 2.3	StB 14
018040 20	016860 50

Insulation sleeve

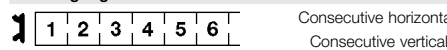
IH 2.8	IH 6.3
038606 100	038626 100



IH 2.8	IH 6.3
038606 100	038626 100

Marking tags

Consecutive horizontal	Consecutive vertical
FW 6.5	046816 -



FW 6	FW 6.5
046866 -	046816 -

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

500 V/16 A/2,5/1,0 mm²

500 V/16 A/2,5/1,0 mm²

250 V/10 A/4/1,0 mm²

Rated impulse voltage VDE 0110/1.89/Pollution severity

6 kV/3

6 kV/3

6 kV/3

Further technical data

Tightening torque range Nm

0,5...1,0

0,5...1,0

Torque setting with DMS 2 electric screwdriver

2

1

Clampable conductor

solid H07V-U mm²

0,33...6

0,5...4

stranded H07V-R mm²

1,5...4

1,5...4

flexible H07V-K mm²

0,5...4

0,5...4

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

0,5...4

0,5...2,5

Plug gauge according to 947-1 Size

A 4

A 3

Continuous current of terminal block for conductor size

(QL 2...10) 36

(QL 2...10) 36

(QB 2...25) 10

Continuous current rating of cross-connection 2-pole A

A

Continuous current rating of cross-connection multipole A

A

UL / CSA rated data

Voltage / current / conductor size UL

300 V/13 A/26...12 AWG

300 V/13 A/18...14 AWG

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

Voltage / current / conductor size CSA

300 V/13 A/26...12 AWG

300 V/13 A/18...14 AWG

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

Ordering data

Version

Slotted KrG

 Cat. No. Qty.
040122 100

 Cat. No. Qty.
047962 100

 Cat. No. Qty.
066366 100

Blue, slotted KrG

047967 100

047967 100

047966 100

Slotted PA

040126 100

047966 100

035292 100

Unslotted KrG

047952 100

035292 100

with 1 StB 6

Blue, unslotted KrG

035297 100

035297 100

Unslotted PA

Block of 10, slotted with marking 1-9 PA

End plate/partition/small partition (thickness mm)

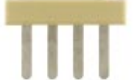
 AP
 TW
 TSch 1
KrG
blue KrG
PA
PA
HP
HP
Only for PA

Type Cat. No. Qty.
AP (1,5) **011792** 20
AP (1,5) **011796** 20
AP (1,5) **013016** 20
TW (1,0) **029710** 20

Type Cat. No. Qty.
AP (1,5) **011792** 20
AP (1,5) **011797** 20
AP (1,5) **011796** 20
TW (1,5) **013016** 20
TW (1,0) **029710** 20

Type Cat. No. Qty.
AP (1,5) **021136** 20
TW (1,0) **029710** 20

Cross-connection

 QL
 QB 4
2-pole
3-pole
4-pole
10-pole
25-pole
BS M 3 x 4,5
BS M 3 x 24

QL 2 **013060** 100
QL 3 **013070** 100
QL 4 **013080** 50
QL 10 **033820** 20

QL 2 **013060** 100
QL 3 **013070** 100
QL 4 **013080** 50
QL 10 **033820** 20

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

QB 25 blank* **013400** 20

BS M 3x4,5 **159321** 100

BS M 3x4,5 **159321** 100

Plug adapter

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

Test plug/Socket

Plug-test socket without using QL for TS 32

 PS
 StB

Insulation sleeve



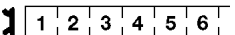
IH 2.8 **038606** 100
IH 6.3 **038626** 100

IH 2.8 **038606** 100
IH 6.3 **038626** 100

IH 2.8 **038606** 200

Marking tags

Print

 Consecutive horizontal
Consecutive vertical

FW 6.5 **046816** -

FW 6.5 **046816** -

FW 6.5 **046816** -

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

¹⁾ With insulation sleeve

* The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

Feed-through terminals with tab connection

DK 4 S

DK 4 S 2,8 only



Dimensions

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

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

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

Rated data

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

400 V¹⁾/2 x 10/4/1,0 mm²
6 kV/3

400 V¹⁾/2 x 10/4/2,5/1,0 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,5...1,0
2

0,5...1,0
2

Clampable conductor

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

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

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

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

(QL 2...10) 20
(QL 2...10) 20

(QL 2...10) 20
(QL 2...10) 20

UL / CSA rated data

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

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

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

Ordering data Version PA

 Cat. No. Qty.
063126 100

 Cat. No. Qty.
063116 100

End plate (thickness mm)



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

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

Partition



HP TW HP (2,0) **060700** 20

HP TW HP (2,0) **060700** 20

Small partition



TSch 6 **019026** 100

TSch 6 **019026** 100

Cross-connection

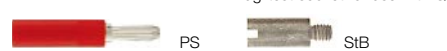


2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL



StB 8.5 **021570** 50

StB 8.5 **021570** 50

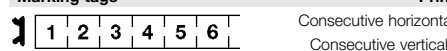
Insulation sleeve



PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

Marking tags



FW 6 **046866** -

FW 6 **046866** -

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

¹⁾ with Insulation sleeve

**Disconnect terminals
for wrap connection DIN 41 611, Part 2
and
for spring clip connection DIN 41 611,
Part 4**

SAKRT

Width / length / height (mm) with TS 32

Insulation stripping length/clamping screw/screwdriver blade

6/50/58,5/75,5	6/50/60,5/77,5	6/50/67,5/84,5	6/42/40,5/54,5
9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6	8 mm/M 3/3,5 x 0,6

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

250 V/8 A/4 mm ²	250 V/10 A/4 mm ²	250 V/10 A/4 mm ²	250 V/6/8 A/4 mm ²
4 kV/3	4 kV/3	4 kV/3	4 kV/3

Tightening torque range	Nm
Torque setting with DMS 2 electric screwdriver	

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

solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
Plug gauge according to 947-1	Size

0,5...4	0,5...4	0,5...4	0,5...6
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	0,5...4	0,5...4
A3	A3	A3	A3

Continuous current of terminal block for conductor size

NAME	NAME	NAME	NAME

Continuous current rating of cross-connection	2-pole	A
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(Q 2...10) 20	(Q 2...10) 20	(Q 2...10) 20	(QB 2...10) 10
---------------	---------------	---------------	----------------

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

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

-	-	-	-
-	-	-	-

Direction	Right	Left	Blue
Horizontal right	Right	Left	Blue
Horizontal left	Left	Right	Blue
Vertical right	Right	Left	Blue
Vertical left	Left	Right	Blue
Diagonal right	Right	Left	Blue
Diagonal left	Left	Right	Blue
Diagonal up	Right	Left	Blue
Diagonal down	Left	Right	Blue

 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.	 Cat. No. Qty.
053656 50			Pin 1 x 1 058746 100
	037046¹⁾ 50		
	037048¹⁾ 50		
	037036¹⁾	052776¹⁾ 50	Pin 0,8 x 2,4 054506 100
	068586¹⁾ 50		
			Pin 0,8 x 1,6 046936 100
139846¹⁾ 50	139856¹⁾ 50	139876¹⁾ 50	
	139866¹⁾ 50	139886¹⁾ 50	

End plate / partition (thickness mm)

	PA	AP (1,5)	035926	20	AP (1,5)	035926	20	AP (1,5)	035926	20	AP (1,5)	021136	20
	Blue PA	AP (1,5)	035928	20	AP (1,5)	035928	20						
		TW (2,0)	060700	20	TW (2,0)	060700	20	TW (2,0)	060700	20	TW (2,0)	060700	20

 TSch 4

TSch 4	036336	100	TSch 4	036336	100	TSch 4	036336	100	

Cross-connection/Covers

Q3

QB4

2-pol
3-pol
4-pol
10-pol

Q 2	033640	50	Q 2	033640	50	Q 2	033640	50
Q 3	033650	50	Q 3	033650	50	Q 3	033650	50
Q 4	033660	50	Q 4	033660	50	Q 4	033660	50
Q 10	036860	20	Q 10	036860	20	Q 10	036860	20
QB 2*	048270	100	QB 2*	048270	100	QB 2*	048270	100
QB 3*	048280	50	QB 3*	048280	50	QB 3*	048280	50
QB 4*	048290	50	QB 4*	048290	50	QB 4*	048290	50
						QB 25 blank*	013400	20

Test plug/Socket

Test plug, socket	Plug-test socket without using Q
	

StB 8.5 (ø 2.3) 021570 50	StB 8.5 (ø 2.3) 021570 50	StB 8.5 (ø 2.3) 021570 50	StB 8.5 (ø 2.3) 021570 50



Marking tags

Consecutive horizontal

Consecutive vertical

02.10.2019	01.05.2019	02.10.2019	01.05.2019	02.10.2019	01.05.2019	
dekafix 6	046866	-	dekafix 6	046866	-	dekafix 6

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)

Version

Block* of 10 plates fitted with pins and an empty plate which acts as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks listed here are coded from 1 to 9. The 10th. plate is free for decade markings.

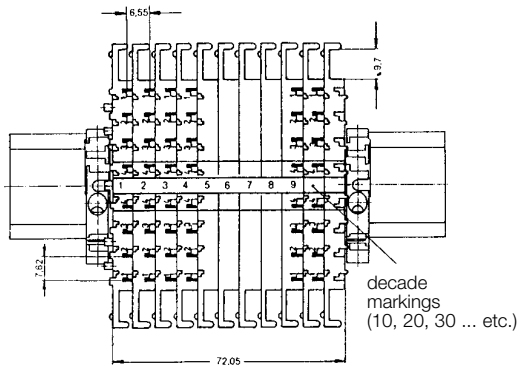
* Block length = 72.05 mm

Nominal voltage according to DIN 0110
Insulation group C

Pin dimensions	Grid dim. in mm	
mm	6.55	7.62
0.6 x 0.6	380 V~	380 V~
1.0 x 1.0	380 V~	380 V~
0.8 x 1.6	380 V~	380 V~
0.8 x 2.4	250 V~	380 V~

Applications

Interface system for use in 19" cabinets whose doors can only be opened outwards. Primarily decentralised arrangement, i.e. next to electronic modules. The pin arrangement allows operation from the front. The individual conductors with 8 colour codes from stranded cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The block designation is performed by coordinates. Markings 1 to 9 and the decade markings are in the direction of mounting. For the markings 1 to 4 per level, see the diagram below. Side tabs assign the individual conductors to the respective level.



Dimensions

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

Rated data

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

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

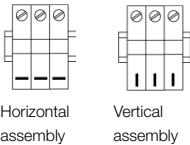
solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

UL / CSA rated data

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

Ordering data/Pin version (internal)

Vertical 0.8 x 1.6
Horizontal 0.8 x 1.6
Vertical 0.8 x 2.4
Horizontal 0.8 x 2.4
0.8 x 2.4 on 1 x 1



Plug adapter

6,55/39/60/86

250 V/4/6 A
4 kV/3

Cat. No.	Qty.
046376	8
046366	8
046396	8
046386	8
049796	8

Additional versions available
on request

Type	Cat. No.	Qty.
DSA 1	057606	50

Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.

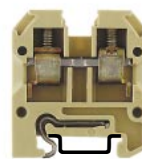
013266

Disconnect terminals

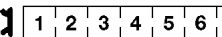
AKZ 2.5

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	
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	
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	
stranded H07V-R		mm ²		1,5		1,5...2,5		1,5...4	
flexible H07V-K		mm ²		0,5...1,5		0,5...2,5		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	
flexible H07V-K and AEH with plastic collar		mm ²		0,5...1,5		0,5...2,5		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	
Continuous current rating of cross-connection 2-pole		A		10		20		20	
Continuous current rating of cross-connection multipole		A		10		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	
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	
Ordering data		Type		TS 15 Cat. No. Qty.		TS 15 Cat. No. Qty.		TS 15 Cat. No. Qty.	
		KrG							
		PA		034046 100		(with spigot) 069716 100		029432 100	
		Blue PA		034048 100		(with spigot) 069718 100		029436 100	
		PA		(10pol.w/o.mrk.) 035806 10		(without spigot) 017596 100		(10pol.w/o.mrk.) 035956 10	
		PA		(10pol.w. mrk. 035816 10		AKZ 2.5 with AP 038586 50		(10pol.w. mrk.) 035966 1	
								for test adapter 153826 100	
								w. mark./f. test ad. 148936 10	
								ATA 1, 10-pole 163253 25	
								ATA 1, 10-pole 163324 25	

End plate (thickness mm)		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.		
		KrG						AP (1,5)	029442	20					
		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)															
		KrG						TW (2,0)	011890	20					
		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)													
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

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
-/-/22...12 AWG
-/-/26...12 AWG
TS 15 Cat. No. Qty.
130336 100
(Green/yellow)
Type Cat. No. Qty.
FW 5 047346 500
FS 5 047356 500

AKE 4



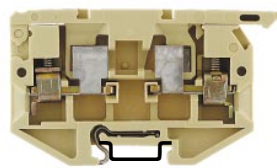
7/32/34
9 mm/M 3/3,5 x 0,6
IEC 947-7-2
690 V**/-/4 mm ²
8 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5
0,13...4.0 / A 3
-/-/22...12 AWG
-/-/26...12 AWG
TS 15 Cat. No. Qty.
038026 100
(Green/yellow)
Type Cat. No. Qty.
FW 6,5 046816 500
FS 6,5 046826 500

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
-/-/22...14 AWG
TS 15 Cat. No. Qty.
021120 50
Type Cat. No. Qty.
FW 6,5 046816 500
FS 6,5 046826 500

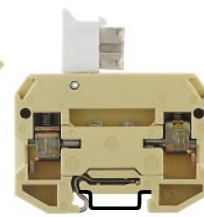
ASK 1



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
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
QB 2 ¹⁾ insul. 046110 50
QB 3 ¹⁾ insul. 046120 50
QB 4 ¹⁾ insul. 046130 50
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. 033740)
contact sleeve 055330 100
FW 6.5 046816 500
FS 6.5 046826 500

SAKR

with 2 sockets or
with 2 clamping screws



6,5/42/45
8 mm/M 3/3,5 x 0,6
400 V ²⁾ /10 A/4 mm ²
6 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4.0 / A 3
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
QB 2 ¹⁾ insul. 048270 50
QB 3 ¹⁾ insul. 048280 50
QB 4 ¹⁾ insul. 048290 50
QB 25 ¹⁾ blank 013400 20
PS 2.3 018040 20
FW 6.5 046816 500
FS 6.5 046826 500

²⁾ 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

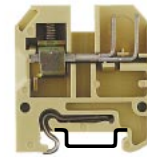
Feed-through terminals
Tab connection
Solder connection

AKZ 4 SS

AKZ 4 SS

AKZ 4 S

AKZ 4 SF



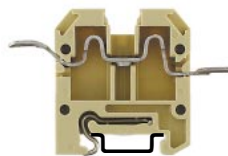
Dimensions

Width / length / height (mm)	with TS 15	6/28,5/30,5	6/28,5/30,5	6/27/30	6/27/30
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.
	KrG				
	PA	032456 100	036246 100	032446 100	015876 100
	Blue PA				
	PA				
End plate (thickness mm)		Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
	PA	AP (1,5) 029446 20	AP (1,5) 029446 20	AP (1,5) 029446 20	AP (1,5) 029446 20
	PA				
	Blue PA				
	HP				
	HP				
	BB				
Partition (thickness mm)		Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
	PA	TW (0,5) 034826 50	TW (0,5) 034826 50	TW (0,5) 034826 50	TW (0,5) 034826 50
	HP				
	HP				
Small partition					
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
	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
Test plug/Socket					
Plug-test socket ø 2,3	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					
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
Marking tags					
Print					
Consecutive horizontal	FW 6	046866 500	FW 6 046866 500	FW 6 046866 500	FW 6 046866 500
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.

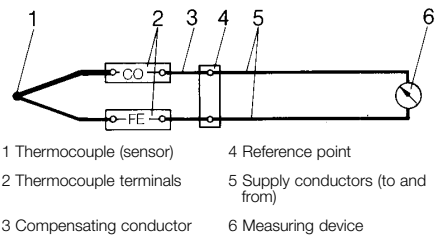
AKZ 4 LL

Weidmüller 2/111

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

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Row width 14 mm including end plate

Configuration of a temperature measuring circuit



The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple. Thermocouple terminals are required for the construction of temperature measuring circuits.

Technical data	
Thermocouples according to IEC 584 (DIN 43 710)	
	Busbar
	Constantan
Iron	

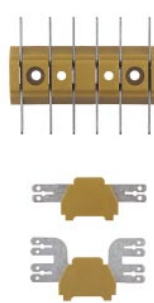


Dimensions		with TS 15	
Width / length / height (mm)		14/27/30	
Insulation stripping length/clamping screw/screwdriver blade		9 mm/M 3/3,5 x 0,6	
Rated data			
Rated voltage / current / cross-section		-/-/4 mm ²	
Further technical data			
Tightening torque range		Nm	0,5...1
Torque setting with DMS 2 electric screwdriver			2
Clampable conductor			
solid H07V-U		mm ²	0,5...4
stranded H07V-R		mm ²	1,5...4
flexible H07V-K		mm ²	0,5...4
flexible H07V-K and AEH DIN 46 228/1		mm ²	0,5...2,5
flexible H07V-K and AEH with plastic collar		mm ²	0,5...2,5
Plug gauge according to 947-1		Size	A 3
Continuous current of terminal block for conductor size			
Continuous current rating of cross-connection 2-pole		A	
Continuous current rating of cross-connection multipole		A	
UL / CSA rated data			
Voltage / current / conductor size		UL	
Voltage / current / conductor size		CSA	
Ordering information		Version	
for thermocouples according to IEC 584 (DIN 43710)	Type J	Fe – CuNi	TS 15 Cat. No. Qty. 162701 20
	Type T	Cu – CuNi	on request
	Type K	NiCr – Ni	167713 20
	Type E	NiCr – CuNi	on request
End plate		Cat. No.	
		AP (thickness 1.5 mm)	PA 029446 20
Partition		Cat. No.	
		TW (thickness 0.5 mm)	PA 034826 50
Marking tags		Print	
		Consecutive horizontal	FW 6 046866 500
		Consecutive vertical	FS 6 046876 500
For further accessories see section 3, further marking material see section 8			

MDM 10/1



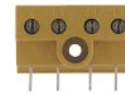
MF 1/6...1/12



SLS 2/2



SLS 2/4



Max. Technical Data

Dimensions

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

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

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

flexible H07V-K and AEH with plastic collar

mm²Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988 Size63 A / 10 mm²

10/45/34,5

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

800 V/57 A/10 mm²

8 kV/3

1,2...2,4

4

1,5...16

1,5...10

1,5...10

1,5...10

1,5...10

1,5...16 / B 6

See table below

See below

Continuous current rating of cross-connection 2-pole A

47

Continuous current rating of cross-connection multipole A

36

UL / CSA rated data

Voltage / current / conductor size

UL

Voltage / current / conductor size

CSA

Ordering data

PA

Type Cat. No. Qty.

MDM 10/1 912616 50

Direct mounting with an MB left and MB right

300 V/10 A/24...12 AWG

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

Type Cat. No. Qty.

MF 1/6 KrG²⁾ 047972 100MF 1/6 KrG³⁾ 048002 100MF 1/8 KrG²⁾ 047982 50MF 1/8 KrG³⁾ 048012 50MF 1/12 KrG²⁾ 047992 50MF 1/12 KrG³⁾ 048022 50

Screw/plug 6,3 x 0,8

Type Cat. No. Qty.

SLS 2/2 KrG 021342 100

SLS 2/4 KrG 024042 50

SLS 2/4 KrG 048032 50

Slotted

Attachment bracket

MB left 912526 20

MB right 912536 20

BS M 4 x 20 036280 100

SS M 4 013640 100

Small partition



TSch 1 031916 100

Cross-connection



Q 3

Q 2 045710 50

Q 3 045720 50

Q 4 045730 50

Q 10 045740 20

Switchable cross-connection link



VL

BS

VH

VL 2 013590 50

VH 19 028510 50

BS M 3 x 25 029250 100

Test plug/Socket/Insulation sleeve

PS

StB

IH



StB 14 016990 50

PS 4 029960 20

Cover/markings strips



AD 4 017860 50

BSK M 3 x 22 012890 100

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

IH 2.8 038606 100

IH 6.3 038626 100

SN 020010 500

BSTb 10/6 024090 50

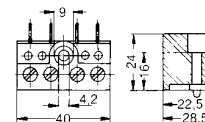
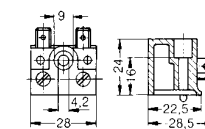
BSTb 10/8 024110 50

BSTb 10/12 020950 50

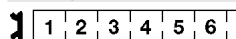
BSTo 10/6 024080 50

BSTo 10/8 024100 50

BSTo 10/12 020940 100



Marking material



Consecutive horizontal

Consecutive vertical

FW 6 046866 500

FS 6 046876 500

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

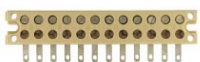
* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

²⁾ Single tab
³⁾ Double tab

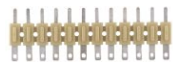
Multipole terminal blocks

Screw, solder, tab connection

MKL 2/12



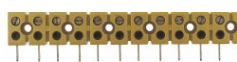
MF 2/12



MKL 3/12

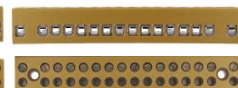


024362

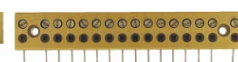


024992

MKL 4/16



026202



024432

Dimensions

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

flexible H07V-K and AEH with plastic collar

mm²

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

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size

UL

Voltage / current / conductor size

CSA

Ordering data

Version

Horizontal

2-pole

Other numbers of poles available on request

4-pole

6-pole

12-pole

16-pole

Vertical

2-pole

Other numbers of poles available on request

4-pole

6-pole

12-pole

16-pole

double-sided 2.8 x 0.8

single-sided 0.8 x 1.6/2.8 x 0.8

Expansion rivet/insulating sleeve

SN 020010 500

IH

IH 2.8 038606 100

Marking strips

Printed

BSTb 28/12 024570 50

1 ...

Bottom

Top 027850 50

unbedruckt

BSTo 28/12 024560 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

Feed-through terminals Screw connection

Solder connection

Tab connection

Spring clip connection iaw. DIN 41 611 Part 4

Wrap connection iaw. DIN/IEC 352 Part 1

AKA 2.5



ADK 1



ADK 1 F ADK 3 F



ADK 1 S



Dimensions

Width / length / height incl. pins (mm)

Length solder tag/pin (mm)

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

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

flexible H07V-K and AEH with plastic collar mm²

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

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering information

Version for sheet metal mm:

PA

KrG

EP

Pin 0,6x0,6

Pin 1,0x1,0

Pin 0,8x1,6

FS 1x6,3 slotted/0,8x2,8

12-pole PA

End plate (thickness mm)

	KrG	Type	Cat. No.	Qty.
	PA	AP (3)	016252	100
	EP			

Spacer (thickness mm)

	KrG	ZP (1,5)	024072	50
	KrG	ZP (2,5)	028852	20

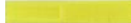
Partition (thickness mm)

	TW			

Test plug/Socket

	PS		StB	

Fuse pin/insulation sleeve/expansion rivet

	IH			

Marking tags

Print

	1	2	3	4	5	6
	Consecutive horizontal					
	Consecutive vertical					

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

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

* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

SP 90 FF ²⁾
SP 90 LF ³⁾


$$\frac{40/45,5/228,5/110}{217/90}$$
$$\frac{400 \cdot V / 16 \text{ A} / 2,5 / 1,5 \text{ mm}^2}{6 \text{ kV} / 3}$$

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

Rack mounted interface system



RV 8/8 long



RV 8/8 short



RV 8/9 long



RV 8/9 short



Technical data according to VDE

Pin versions (internal)

0,8 x 2,4/1 x 1

0,8 x 2,4/0,8 x 2,4

Plug adapter



1-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm² directly on to the pins of the interface system.

125 V/-/-	Cat. No.	Qty.
	046886	1
	046896	1

Type	Cat. No.	Qty.
DSA 1	057606	50

125 V/-/-	Cat. No.	Qty.
	046716	1
	046726	1

Type	Cat. No.	Qty.
DSA 1	057606	50

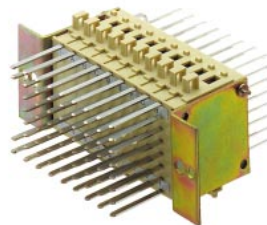
105 V/-/-	Cat. No.	Qty.
	049896	1
	049906	1

With shield pins	Type	Cat. No.	Qty.
	DSA 1	057606	50

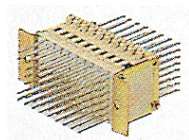
125 V/-/-	Cat. No.	Qty.
	044406	1
	054596	1

With shield pins	Type	Cat. No.	Qty.
	DSA 1	057606	50

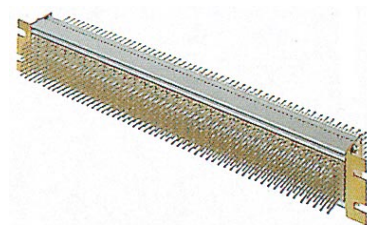
RV 4/9 short



RV 8/20 short



RV 8/56 short



Technical data according to VDE

Pin versions (internal)

0,8 x 2,4/1 x 1

0,8 x 2,4/0,8 x 2,4

Plug adapter



1-pole

8-pole

for connection of solid and flexible solid conductors from 0.75 to 1.5 mm² directly on to the pins of the interface system.

Additional versions available on request

125 V/-/-	Cat. No.	Qty.
	137896	1
	138296	1

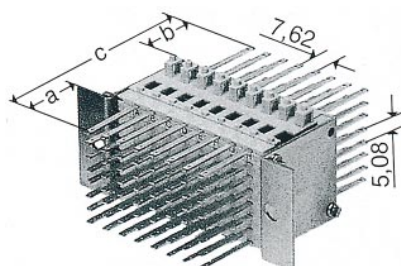
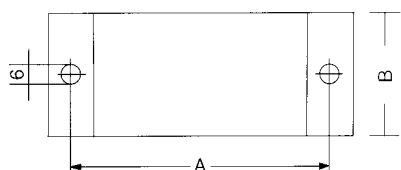
With potential compensation	Type	Cat. No.	Qty.
	DSA 1	057606	50
	DSA 1/8	014076	40

125 V/-/-	Cat. No.	Qty.
	011936	1
	054446	1

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

125 V/-/-	Cat. No.	Qty.
	046226	1
	053306	1

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



Type	Size A in mm	Size B in mm
RV 8/8 K	81	40,64
RV 8/9 K	89	40,64
RV 8/8 L	93	40,64
RV 8/9 L	100	40,64
RV 8/20 K	187,62/31,5	63
RV 8/56 K	460/31,5	63

(K = short/L = long)

Bestell.-Nr.	RV	a	b	c
046886	8/8 L	26	20	200
046896	8/8 L	26	26	206
049896	8/9 L	26	20	200
049906	8/9 L	26	26	206
046716	8/8 K	26	20	84
046726	8/8 K	26	26	89
044406	8/9 K	26	20	84
054596	8/9 K	26	26	89
011936	8/20 K	26	20	84
054446	8/20 K	26	26	89
046226	8/56 K	26	20	84
053306	8/56 K	26	26	89
137896	4/9 K	26	20	84
138296	4/9 K	26	26	89

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