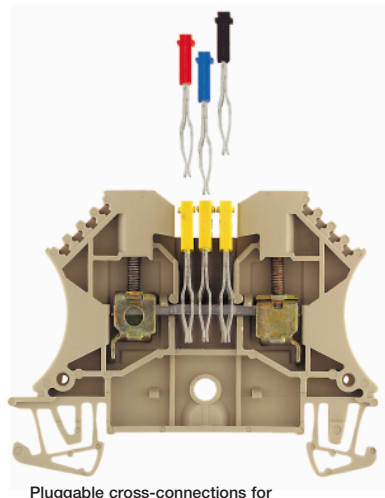
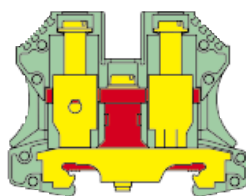


Terminals

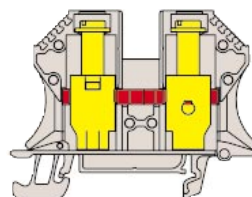
W-Series



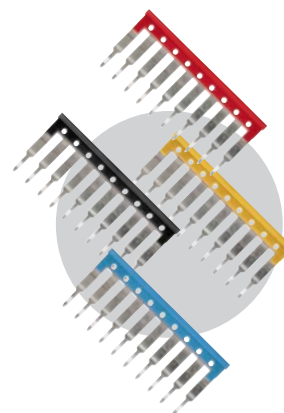
Pluggable cross-connections for
WDU 2.5 Page 2/4



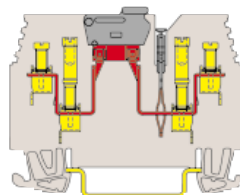
Installation terminal blocks
WPE 35 N Page 2/14



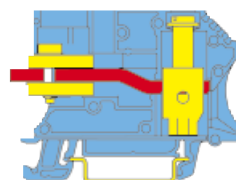
Installation terminal blocks
WDU 35 N Page 2/9



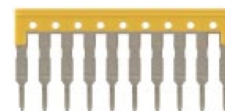
different colour versions
ZQV Cross-connections Page 2/5



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

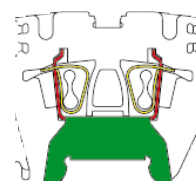
Z- Series Miniblocks in tension clamp technology



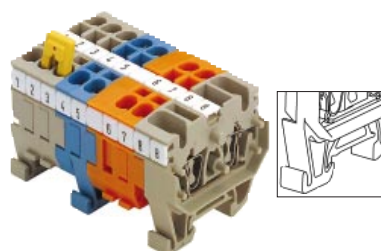
ZDUB 2.5-2 Direct mounting Page 2/57



ZDUB 2.5-2 TS15/TS35 Page 2/57



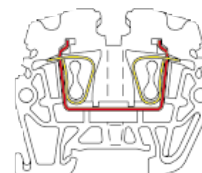
ZPEB 2.5-2/2AN TS15 Page 2/59



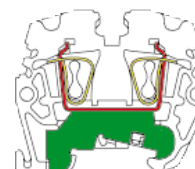
ZDUB 2.5-2 TS15 Page 2/57



ZDUB 2.5-2 Rastclip Page 2/57



ZDUA 2.5-2 TS15 Page 2/59

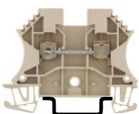


ZPEA 2.5-2 TS15 Page 2/59

Terminals

W Series - Innovative terminals made of inflammable polyamide

Feed-through terminal blocks in Wemid for TS 35



WDU 2.5

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WDU 2.5/10

Page 2/5



WDU 2.5N
WDU2.5N/10/BEZ

Page 2/6



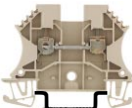
WDU 1.5/ZZ

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

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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.

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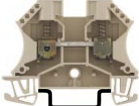
WDU 4
WDU 4/10/BEZ

Page 2/7



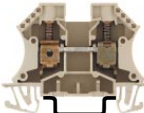
WMA 4/5
WMA 4/4

Page 2/8



WDU 6
WDU 6/10/BEZ

Page 2/8



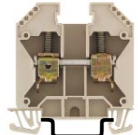
WDU 10

Page 2/8



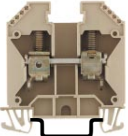
WDU 16N

Page 2/8



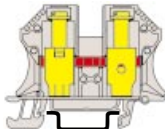
WDU 16

Page 2/9



WDU 16/ZA
with lug

Page 2/9



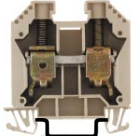
WDU 35N

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WDU 35

Page 2/9



WDU 35/ZA
with lug

Page 2/9



WDU 70N

Page 2/9



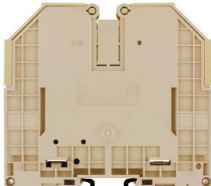
WDU 70/95

Page 2/10



WDU 70/95/...
Block of three

Page 2/11



WDU 120/150

Page 2/11



WDU 120/150/...
Block of three

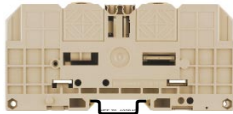
Page 2/11

Tab connection terminals in Wemid for TS 35



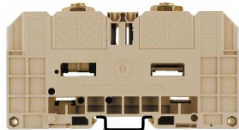
WFF 35
M 6

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

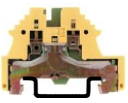
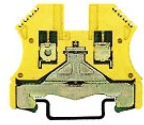
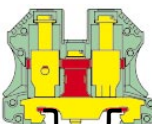
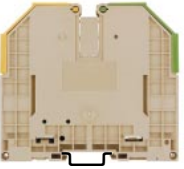


WFF 300
M 16

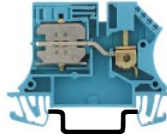
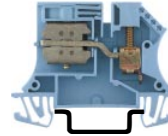
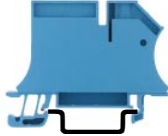
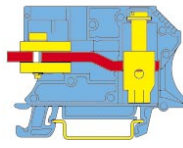
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2/11 Weidmüller

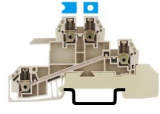
Protective conductor terminal blocks in Wemid for TS 35

							
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

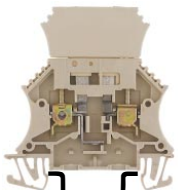
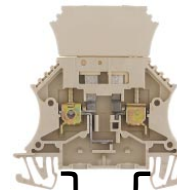
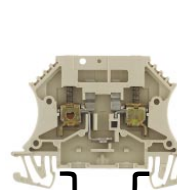
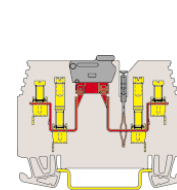
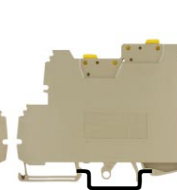
Three-way terminal blocks in Wemid for TS 35 with 10 x 3 N-Ssch

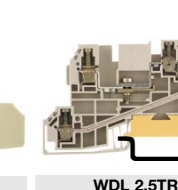
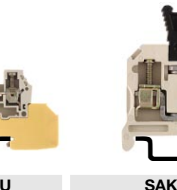
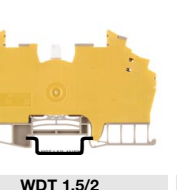
							
WDL 2.5 S/NT/L/PE	WDL 2.5 S/L/L	WDL 2.5 S-Blocks	WDL 2.5 S/N	WDL 2.5 S/L	WDL 2.5 S/N/L	WDL 2.5 S/N/L/PE	WDL 2.5 S/L/L/PE
Page 2/18	Page 2/18	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19	Page 2/19

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

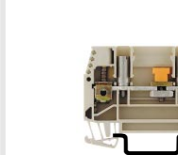
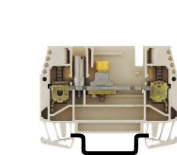
						
WDL 2.5 NT/L/PE	WDL 2.5 L/L	WDL 2.5 N	WDL 2.5 L	WDL 2.5 N/L	WDL 2.5 N/L/PE	WDL 2.5 L/L/PE
Page 2/20	Page 2/20	Page 2/21	Page 2/21	Page 2/21	Page 2/21	Page 2/21

Disconnect test terminal blocks in Wemid

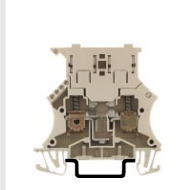
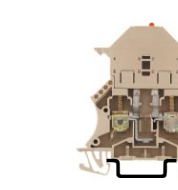
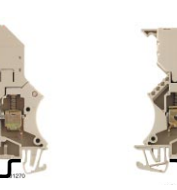
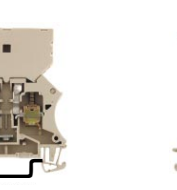
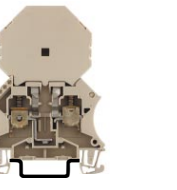
						
WTR 2.5 Take-out disconnect	WTR 2.5 D with diode plug	WTR 2.5 D with diode plug and socket type StB 2.3	WTR 2.5 without breaker	WTR 2.5/ZZ	WDTR 2.5	WDTR 2.5/WE
Page 2/22	Page 2/22	Page 2/22	Page 2/22	Page 2/23	Page 2/23	Page 2/23

					
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

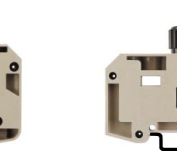
Disconnect test terminal in wemid for TS 35 and TS 32

				
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

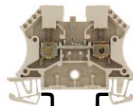
Fuse terminals in Wemid for TS 35

		
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

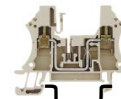


WDU 4 SA

400 V

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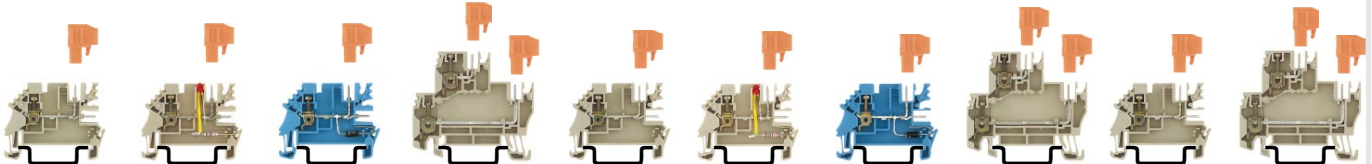
Terminal housing to take electronic components



WPO

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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

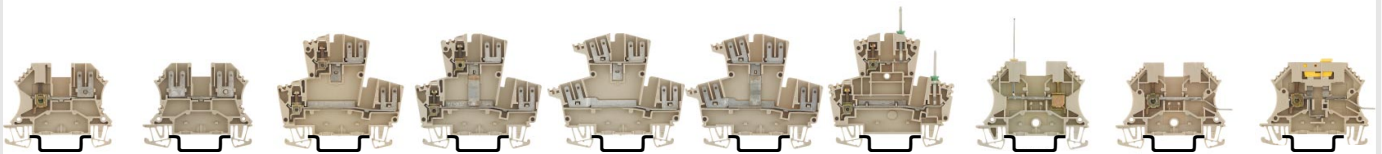
Page 2/37

WDK 2.5/BLZ R 7.62

400 V

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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

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AST 4

Page 2/40

AST 5

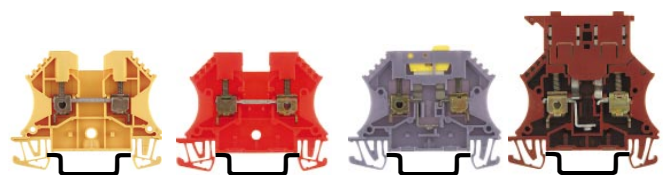
Page 2/40

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

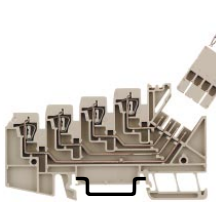
Disconnect test terminals in Wemid for TS 35

			
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

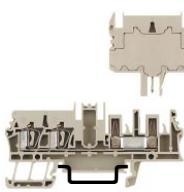
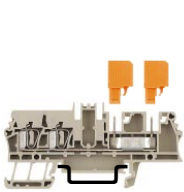
Fuse terminals in Wemid for TS 35

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

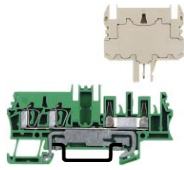
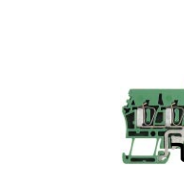
Terminals with plug-in connector

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

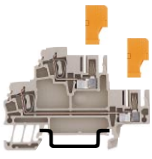
Feed-through terminal with connector socket

	
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

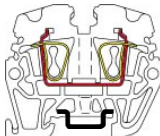
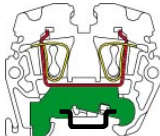
Feed-through terminal with connector socket

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

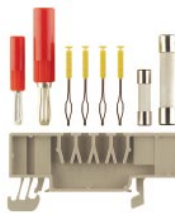
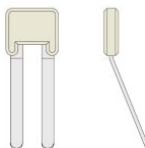
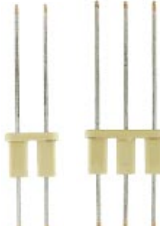
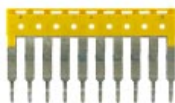
Miniblock terminals

						
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

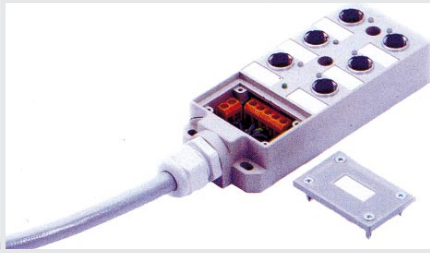
Accessories for the Z Series

						
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

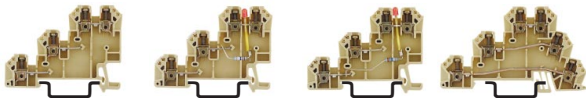
SAISW-5/7

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

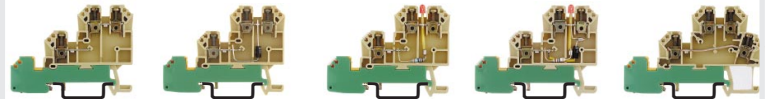
DLI 2.5/LD

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



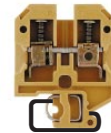
DK 4 Q

Page 2/74



DK 4 QV

Page 2/75



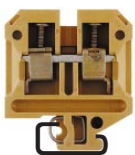
SAK 6 N

Page 2/75



SAK 10

Page 2/75



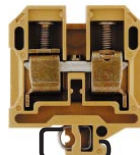
SAK 16

Page 2/75



SAK 35 N

Page 2/76



SAK 35

Page 2/76



SAK 70

Page 2/76



SAK 95

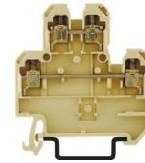
Page 2/76

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

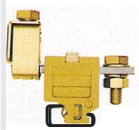
Page 2/81



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

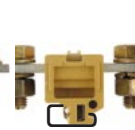
Page 2/82



SAKG 46 II G

M 12

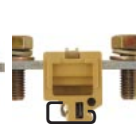
Page 2/82



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

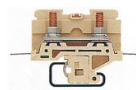
Page 2/85



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



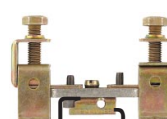
EK 2
10 mm²

Page 2/87



SAKE 35

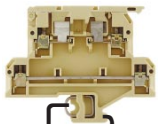
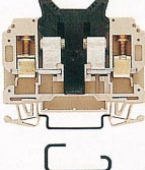
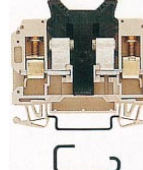
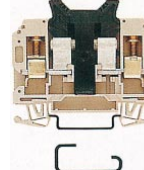
Page 2/87



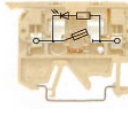
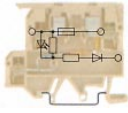
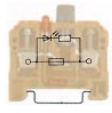
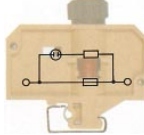
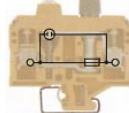
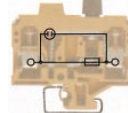
SAKE 70

Page 2/87

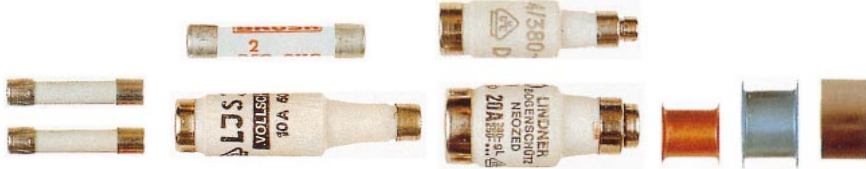
Fuse terminals for TS 32

						
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

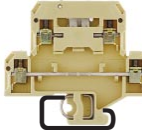
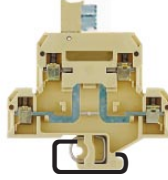
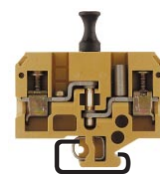
Fuse cartridges and gauge rings for Weidmüller fuse terminals

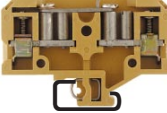
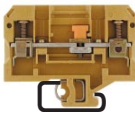
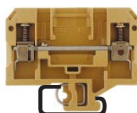
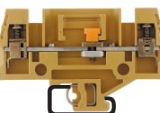
	
Fuse cartridges	gauge rings
Page 2/93	Page 2/93

Pressure connectors for TS 32

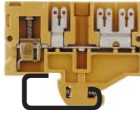
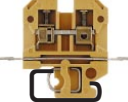
	
SV 2	SV 3
Page 2/94	Page 2/94

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

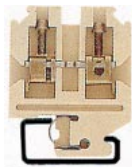


AVR 4/10

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

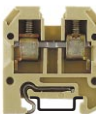


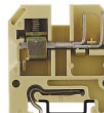
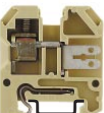
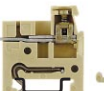
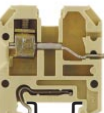
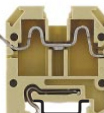
AKZ 4/TC

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AKZ series

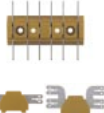
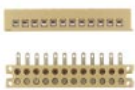
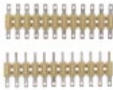
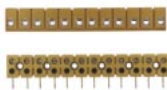
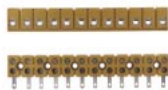
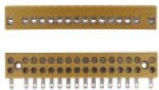
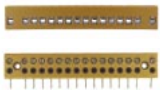
Feed-through terminals for space saving assembly

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

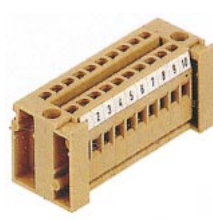
Multipole terminal blocks, Screw, solder, tab connection modular design

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



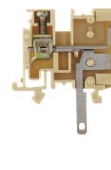
ADK 1 T

Page 2/121



ADK 2.5 K

Page 2/121



ADK 2.5 K

with Solder tag

Page 2/121



ADK 1 FT

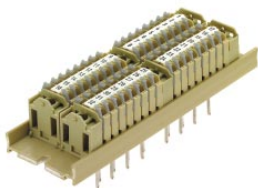
Page 2/121



MK 2/12

Page 2/121

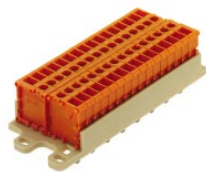
Rack mounted interface systems



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

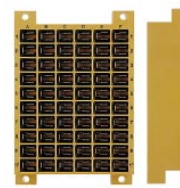
Page 2/122



SP 10 FF / SP 10 LF

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

Page 2/122



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

Page 2/123

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

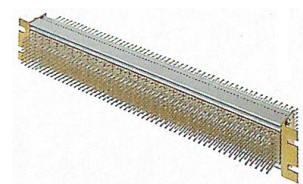
160x0,8x2,4 - 1x1

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

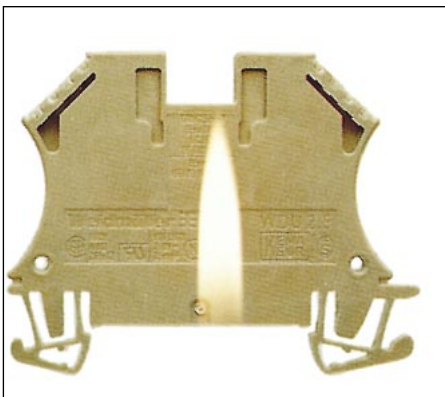
448x0,8x2,4 - 0,8x2,4

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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



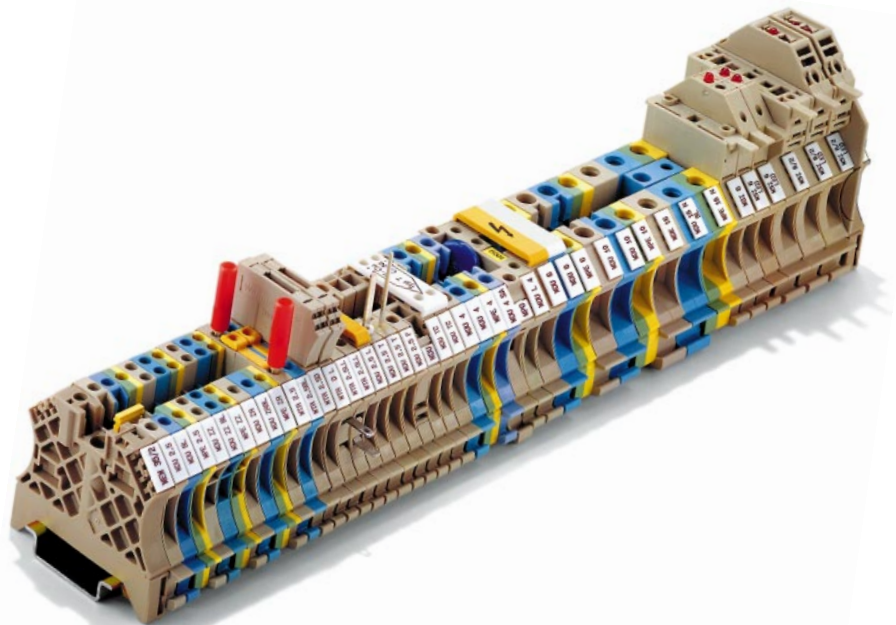
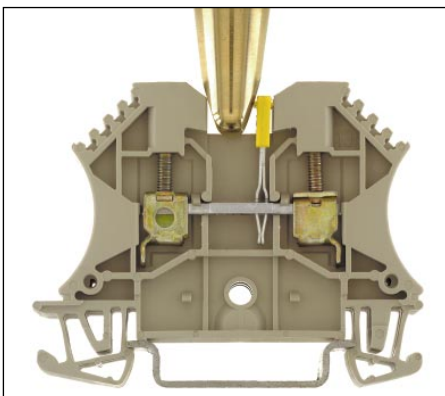
Common features of all variants are:

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

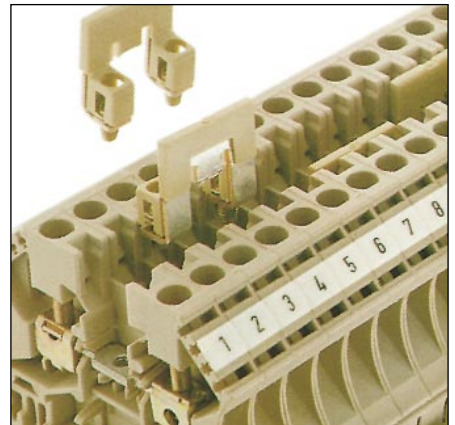
- Clamping yoke system
- Tension spring connection
- Push-on connection
- Wire-wrap connection®
- TERMI-POINT connection®
- Solder connection

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.

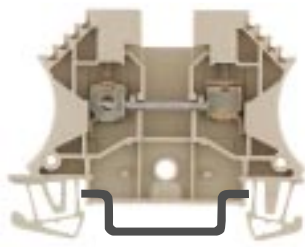


All approvals

- 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

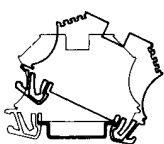


This series has **versions** for conductors up to 150 mm².

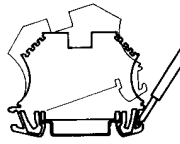
- Only two different end plates.
- The larger end plate can be used as a partition for the smaller terminals.
- Both end plates latch tightly onto the terminals.

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



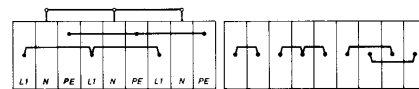
latch off

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

Simple

Parallel

Feed-through terminals

for L1, N disconnect and PE terminals

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.

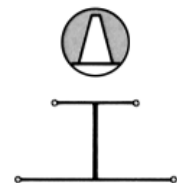
- Marking of live terminals.
- Absolute shock protection is guaranteed.
- Practical identification of functional groups in addition to terminal marking.
- Three systems available for terminal marking - up to 10 characters possible.

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**

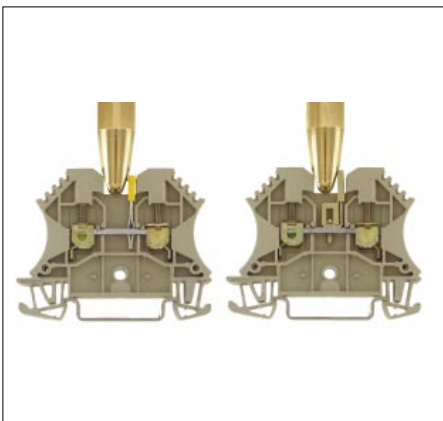
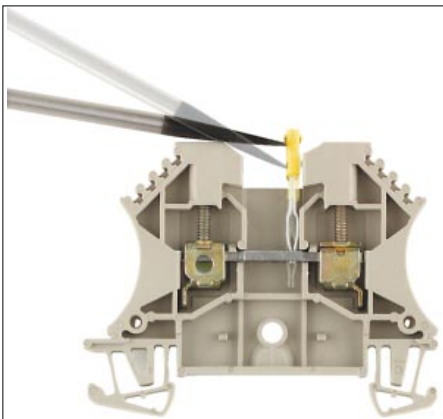
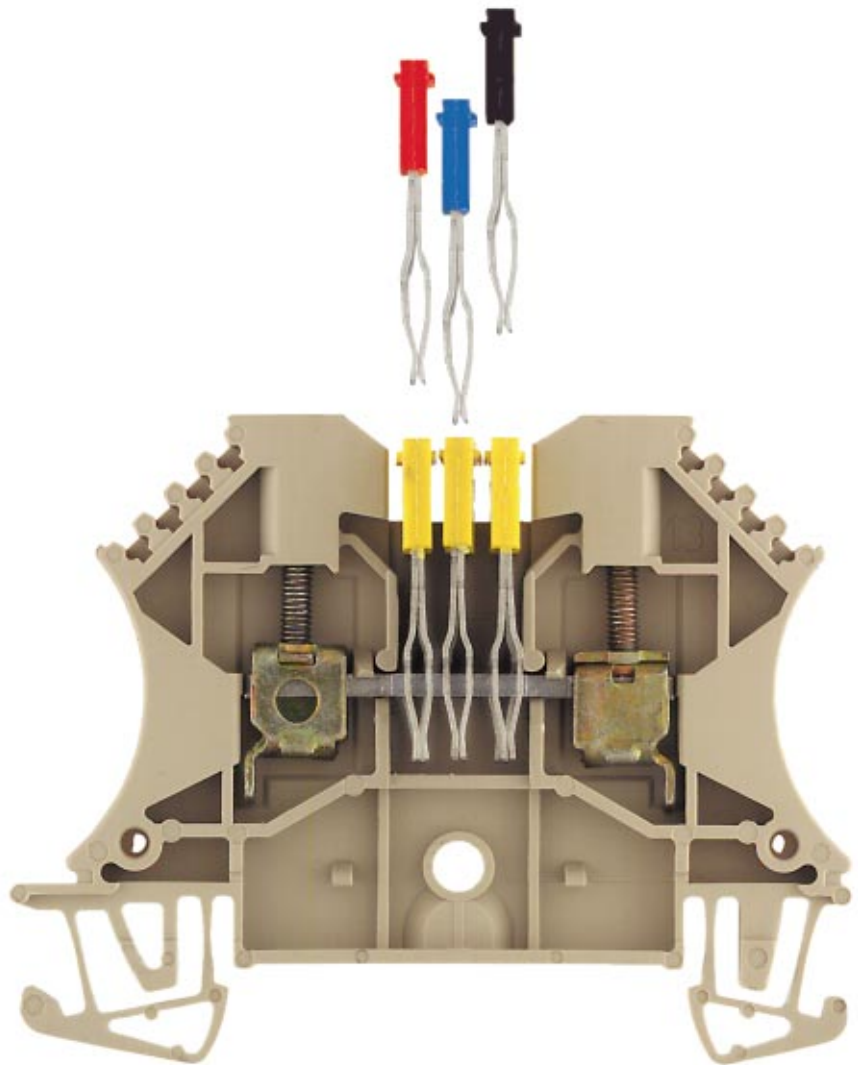
Cat.No. 102230

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

Cat. No. 102000

40 %

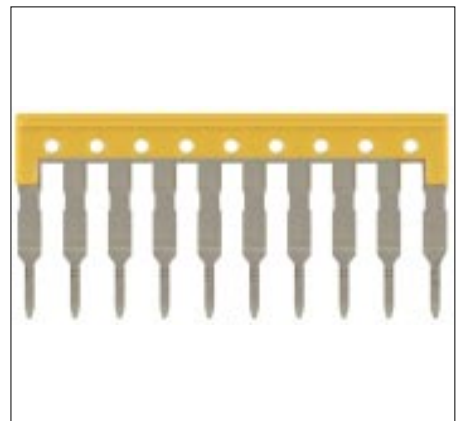
of all terminal blocks are cross-connected.
Considerable assembly time saving



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

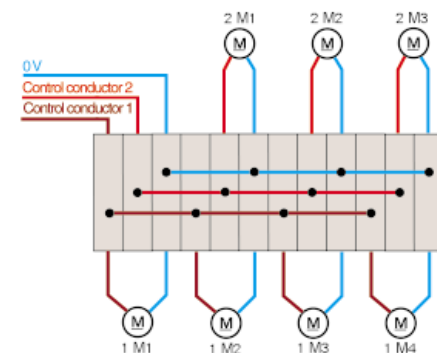
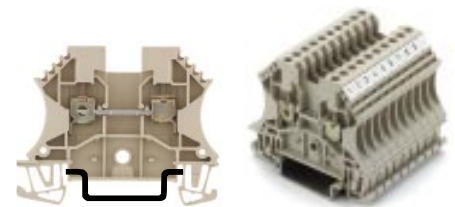


Contact elements can be removed
by hand, so that several terminals
can be skipped

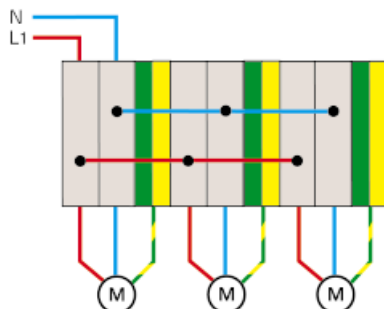
Feed-through Terminals

WDU 2.5

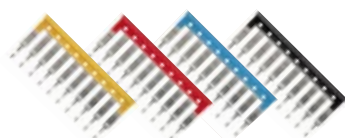
WDU 2.5/10



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

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

¹⁾ When using the outer cross connection holes

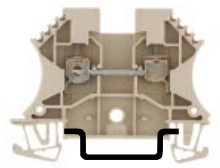
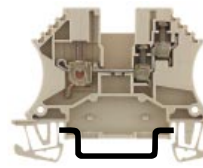
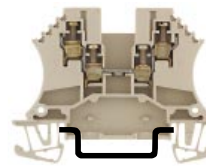
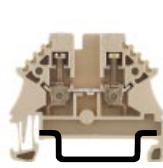
Feed-through terminal blocks

WDU 2.5N WDU 2.5N/10/BEZ

WDU 1.5/ZZ

WDU 2.5/1.5/ZR

WDU 2.5 WDU 2.5/10/BEZ



Max. Technical Data

Dimension	
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	

26 A/2,5 mm ²
5/44/37,5
10 mm/M 2,5/3,5 x 0,6
500 V/24 A/2,5 mm ²
6 kV/3

26 A/2,5 mm ²
5/60/47
7 mm/M 2,5/3,5 x 0,6
690 V/17,5 A/1,5 mm ²
8 kV/3

32 A/4 mm ²
5/60/47
10/7 mm/M 2,5/3,5 x 0,6
690 V/24/17,5 A/2,5/1,5 mm ² **
8 kV/3

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

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	

0,4...0,7
1

0,4...0,7
1

0,4...0,7
1

0,4...0,8
1

Clampable conductor

solid H07V-U	mm ²
stranded H07V-R	mm ²
flexible H07V-K	mm ²
flexible H07V-K and AEH DIN 46 228/1	mm ²
flexible H07V-K and AEH with plastic insul. collar	mm ²
Max. Clamping Range in mm ²	Gauge pin to 947-1
Continuous current rating	WQV/ZQV 2–5-pole A
of cross-connection	WQV/ZQV 6–10-pole A

0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5 ¹⁾
0,13...4
24/–
24/–

0,5...2,5
1,5...2,5
0,5...1,5
0,5...1,5
0,5...1,5 ¹⁾
0,08...2,5
32/24
32/24

0,5...4/2,5**
1,5...4/2,5**
0,5...4/1,5**
0,5...2,5/1,5**
0,5...2,5/1,5** ¹⁾
0,13...4/0,08...2,5
32/24
32/24

0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5 ¹⁾
0,13...4
32/24
32/24

UL / CSA rated data

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

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

300 V/10 A/22...14 AWG
300 V/10 A/26...14 AWG

300 V/20/15 A/22...12 AWG
300 V/20/15 A/26...12/14 AWG

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

Ordering data

Version

Wemid	
Blue Wemid	
Orange PA	
Terminal block printed 1–9 Wemid	
Terminal block unprinted* Wemid	

Type	Cat. No.	Qty.
WAP-WDU 2.5N	106000	50
WAP-WDU 2.5N	106008	50
TW (1,5)	019186	20

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

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

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

End plate/partition

WAP (thickness 1.5 mm) Wemid	
Blue Wemid	
WTW	
Blue Wemid	
Frame WDK 2.5	

Type	Cat. No.	Qty.
WAP-WDU 2.5N	106000	50
WAP-WDU 2.5N	106008	50
TW (1,5)	019186	20

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

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

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

Cross-connection

WQV	WQB 8/24	Screen lug LS 2.8	2-pole
			3-pole
			4-pole
			10-pole
	ZQV 2.5N		

WQV 2.5/2	Qty.
105366	50
WQV 2.5/3	Qty.
105376	50
WQV 2.5/4	Qty.
105386	50
WQV 2.5/10	Qty.
105446	20
WQB B/24	Qty.
157906	20

ZQV 2.5N Qty.	WQV 2.5 Qty.
169380	60
169381	60
169382	60
169388	20
WQB B/24	157906
LS 2.8	105640

ZQV 2.5N Qty.	WQV 2.5 Qty.
169380	60
169381	60
169382	60
169388	20
WQB B/24	157906
LS 2.8	105640

ZQV 2.5N Qty.	WQV 2.5 Qty.
169380	60
169381	60
169382	60
169388	20
WQB B/24	157906
LS 2.8	105640

Notching tool WAW 1 for WQV

Test adapter

WTA	TA 1
	Strain relief

WAW 1	Qty.
900450	–
WTA 1	Qty.
163229	50
WTA 1/ZA	Qty.
163230	50
WTA 1/10	Qty.
163231	5
ZE 1	Qty.
163215	50

WAW 1	Qty.
900450	–
WTA 2	Qty.
163232	50
WTA 2/ZA	Qty.
163233	50
WTA 2/10	Qty.
163234	5
ZE 1	Qty.
163215	50

WAW 1	Qty.
900450	–
WTA 2	Qty.
163232	50
WTA 2/ZA	Qty.
163233	50
WTA 2/10	Qty.
163234	5
ZE 1	Qty.
163215	50

WAW 1	Qty.
900450	–
WTA 2	Qty.
163232	50
WTA 2/ZA	Qty.
163233	50
WTA 2/10	Qty.
163234	5
ZE 1	Qty.
163215	50

Test plug/socket

PS 2.3	StB 8.5
--------	---------

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

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

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

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

Abdeckungen

WAD with symbol
WAD white
for self-labeling

WAD 4	Qty.
107200	50
WAD 4 white	Qty.
107210	50

WAD 4	Qty.
107200	50
WAD 4 white	Qty.
107210	50

WAD 4	Qty.
107200	50
WAD 4 white	Qty.
107210	50

WAD 5	Qty.
105346	50
WAD 5 white	Qty.
105606	50

Group marking

T 5	WGB
-----	-----

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

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

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

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

Marking tags

Print

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS DEK	Printed

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

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

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

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

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

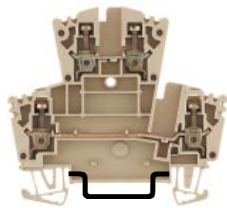
* With unprinted dekafix marking strips

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

** Twin connection

WDK 2.5
WDK 2.5/10/BEZ

400 V

26 A/2,5 mm²

5/69/63

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

400 V/24 A/2,5 mm²

6 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

32/-

32/-

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

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

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

Type Cat. No. Qty.

WAP **105910** 20WAP **105918** 20WTW **105880** 20WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WQB A/24 **157900** 20LS 2.8 **105640** 50WAW 1 **900450** -TA 1 **053586** 20AD 3 **048540** -HP 3 **048576** 20WAD 4 **107200** 50WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 5 **047346** -DEK 5 **047356** -WS 8/5 **164074** -WS 8/5 **158008** -**WDK 2.5**
800 V26 A/2,5 mm²

6/69/63

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

800 V/24 A/2,5 mm²

8 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

32/-

32/-

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

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

 Cat. No. Qty.**102910** 100

Type Cat. No. Qty.

WAP **105910** 20WAP **105918** 20WTW **105880** 20Q 2 **036900** 50Q 3 **036910** 50Q 4 **036920** 50Q 10 **036930** 20LS 2.8 **105640** 50TA 1 **053586** 20AD 3 **048540** -HP 3 **048576** 20WAD 4 **107200** 50WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 5 **047346** -DEK 5 **047356** -WS 8/5 **164074** -WS 8/5 **158008** -**WDK 2.5 V**24 A/2,5 mm²

5/69/63

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

400 V/24 A/2,5 mm²

6 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

32/-

32/-

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

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

 Cat. No. Qty.**102230** 100

Type Cat. No. Qty.

WAP **105910** 20WTW **105880** 20WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WQB A/24 **157900** 20LS 2.8 **105640** 50WAW 1 **900450** -TA 1 **053586** 20AD 3 **048540** -HP 3 **048576** 20WAD 4 **107200** 50WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 5 **047346** -DEK 5 **047356** -WS 8/5 **164074** -WS 8/5 **158008** -**WDK 2.5 DU-PE**24 A/2,5 mm²/-/

5/69/63

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

400 V/-/24 A/-/2,5 mm²

6 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

32/-

32/-

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

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

 Cat. No. Qty.**103640** 100

(Beige Wemid with divided current bar below)

Type Cat. No. Qty.

WAP **105910** 20WTW **105880** 20WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WQB A/24 **157900** 20WAW 1 **900450** -TA 1 **053586** 20AD 3 **048540** -HP 3 **048576** 20WAD 4 **107200** 50WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 5 **047346** -DEK 5 **047356** -WS 8/5 **164074** -WS 8/5 **158008** -**WDK 2.5 E**
WDK 2.5 E GET.SCH.

Terminal blocks for electrical components



Terminal blocks with electrical components see section 3

-/2,5 mm²

5/69/63

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

-/2,5 mm²

-/

0,4...0,7

1

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

32/-

32/-

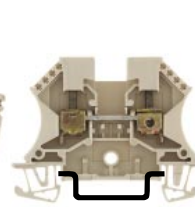
300 V/20 A/22...12 AWG

-

 Cat. No. Qty.**102320** 100**102310** 100

(Beige Wemid with divided current bar below)

Type Cat. No. Qty.

WAP **105910** 20WAP **105918** 20WTW **105880** 20Frame (5 mm) **107400** 20WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WQB A/24 **157900** 20LS 2.8 **105640** 50WAW 1 **900450** -TA 1 **053586** 20AD 3 **048540** -HP 3 **048576** 20WAD 4 **107200** 50WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 5 **047346** -DEK 5 **047356** -WS 8/5 **164074** -WS 8/5 **158008** -**WDU 4**
WDU 4/10/BEZ46 A/6 mm²

6/60/47

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

800 V/32 A/4 mm²

8 kV/3

0,5...1,0

2

0,5...6

1,5...6

0,5...6

0,5...4

0,5...4

0,13...6

A 4

46

46

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

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

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

Type Cat. No. Qty.

WAP 2.5-10 **105000** 50WAP 2.5-10 **105008** 50WTW 2.5-10 **105010** 20WTW 2.5-10 **105018** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20LS 2.8 **105640** 50WAW 1 **900450** -WTA 3 **163235** 50WTA 3/ZA **163236** 50WTA 3/10 **163237** 5ZE 1 **163215** 50PS 2.3 (ø 2,3) **018040** 20StB 8.5 (ø 2,3) **028060** 50WAD 5 **105346** 50WAD 5 white **105606** 50WGB 5 **105076** 50T 5 **034850** 100SF 10 **033240** 1000SG 10 **033250** 1000DEK 6 **046866** -DEK 6 **047356** -WS 12/6 **160990** -WS 12/6 **144766** -

2

Feed-through terminal blocks

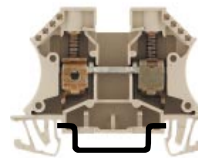
WMA 4/5
WMA 4/4



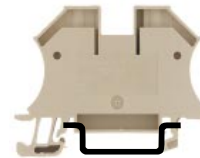
WDU 6
WDU 6/10/BEZ



WDU 10



WDU 16N

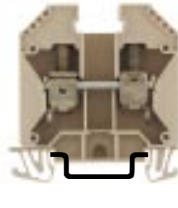


Max. Technical Data				46 A/6 mm ²				63 A/10 mm ²				85 A/16 mm ²				82 A/25 mm ²											
Dimension																											
Width/length/height (mm)				With TS 35 x 7.5 				60/60/47				8/60/47				10/60/47				12/60/47							
Insulation stripping length/clamping screw/screwdriver blade								10 mm/M 3/3,5 x 0,6				12 mm/M 3,5/4,0 x 0,8				12 mm/M 4/5,5 x 1,0				12 mm/M 4/5,5 x 1,0							
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1																											
Rated voltage/rated current/rated cross-section								800 V/32 A/4 mm ²				800 V/41 A/6 mm ²				1000 V/57 A/10 mm ²				400 V/76 A/16 mm ²							
Rated impulse voltage/pollution severity								8 kV/3				8 kV/3				8 kV/3				6 kV/3							
Further technical data																											
Tightening torque range				Nm				0,5...1,0				0,8...1,6				1,2...2,4				1,2...2,4							
Torque setting with DMS2 electric screwdriver								2				3				4				4							
Clampable conductor																											
solid H07V-U				mm ²				0,5...6				0,5...10				1,5...16				1,5...16							
stranded H07V-R				mm ²				1,5...6				1,5...10				1,5...16				1,5...25							
flexible H07V-K				mm ²				0,5...6				0,5...10				1,5...16				1,5...16							
flexible H07V-K and AEH DIN 46 228/1				mm ²				0,5...4				0,5...6				1,5...16				1,5...16							
flexible H07V-K and AEH with plastic insul. collar				mm ²				0,5...4				0,5...6				1,5...16				1,5...16							
Max. Clamping Range in mm ²				Gauge pin to 947-1				Size				0,5...10				1,31...16				1,5...25							
Continuous current rating				WQV/ZQV				2-pole				A				85				76							
of cross-connection				WQV/ZQV				3–10-pole				A				63				57 (3 + 4-pole)							
UL / CSA rated data																											
Voltage / current / conductor size				UL				600 V/35 A/22...10 AWG				600 V/45 A/20...8 AWG				600 V/60 A/16...6 AWG				-							
Voltage / current / conductor size				CSA				600 V/35 A/26...10 AWG				600 V/45 A/20...8 AWG				600 V/65 A/16...6 AWG				-							
Ordering data				Version				 Cat. No. Qty.				 Cat. No. Qty.				 Cat. No. Qty.				 Cat. No. Qty.							
				Wemid								102020 50				102030 50				103610 50							
				Blue Wemid								102028 50				102038 50				103618 50							
				Terminal block printed 1–9 Wemid								102140 10															
				Terminal block unprinted* Wemid								102130 10															
				Motor connection block (L1, L2, L3, PE) Wemid																							
				Motor connection block (L1, L2, L3, N, PE) Wemid																							
End plate/partition				Type				Cat. No. Qty.				Type				Cat. No. Qty.				Type				Cat. No. Qty.			
				WAP (thickness 1.5 mm) Wemid				WAP 2.5-10 105000 50				WAP 2.5-10 105000 50				WAP 2.5-10 105000 50											
				Blue Wemid				WAP 2.5-10 105008 50				WAP 2.5-10 105008 50				WAP 2.5-10 105008 50											
				WTW				WTW 2.5-10 105010 20				WTW 2.5-10 105010 20				WTW 2.5-10 105010 20				WTW EX 105880 20							
				Blue Wemid				WTW 2.5-10 105018 20				WTW 2.5-10 105018 20				WTW 2.5-10 105018 20											
Cross-connection				WQV WQB 8/24				WQV 4/2 105196 50				WQV 6/2 105236 50				WQV 10/2 105256 50				WQV 16N/2 163656 50							
								WQV 4/3 105456 50				WQV 6/3 105476 50				WQV 10/3 105496 50				WQV 16N/3 163657 50							
								WQV 4/4 105466 50				WQV 6/4 105486 50				WQV 10/4 105506 50				WQV 16N/4 163658 50							
								WQV 4/10 105206 20				WQV 6/10 105226 20				WQV 10/10 105246 20											
				Screen lug LS 2.8				LS 2.8 105640 50				LS 2.8 105640 50				LS 2.8 105640 50											
				Notching tool WAW 1 for WQV				WAW 1 900450 –				WAW 1 900450 –				WAW 1 900450 –				WAW 1 900450 –							
Test adapter				WTA 3				WTA 3 163235 50				WTA 5/1 105126 25				WTA 5/1 105126 25											
				WTA 3/ZA				WTA 3/ZA 163236 50																			
				WTA 3/10				WTA 3/10 163237 5																			
				ZE 1				ZE 1 163215 50																			
Test plug/socket				PS 2.3				PS 2.3 (ø 2,3) 018040 20				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				StB 8.5 (ø 2,3) 028060 50				StB 8.5 (ø 2,3) 028060 50				StB 8.5 (ø 2,3) 028060 50				StB 8.5 (ø 2,3) 028060 50							
Abdeckungen				WAD 5				WAD 5 105346 50				WAD 8				WAD 8 105356 50				WAD 12 N				WAD 12 N 107320 50			
				WAD 5 white				WAD 5 white 105606 50				WAD 8 white				WAD 8 white 105616 50				WAD 12 N white				WAD 12 N white 107329 50			
Group marking				T 5				WGB 5 105076 50				WGB 8 105096 50				WGB 8 105096 50											
																											
				Tag carrier				T 5 034850 100				T 5 034850 100				T 5 034850 100				T 5 034850 100							
				für S 10 markers				SF 10 033240 1000				SF 10 033240 1000				SF 10 033240 1000				SF 10 033240 1000							
								SG 10 033250 1000				SG 10 033250 1000				SG 10 033250 1000				SG 10 033250 1000							
Marking tags				Print				FW 6				FW 8				FW 5				DEK 5							
				Consecutive horizontal				FS 6 047356 –				FS 8 128966 –				FS 5 047356 –				DEK 5 047356 –							
				Consecutive vertical				WS 12/6 160990 –				WS 12/6,5 160992 –				WS 12/6,5 160992 –				WS 12/6,5 160992 –							
				Blank				WS 12/6 144766 –				WS 12/6,5 156895 –				WS 12/6,5 156895 –				WS 12/6,5 156895 –							
				Printed																							
For further accessories see section 3. further marking material see section 8																											

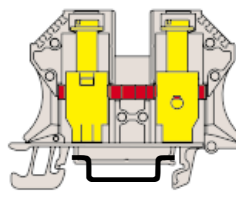
WDU 16



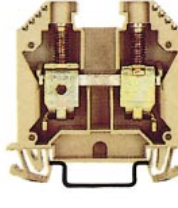
WDU 16/ZA*



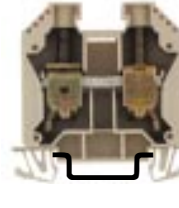
WDU 35N



WDU 35



WDU 35/ZA*



WDU 70N

100 A/25 mm²

12/60/63

16 mm/M 5/5,5 x 1,0

1000 V/76 A/16 mm²

8 kV/3

2,0...4,0

-

1,5...16

1,5...25

1,5...25

1,5...16

1,5...16

1,5...25

85

63

600 V/70 A/14...6 AWG

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

Type	Cat. No.	Qty.
	102040	50
	102048	50

100 A/25 mm²

12/60/63

16 mm/M 5/5,5 x 1,0

1000 V/76 A/16 mm²

8 kV/3

2,0...4,0

-

1,5...16

1,5...25

1,5...25

1,5...16

1,5...16

1,5...25

85

63

600 V/70 A/14...6 AWG

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

Type	Cat. No.	Qty.
	102890	50
	102898	50

- / -

16/66/51

18 mm/M 6/5,5 x 1,0

400 V/125 A/35 mm²

6 kV/3

2,5...5,0

-

2,5...16

2,5...50

2,5...35

2,5...35

2,5...35

2,5...50

115

100

-

-

Type	Cat. No.	Qty.
	104040	25
	104048	25

168 A/50 mm²

16/60/63

18 mm/M 6/5,5 x 1,0

1000 V/125 A/35 mm²

8 kV/3

5,0 / 5,0...6,0**

-

2,5...16

2,5...50

2,5...35

2,5...35

2,5...35

2,5...50

138

112

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

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

Type	Cat. No.	Qty.
	102050	25
	102058	25

168 A/50 mm²

16/60/63

18 mm/M 6/5,5 x 1,0

1000 V/125 A/35 mm²

8 kV/3

5,0 / 5,0...6,0**

-

2,5...16

2,5...50

2,5...35

2,5...35

2,5...35

2,5...50

138

112

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

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

Type	Cat. No.	Qty.
	102880	25
	102888	25

207 A/95 mm²

20,5/75/86

22 mm/M 8/5 6 DIN 6911

1000 V/192 A/70 mm²

8 kV/3

6,0...12

-

10...16

10...95

10...70

10...70

10...70

10...95

192

192 (3-pole)

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

600 V/205 A/8...2/0AWG

Type	Cat. No.	Qty.
	951219	10
	951242	10

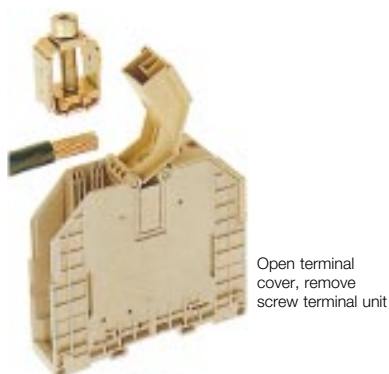
Large size conductors no longer have to be inserted into the clamping point with force; they can simply be placed in the terminal block.

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.

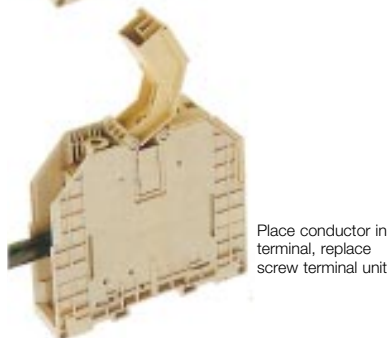
Slots provided in the underside of the terminals enable direct fitting. Terminal blocks can be screwed directly to mounting plates with 25 mm pitch.

Further advantages are:

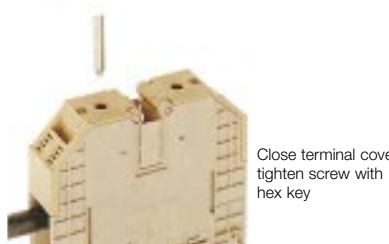
- Constant force transmission by self-adjusting connection system
- Random wiring direction
- Safe from finger-touch (VBG 4), even with cross-connection fitted
- Extreme distortion resistance



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	Cat. No.	Qty.
Hexagon socket 6 mm	Green Wemid	102460	10
Hexagon socket 6 mm	Terminal block* 3-pole Wemid	102468	10
Hexagon socket 6 mm	Terminal block* 4-pole Wemid	102465	10
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		
		Type	Cat. No.
		WQV 70/2	106350
		WQV 70/3	106360

Cover



Yellow

White

Test plug



Fixing screw



For direct assembly

Hexagon key

Screwdriver for direct assembly 1 x 5.5 x 125



Marking tags

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

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

* Terminal block for direct assembly only

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

250 A/95 mm²

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

1000 V/232 A/95 mm ²
8 kV/3

6...12
-

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

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

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

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

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

WZAD 70	106600	10
WFL 70/95	161633	10

WAD 27		
with warning tag	106286	10

WAD 27		
without warning tag	106296	10

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

M 6x16	106370	20
--------	---------------	----

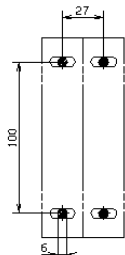
Hex. key	040790	-
6 mm to DIN 6911		

SD	902450	-
----	---------------	---

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

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

WDU 70/95/...

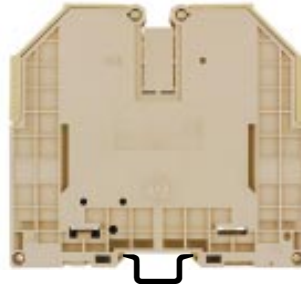


Drilling plan for direct mounting
250 A/95 mm²



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

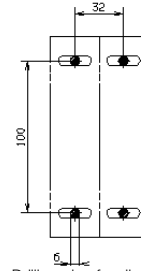
WDU 120/150



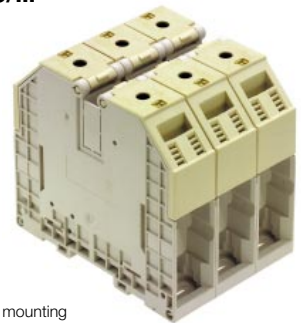
335 A/150 mm²

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

WDU 120/150/...



Drilling plan for direct mounting
335 A/150 mm²



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

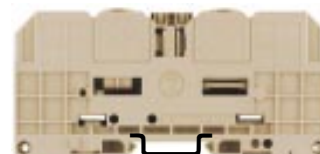
Tab connection terminals



WFF 35



WFF 70



Max. Technical Data		168 A/50 mm ²	250 A/95 mm ²
Dimensions			
Width/length/height (mm)	without WAH	27/107/54	32/132/63
Width/length/height (mm)	with WAH	27/136/60	32/179/71,5
Bolt size	M	6	8
VDE rated data, 0611, Part 1/8.92 / IEC 947-7-1			
Rated voltage/rated current/rated cross-section		1000 V/125 A/35 mm ²	1000 V/192 A/70 mm ²
Rated impulse voltage/pollution severity		8 kV/3	8 kV/3
Further technical data			
Tightening torque range	Nm	3.0...6.0	6.0...12
Clampable conductor			
Cable lug DIN 46235	mm ²	6...25	16...70
Cable lug DIN 46234	mm ²	2,5...50	2,5...120
2 x cable lug DIN 46235	mm ²	6...25	16...70
2 x cable lug DIN 46234	mm ²	2,5...35	2,5...70
Strips	mm	3 x 13 x 0,5	2 x 15,5 x 0,8 4 x 20 x 1
Strips	mm	6 x 13 x 0,5	4 x 15,5 x 0,8
Strips	mm	2 x 15,5 x 0,8	6 x 15,5 x 0,8
Max. Connection Area in mm ²		2,08...50	2,08...120
Gauge for flat connections to EN 50043 Size		C 4	C 6
Continuous current rating of cross-connection 2-pole		A 135	207
Continuous current rating of cross-connection 3-pole		A 135	207
UL / CSA rated data			
Voltage/current/conductor size		UL 600 V/115 A/14...2 AWG	600 V/175 A/14...2/0 AWG
Voltage/current/conductor size		CSA 600 V/130 A/14...2 AWG	600 V/170 A/14...2/0 AWG
Ordering data		Version	Cat. No.
		Wernid	102830
		Blue Wernid	102838
		Wernid	102930
		Wernid	102940
Partition (thickness 2 mm)		Type	Cat. No.
		WTW WFF 35	106710
Cross-connection			
WQL 		WQL 2/35	106490
		WQL 3/35	106540
Auxiliary / control conductor terminal			
		WZAF 35	107050
Cover			
 Beige PA 66		WAH 35	106446
		WAH 35 BL	106448
		WAH 35 HG	106445
		WAP*	106970
Warning sign			
 Yellow, Self-adhesive		WD 1	156390
		Qty. = 5 cards with 6 labels on each	
Screwdriver / Fixing screw			
 For direct assembly		M 6 x 16	106370
		Screwdriver	902450
Cupal washers			
 For aluminium conductors		CPSB M 6	015620
Marking tags			
Consecutive horizontal		DEK 5	047346
Consecutive vertical		DEK 5	047356
Blank		WS 12/6,5	160992
Printed		WS 12/6,5	156895

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

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

WFF 120

335 A/150 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)	Cat. No.	Qty.
Type	102865	4
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	-

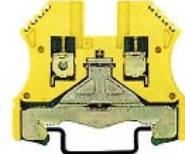
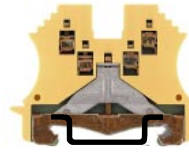
Protective conductor terminal blocks

WPE 2.5N

WPE 1.5/ZZ

WPE 2.5

WPE 2.5/1.5/ZR



Dimensions

Width/length/height (mm)	With TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
VDE rated data, 0611, Part 3/11.89 Rated voltage / current	
for PEN / cross-section	
Rated voltage/impulse voltage/pollution severity adjacent terminal	

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
AWG conductor	No.
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size

Ordering data

	Green/yellow Wemid
--	--------------------

Support block¹⁾

Marking tags

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed



5/54/37,5
10 mm/M 2,5/3,5 x 0,6

- V/- A/2,5 mm ²
500 V/6 kV/3

0,4...0,7
1/1

0,5...4
1,5...4
0,5...4
0,5...4
0,5...2,5 ⁵⁾
26...12
0,13...4 A 3

	Cat. No.	Qty.
	101620	100

Type	Cat. No.	Qty.
SH 2	049492	10

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

5/60/47
7 mm/M 2,5/3,5 x 0,6

- V/- A/1,5 mm ²
690 V/8 kV/3

0,4...0,7
1/1

0,5...2,5
1,5...2,5
0,5...1,5
0,5...1,5
0,5...2,5 ⁵⁾
26...14
0,08...2,5 A 1

	Cat. No.	Qty.
	101650	100

Type	Cat. No.	Qty.
SH 2	049492	10

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

5/60/47
10 mm/M 2,5/3,5 x 0,6

- V/- A/2,5 mm ²
800 V/8 kV/3

0,4...0,7
1/1

0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5 ⁵⁾
26...12
0,13...4 A 3

	Cat. No.	Qty.
	101000	100

Type	Cat. No.	Qty.
SH 2	049492	10

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

5/60/47
10/7 mm/M 2,5/3,5 x 0,6

- V/- A/2,5/1,5 mm ²
690 V/8 kV/3

0,4...0,7
1/1

0,5...4/2,5
1,5...4/2,5
0,5...4/1,5
0,5...2,5/1,5
0,5...2,5/1,5 ⁵⁾
26...12/14
0,13...4/0,08...2,5 A 3/A 1

	Cat. No.	Qty.
	101640	100

Type	Cat. No.	Qty.
SH 2	049492	10

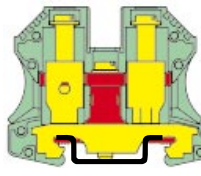
DEK 5	047346	-
DEK 5	047356	-
WS 12/5	160986	-
WS 12/5	144746	-

WPE 10

WPE 16N

WPE 16

WPE 35N



Dimensions

Width/length/height (mm)	With TS 35 x 7.5
Insulation stripping length/clamping screw/screwdriver blade	
VDE rated data, 0611, Part 3/11.89 Rated voltage / current	
for PEN / cross-section	
Rated voltage/impulse voltage/pollution severity adjacent terminal	

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
AWG conductor	No.
Max. Clamping Range in mm ²	Gauge pin to 947-1 Size

Ordering data

	Green/yellow Wemid with hexagon socket
--	--

Support block¹⁾

Marking tags

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed



10/60/47
12 mm/M 4/5,5 x 1,0

- V/57 A/10 mm ²
800 V/8 kV/3

1,2...2,4/0,5...1,0*
3/2

1,5...16
1,5...16
1,5...16
1,5...16
1,5...16
16...8
1,31...16 B 6

	Cat. No.	Qty.
	101030	50

Type	Cat. No.	Qty.
SH 2	049492	10

External	WQB-PEN 10	106030	10
DEK 8	127696	-	
DEK 8	128966	-	
WS 12/6,5	160992	-	
WS 12/6,5	156895	-	

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

- V/76 A/16 mm ²
400 V/6 kV/3

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

1,5...16
1,5...25
1,5...16
1,5...16
1,5...16
14...6
1,5...25 B 7

	Cat. No.	Qty.
	101910 ³⁾	50

Type	Cat. No.	Qty.
SH 2	049492	10

Internal	WQV 16N-PEN	107136 ⁴⁾	10
DEK 8	127696	-	
DEK 8	128966	-	
WS 12/6,5	160992	-	
WS 12/6,5	156895	-	

12/60/63
16 mm/M 5/5,5 x 1,0

- V/76 A/16 mm ²
800 V/8 kV/3

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

1,5...16
1,5...16
1,5...16
1,5...16
1,5...16
14...6
1,5...25 B 7

	Cat. No.	Qty.
	101040	50

Type	Cat. No.	Qty.
SH 2	049492	10

External	WQB-PEN 16	106020	10
DEK 8	127696	-	
DEK 8	128966	-	
WS 12/6,5	160992	-	
WS 12/6,5	156895	-	

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

- V/125 A/35 mm ²
400 V/6 kV/3

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

2,5...16
2,5...50
2,5...35
2,5...35
2,5...35
2,5...50 B 9

	Cat. No.	Qty.
	171774	25

Type	Cat. No.	Qty.
SH 2	049492	10

External	WQB-PEN 35N	107950	10
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⁾ For insulated arrangement of mounting rails in totally insulated systems
²⁾ Insertable link in a TN C distribution network between N terminal (WDU blue) and PE terminal (WPE)

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

⁵⁾ Ferrules with optimum diam. for terminals with 5 mm pitch: Cat. No. 133310
⁶⁾ Using 35 mm² with 5 Nm tightening torque

WDK 2.5 PE



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

WDK 2.5 DU-PE**



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

WPE 4



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

WPE 6



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

WPE 35



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

WPE 70N



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

WPE 70/95



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

WPE 120



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

* applies to centre screw

** see also page 2/7

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

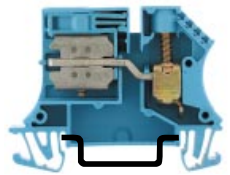
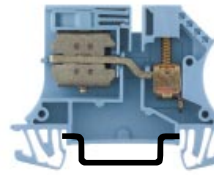
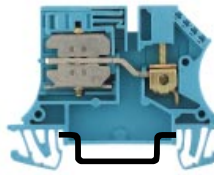
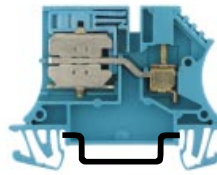
Isolating neutral terminal blocks

WNT 2.5

WNT 4

WNT 6

WNT 10



Max. Technical Data

Dimensions

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

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data, 0611 Part 5 / 5.84

Rated voltage/rated current/rated cross-section

Rated voltage/impulse voltage/pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

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

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

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

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

Version

For 10x3 busbars Blue Wemid

For 10x3 busbars as equipotential bonding disconnect

beige Wemid

(VDE 0107)

32 A/4 mm²

5/60/47

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

400 V/24 A/2,5 mm²

400 V/6 kV/3

0,4...0,8

1

0,5...4

1,5...4

0,5...4

0,5...2,5

0,5...2,5¹⁾

0,13...4 A 3

41 A/6 mm²

6/60/47

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

400 V/32 A/4 mm²

400 V/6 kV/3

0,5...1,0

2

0,5...6

1,5...6

0,5...6

0,5...4

0,13...6 A 4

57 A/10 mm²

8/60/47

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

400 V/41 A/6 mm²

400 V/6 kV/3

0,8...1,6

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...10 A 5

76A/16 mm²

10/60/47

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

400 V/57 A/10 mm²

400 V/6 kV/3

1,2...2,4

4

1,5...16

1,5...16

1,5...16

1,5...16

1,31...16 B 6

End plate

Thickness 1.5 mm Blue Wemid

Beige Wemid



Support plate

für SSch 10 x 3 Blue Wemid

beige Wemid



Thickness 1.5 mm

Distance WHP-WHP max. 200 mm

Busbar 10 x 3

Topface busbar till topface TS 35 = 25.5 mm



Cu 140 A

Ms 100 A

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

Type Cat. No. Qty.

WAP 2.5-10 **105008** 50

WAP 2.5-10 **105000** 50

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105020** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105020** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105020** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105020** 20

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

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

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

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

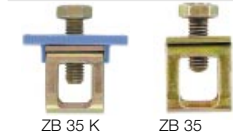
SSch 10 x 3 Cu **034890** 1 m

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

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

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

Clamping yoke



Applied input for SSch 10 x 3

16...50 mm² stranded

16...35 mm² flexible

Gauge pin to B9

ZB 35 K

ZB 35

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

ZB 35 K **050268** 20

ZB 35 **026650** 20

Test plug



PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 2.3 **018040** 20

End bracket

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

Using external link

Clampable cond. section one degree lower

Marking tags

Print



Consecutive horizontal

Consecutive vertical

Blank

Printed

DEK 5 **047346** -

DEK 5 **047356** -

WS 12/5 **160986** -

WS 12/5 **144746** -

DEK 6 **046866** -

DEK 6 **046876** -

WS 12/6 **160990** -

WS 12/6 **144766** -

DEK 8 **127696** -

DEK 8 **128966** -

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

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

DEK 8 **127696** -

DEK 8 **128966** -

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

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

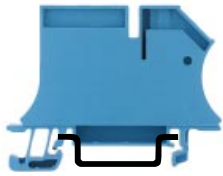
For further accessories see section 3, further marking material see section 8

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

WNT 16 N

WNT 35 N

WNT 70 N



- / -

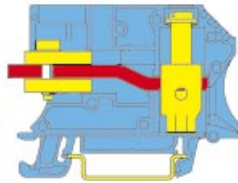
12/60/47
12 mm/M 4/5,5 x 1,0

400 V/76 A/16 mm²
400 V/6 kV/3

1,2...2,4
4

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

B 7



- / -

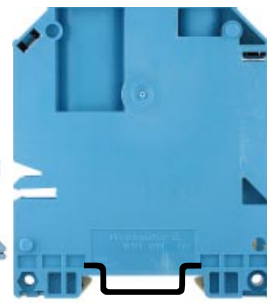
16/66/51
18mm/M 6/5,5 x 1,0

400 V/125 A/35 mm²
400 V/6 kV/3

2,5...5
-

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

B 9

207 A/95 mm²

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

400 V/192 A/70 mm²
400 V/6 kV/3

6,0...12

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

B 11

 Cat. No. Qty.
101900 50

 Cat. No. Qty.
171855 10

 Cat. No. Qty.
951221 10

Type Cat. No. Qty.

Type Cat. No. Qty.

Type Cat. No. Qty.

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

WHP 2.5-10 **105028** 20

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

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

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

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

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

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

PS 2.3 **018040** 20

PS 2.3 **018040** 20

PS 4 **029960** 20

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WEW 35 / 2 **106120** 50

WQB-PEN 16N **107960** 10

WQB-PEN 35N **107950** 10

WQB-PEN 70N **107970** 10

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047346** -

DEK 5 **047356** -

DEK 5 **047356** -

DEK 5 **047356** -

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

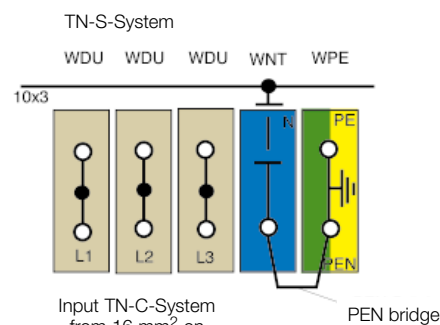
WS 12/6,5 **160992** -

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

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

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

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



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

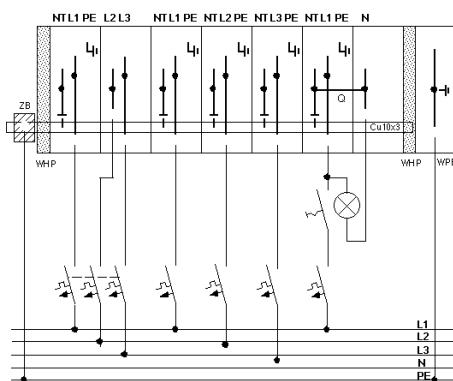
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections.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

WDL 2.5/S...

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

WDL 2.5/S/L/L

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



Terminals/accessories

Max. Technical Data

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

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

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

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

End plate



Support plate



Small partition for Q

Cross-connection (L/N/NT)



Busbar 10 x 3

Topface busbar till topface TS 35 = 25,5 mm	
Cu 140 A	
Ms 100 A	

Clamping yoke



Neutral (N) disconnect terminals

as supply terminals

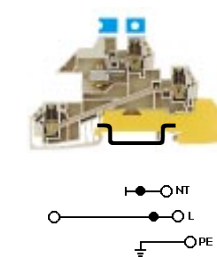
End bracket

Marking tags

Print	
DEK	Consecutive horizontal
DEK	Consecutive vertical

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

WDL 2.5/S/ NT/L/PE



32 A/4 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)

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

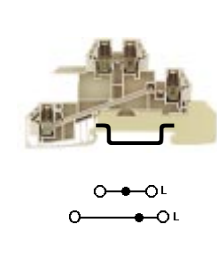
WNT 70 N 951221 10

WEW 35 / 2 106120 50

DEK 6 046866 500

DEK 6 046876 500

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

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

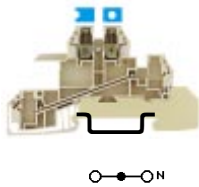
DEK 6 046876 500

WDL 2.5/S-Biöcke

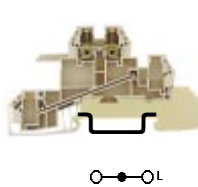
for one three-phase circuit
for three AC circuits



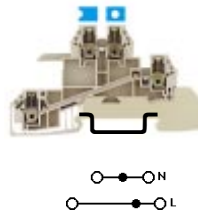
WDL 2.5/S/N



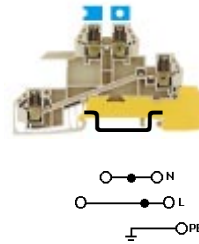
WDL 2.5/S/L



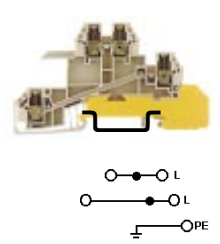
WDL 2.5/S/ N/L



WDL 2.5/S/ N/L/PE



WDL 2.5/S/ L/L/PE



32 A/4 mm²

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

250V/400V/24 A/2,5 mm²
250V/400V/4 kV/3

0,4...0,7
1

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

A 3

32 A/4 mm²

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

IEC 947-7-1
400 V/24 A/2,5 mm²
400 V/6 kV/3

0,4...0,7
1

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

A 3

32 A/4 mm²

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

IEC 947-7-1
400 V/24 A/2,5 mm²
400 V/6 kV/3

0,4...0,7
1

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

A 3

32 A/4 mm²

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

IEC 947-7-1
400 V/24 A/2,5 mm²
400 V/6 kV/3

0,4...0,7
1

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

A 3

32 A/4 mm²

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

250V/400V/24 A/2,5 mm²
250V/400 V/4 kV/3

0,4...0,7
1

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

A 3

32 A/4 mm²

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

250V/400V/24 A/2,5 mm²
250V/400 V/4 kV/3

0,4...0,7
1

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

A 3

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

	Cat. No.	Qty.
	103410	25
Block of each	103060 + 103120	
	103420	20
Block of three	103060	

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

	Cat. No.	Qty.
	103090	50
(NT-Connection coded blue)		

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

	Cat. No.	Qty.
	103130	50
(NT-Connection coded blue)		

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

	Cat. No.	Qty.
	103080	50
(NT-Connection coded blue)		

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

	Cat. No.	Qty.
	103070	50
(NT-Connection coded blue)		

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

	Cat. No.	Qty.
	103110	50
(NT-Connection coded blue)		

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

WAP WDL 2.5/S **106770** 20

WHP WDL 2.5/S **106798** 20

TSch 1 **031916** 100

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

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

ZB 35 K **050268** 50

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

WEW 35 / 2 **106120** 50

DEK 6 **046866** 500
DEK 6 **046876** 500

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

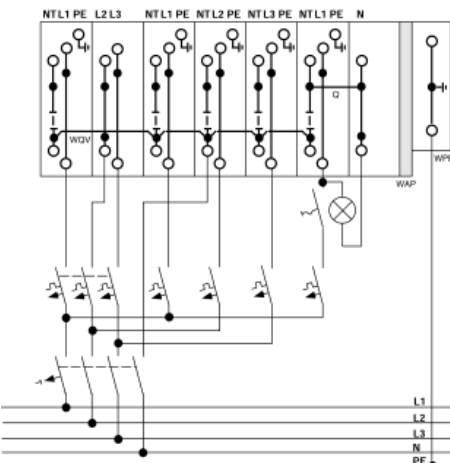
Installation specifications for power systems up to 1000 V to VDE 0100 (IEC 364) require that the installed system be subjected to an insulation measurement test. Special specifications stipulate an insulation measurement for all outgoing conductors (L 1, L 2, L 3, N) without making any disconnections.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

WDL 2.5...

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

WDL 2.5/L/L

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



Terminals/accessories

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

End plate



Small partition for Q...



Cross-connection (L, NT, N)



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



32 A

Notching tool for WQV

End bracket

Marking tags



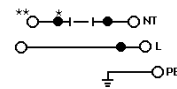
Print

Consecutive horizontal
Consecutive vertical
Blank
Printed

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** mm²
250V/400 V/4 kV/3

0,4...0,7
1

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

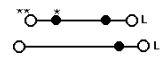
DEK 6 046866 500

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** mm²
400 V/6 kV/3

0,4...0,7
1

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

24
31

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

Cat. No. Qty.
103030 50

Type Cat. No. Qty.

WAP WDL 2.5 106780 20

TSch 1 031916 100

Q 2 107150 50

Q 3 107160 50

Q 4 107170 50

Q 10 107180 20

Q 20 107420 20

WQV 4/2 105196 50

WQV 4/3 105456 50

WQV 4/4 105466 50

WQV 4/10 105206 20

WAW 1 900450 1

WEW 35 / 2 106120 50

DEK 6 046866 500

DEK 6 046876 500

WS 8/5 164074 -

WS 8/5 158008 -

WDL 2.5/N

32 A/4 mm²

6/90/48,7

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

IEC 947-7-1

400 V/24 A/2,5/4** mm²

400 V/6 kV/3

0,4...0,7

1

0,5...4/6**

1,5...4/6**

0,5...4/6**

0,5...4/4**

0,5...4/4**

A 3/A 4**

24

32

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

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

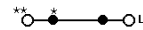
Type	Cat. No.	Qty.
	103010	50

(NT-Connection coded blue)

Type	Cat. No.	Qty.
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WAP WDL 2.5 **106780** 20TSch 1 **031916** 100Q 2 **107150** 50Q 3 **107160** 50Q 4 **107170** 50Q 10 **107180** 20Q 20 **107420** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20WAW 1 **900450** 1WEW 35 / 2 **106120** 50DEK 6 **046866** 500DEK 6 **046876** 500WS 8/5 **164074** -WS 8/5 **158008** -

WDL 2.5/L

32 A/4 mm²

6/90/48,7

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

IEC 947-7-1

400 V/24 A/2,5/4** mm²

400 V/6 kV/3

0,4...0,7

1

0,5...4/6**

1,5...4/6**

0,5...4/6**

0,5...4/4**

0,5...4/4**

A 3/A 4**

24

32

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

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

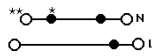
Type	Cat. No.	Qty.
	103040	50

(NT-Connection coded blue)

Type	Cat. No.	Qty.
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WAP WDL 2.5 **106780** 20TSch 1 **031916** 100Q 2 **107150** 50Q 3 **107160** 50Q 4 **107170** 50Q 10 **107180** 20Q 20 **107420** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20WAW 1 **900450** 1WEW 35 / 2 **106120** 50DEK 6 **046866** 500DEK 6 **046876** 500WS 8/5 **164074** -WS 8/5 **158008** -

WDL 2.5/N/L

31 A/4 mm²

6/90/48,7

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

IEC 947-7-1

400 V/24 A/2,5/4** mm²

400 V/6 kV/3

0,4...0,7

1

0,5...4/6**

1,5...4/6**

0,5...4/6**

0,5...4/4**

0,5...4/4**

A 3/A 4**

24

31

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

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

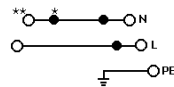
Type	Cat. No.	Qty.
	103000	50

(NT-Connection coded blue)

Type	Cat. No.	Qty.
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WAP WDL 2.5 **106780** 20TSch 1 **031916** 100Q 2 **107150** 50Q 3 **107160** 50Q 4 **107170** 50Q 10 **107180** 20Q 20 **107420** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20WAW 1 **900450** 1WEW 35 / 2 **106120** 50DEK 6 **046866** 500DEK 6 **046876** 500WS 8/5 **164074** -WS 8/5 **158008** -

WDL 2.5/N/L/PE

31 A/4 mm²

6/90/48,7

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

250V/400V/24 A/2,5/4** mm²

250V/400 V/4 kV/3

0,4...0,7

1

0,5...4/6**

1,5...4/6**

0,5...4/6**

0,5...4/4**

0,5...4/4**

A 3/A 4**

24

31 (Center supply 40A)

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

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

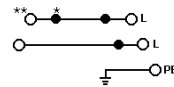
Type	Cat. No.	Qty.
	102990	50

(NT-Connection coded blue)

Type	Cat. No.	Qty.
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WAP WDL 2.5 **106780** 20TSch 1 **031916** 100Q 2 **107150** 50Q 3 **107160** 50Q 4 **107170** 50Q 10 **107180** 20Q 20 **107420** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20WAW 1 **900450** 1WEW 35 / 2 **106120** 50DEK 6 **046866** 500DEK 6 **046876** 500WS 8/5 **164074** -WS 8/5 **158008** -

WDL 2.5/L/L/PE

31 A/4 mm²

6/90/48,7

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

250V/400V/24 A/2,5/4** mm²

250V/400 V/4 kV/3

0,4...0,7

1

0,5...4/6**

1,5...4/6**

0,5...4/6**

0,5...4/4**

0,5...4/4**

A 3/A 4**

24

31

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

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

Type	Cat. No.	Qty.
	103020	50

(NT-Connection coded blue)

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

WAP WDL 2.5 **106780** 20TSch 1 **031916** 100Q 2 **107150** 50Q 3 **107160** 50Q 4 **107170** 50Q 10 **107180** 20Q 20 **107420** 20WQV 4/2 **105196** 50WQV 4/3 **105456** 50WQV 4/4 **105466** 50WQV 4/10 **105206** 20WAW 1 **900450** 1WEW 35 / 2 **106120** 50DEK 6 **046866** 500DEK 6 **046876** 500WS 8/5 **164074** -WS 8/5 **158008** -

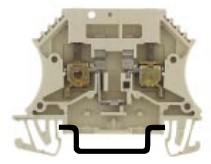
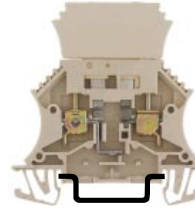
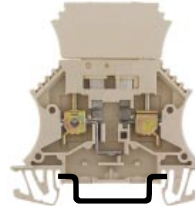
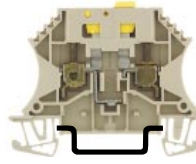
Disconnect test terminal blocks

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

Wemid	
Wemid	
Blue Wemid	
Blue Wemid	
Wemid	
Orange PA	

16 A/1,5 mm ²
5/60/49
10 mm/M 2,5/3**/3,5 x 0,6

800 V/16* A/2,5 mm ²
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 ¹⁾

0,13...4	A 3
26	

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

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

16 A/1,5 mm ²
5/60/49 + 18 für WSD
10 mm/M 2,5/3,5 x 0,6

500 V/16* A/2,5 mm ²
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 ¹⁾

0,13...4	A 3
26	

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

Type	Cat. No.	Qty.
+B-	101350	50
-K+	101360	50
with wire link	101370	50

16 A/1,5 mm ²
5/60/49 + 18 für WSD
10 mm/M 3/3,5 x 0,6

500 V/16* A/2,5 mm ²
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 ¹⁾

0,13...4	A 3
26	

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

Type	Cat. No.	Qty.
+B-	101320	50
-K+	101330	50
with wire link	101340	50

16 A/1,5 mm ²
5/60/49
10 mm/M 2,5/3**/3,5 x 0,6

800 V/16* A/2,5 mm ²
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 ¹⁾

0,13...4	A 3
26	

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

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

End plate / partition

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

Cross-connection

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

Notching tool

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

Screwdriver

SDIK	
------	--

Diode plug (spare)

-K+	
+B-	
With wire link	
Without special components	

Marking tags

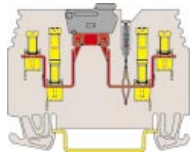
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS	Printed

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

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

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

WTR 2.5/ZZ



WDTR 2.5



WDTR 2.5/WE



WDL 2.5TR-DU-PE



WDL 2.5TR-DU



SAKC 4/35

14 A/1,5 mm²

5/60/49

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

400 V/14* A/2,5 mm²

6 kV/3

0,5...0,6

2

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5¹⁾

0,13...4

A 3

24

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

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

Cat. No. Qty.

2 StB 2,3** 103990 100

2 StB 2,3** 103998 100

Type Cat. No. Qty.

WAP WTR2.5/ZZ 107460 20

WAP WTR2.5/ZZ 107468 20

ZQV 2.5/2 160886 60

ZQV 2.5/3 160887 60

ZQV 2.5/4 160888 60

ZQV 2.5/5 160889 20

ZQV 2.5/6 160890 20

ZQV 2.5/7 160891 20

ZQV 2.5/8 160892 20

ZQV 2.5/9 160893 20

ZQV 2.5/10 160894 20

PS 2.3 (ø 2,3) 018040 20

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 8/5 164074 -

WS 8/5 158008 -

10 A/1,5 mm²

6,2/94/69

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

400 V/13* A/2,5 mm²

4 kV/3

0,5...0,6

2

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5

0,13...4

A 3

24

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

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

Cat. No. Qty.

952807 25

952808 25

Type Cat. No. Qty.

VQB 1.5/50 BL 163328 5

VQB 1.5/50 RT 163329 5

VQB 1.5/50 SW 163512 5

PS 2.3 (ø 2,3) 018040 20

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 6.5 046816 -

DEK 6.5 046826 -

WS 12/6 160990 -

WS 12/6 144766 -

*** applied for

10 A/1,5 mm²

6,2/81/69

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

400 V/10* A/2,5 mm²

4 kV/3

0,5...0,6

2

0,5...4

1,5...4

0,5...2,5

0,5...2,5

0,5...2,5

0,13...4

A 3

24

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

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

Cat. No. Qty.

952809 25

952810 25

Type Cat. No. Qty.

VQB 1.5/50 BL 163328 5

VQB 1.5/50 RT 163329 5

VQB 1.5/50 SW 163512 5

PS 2.3 (ø 2,3) 018040 20

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 6.5 046816 -

DEK 6.5 046826 -

WS 12/6 160990 -

WS 12/6 144766 -

29 A/4 mm²

6/90/48,7

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

250V/400V/24 A/2,5/4** mm²

250V/400 V/4 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0,13...4

A 3

20

40

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

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

Cat. No. Qty.

102981 50

Type Cat. No. Qty.

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

DEK 6 046866 500

DEK 6 046876 500

WS 8/5 164074 -

WS 8/5 158008 -

31 A/4 mm²

6/90/48,7

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

400 V/24 A/2,5/4** mm²

400 V/6 kV/3

0,4...0,7

1

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0,13...4

A 3

20

40

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

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

Cat. No. Qty.

102982 50

Type Cat. No. Qty.

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

DEK 6 046866 500

DEK 6 046876 500

WS 8/5 164074 -

WS 8/5 158008 -

6,5/49,5/42,5/59,5

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

400 V/25 A/4 mm²

6 kV/3

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

2/1

0,5...6

1,5...4

0,5...4

0,5...4

0,5...4

A 4

10

10

300 V/-/22...12 AWG

300 V/25 A/22...10 AWG

Cat. No. Qty.

KrG 035756 50

KrG 2StB 2,3 035766 50

Type Cat. No. Qty.

AP 017760 20

TW(1.5) 013016 20

TW(1.0) 029710 20

QB 2 048270 100

QB 3 048280 50

QB 4 048290 50

Q 25 Blank 013400 20

PS 2.3 (ø 2,3) 018040 20

DEK 6,5 046816 -

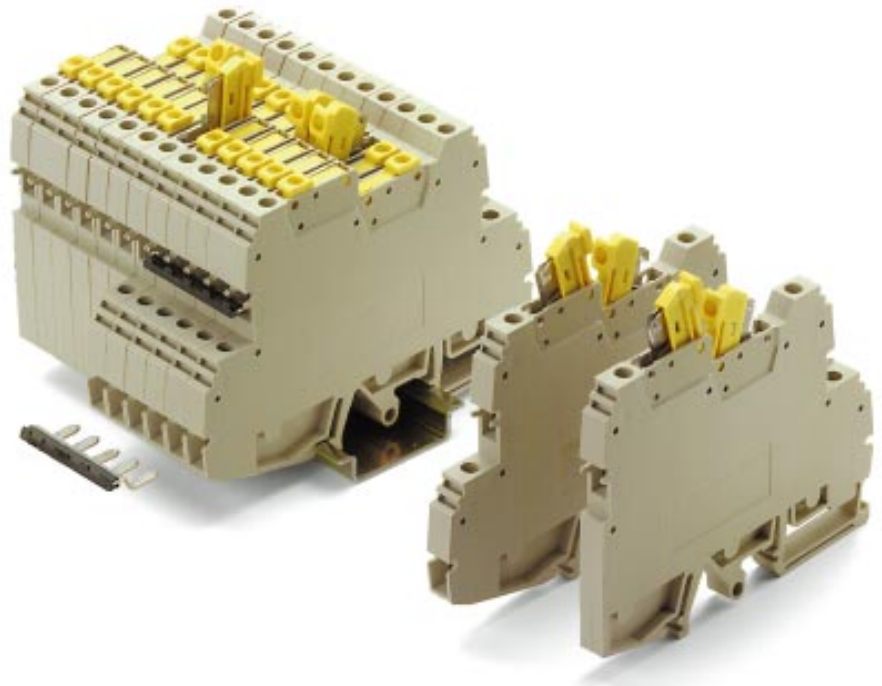
DEK 6,5 046826 -

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.



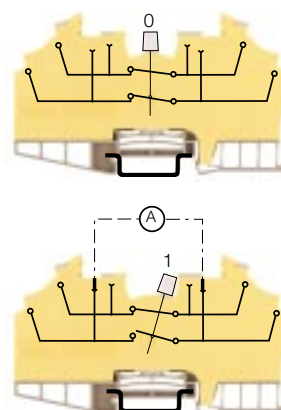
Switching examples
WDT 1.5/...
Disconnect test terminals
W series

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.

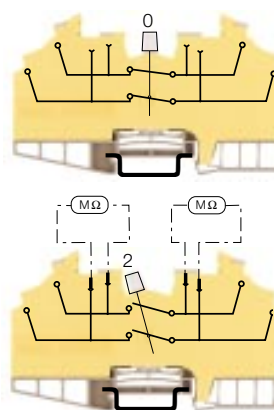
- 1 quick and reliable conductor connection thanks to TOP connection with open terminal point
- 1 test point via plug socket
- 1 clear colour coding of conductor connection, test point and switch position
- 1 non-symmetrical shape enhances mounting rail orientation
- 1 high distortion stiffness thanks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

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

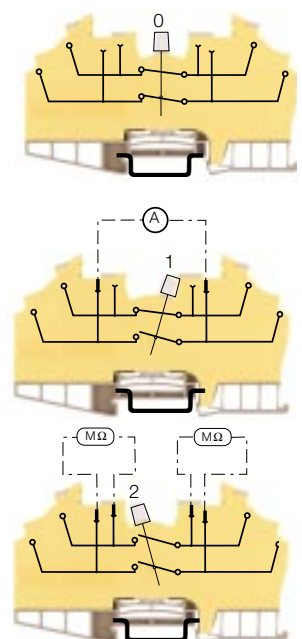
WDT 1.5/1
with space-saving TOP connection



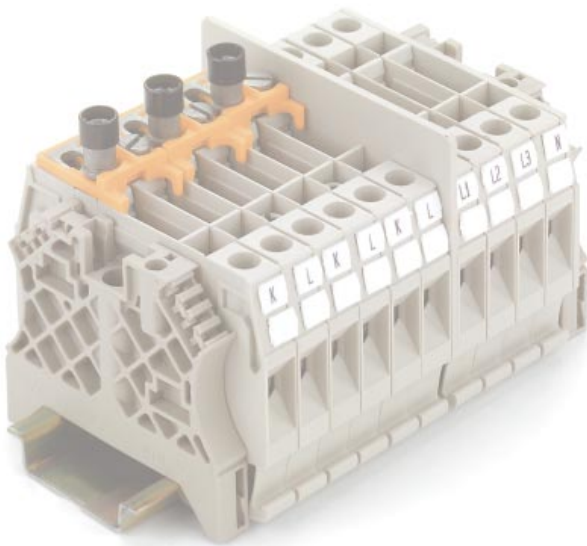
WDT 1.5/2
with space-saving TOP connection



WDT 1.5/3
with space-saving TOP connection



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

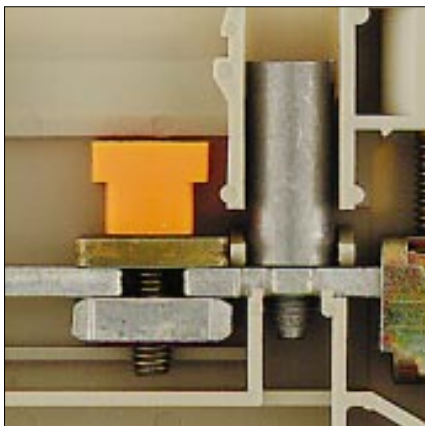


Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

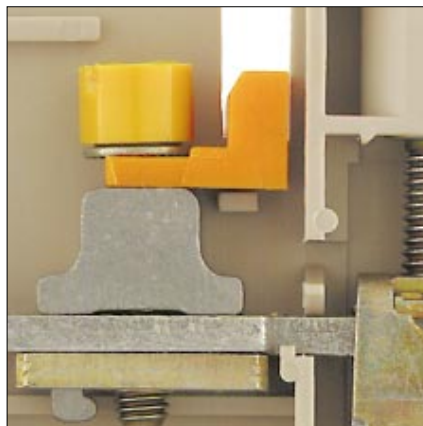
Various easy and cost-effective wiring solutions

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.

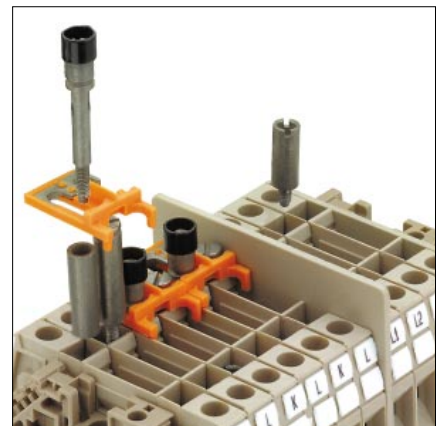
Examples: simple current transformer circuits, transformer test sets, etc.



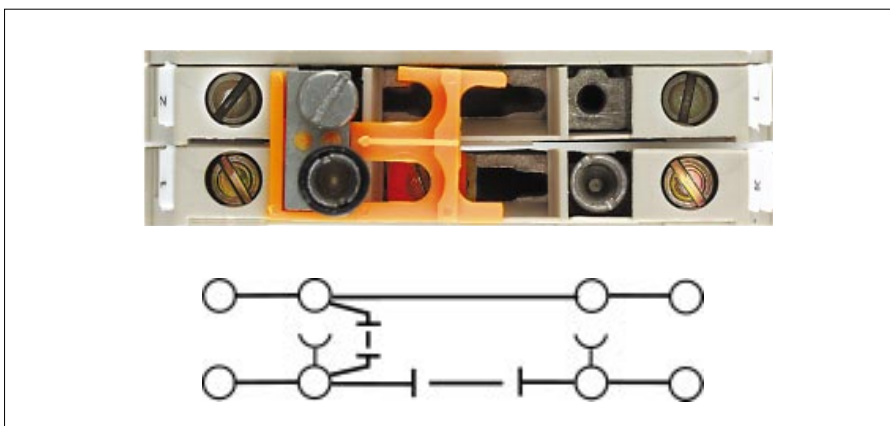
Slide linck that are easy to apply



Safe cross-connections



Standard accessories



1 cross-connection slider per terminal



2 DEK-labels per connection point

The New Generation of Current Transformer Terminals

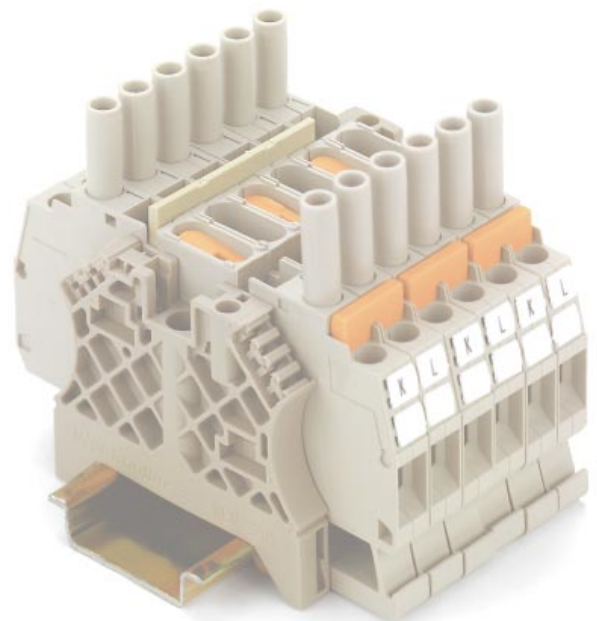
WTL 6/2

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.

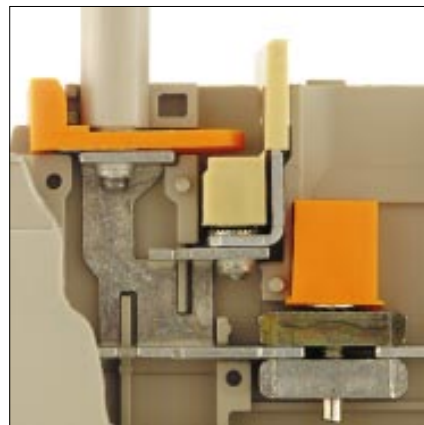
The WTL 6/3 terminal is the safe-handling version of the WTL 6/2 terminal. Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.



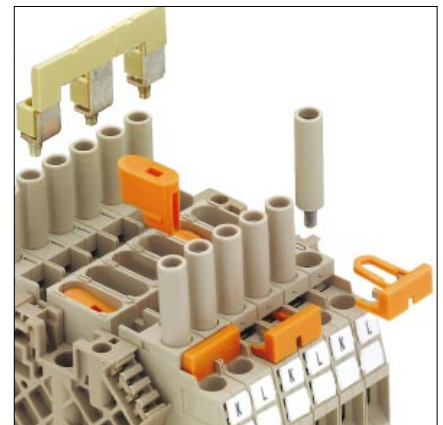
2



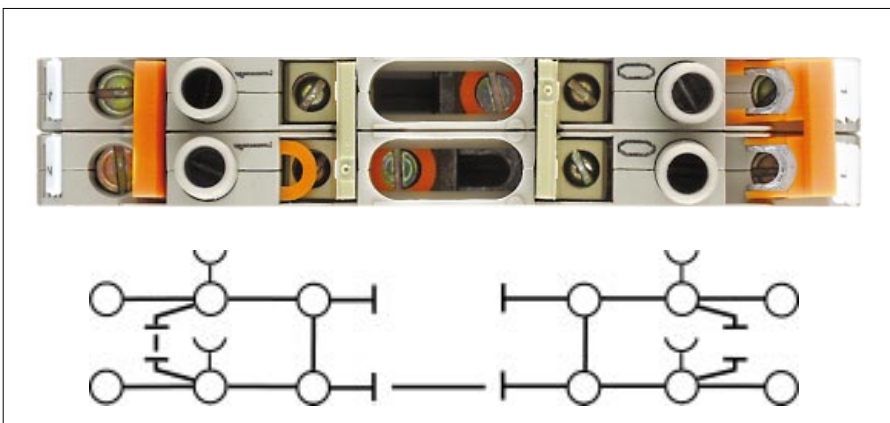
Testing points that are protected against finger-touch to VBG 4



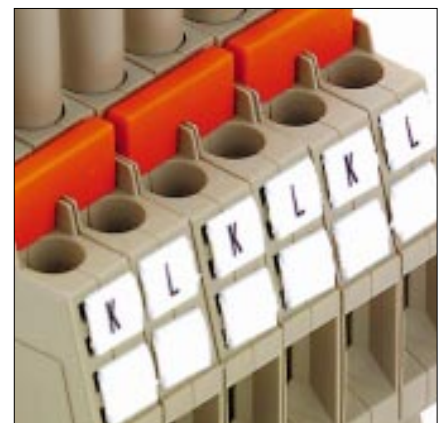
Compact construction: Slide link, cross-connection, cross-connection slider



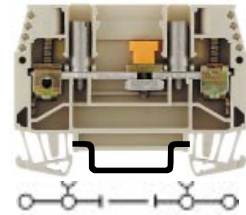
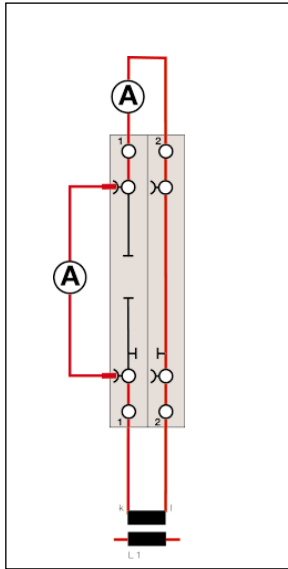
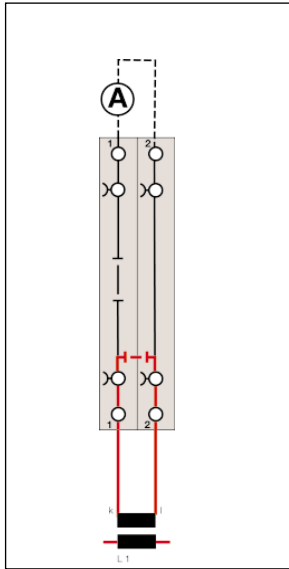
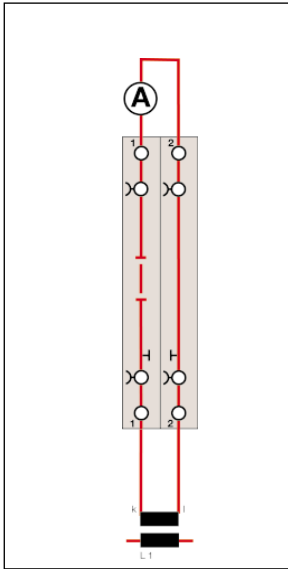
Optimised accessories for all circuit variants



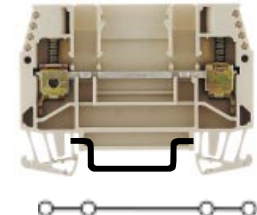
2 cross-connections sliders and 2 cross-connections per terminal



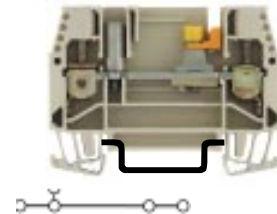
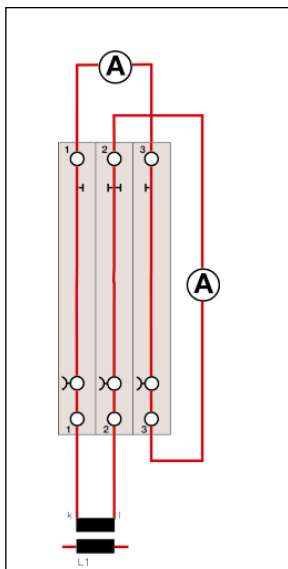
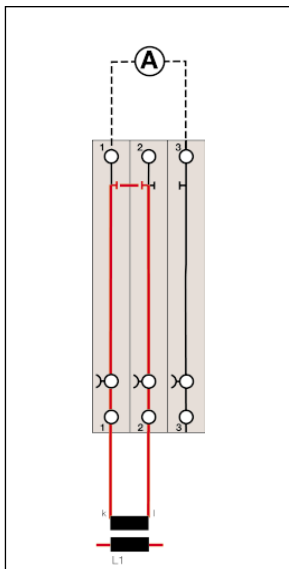
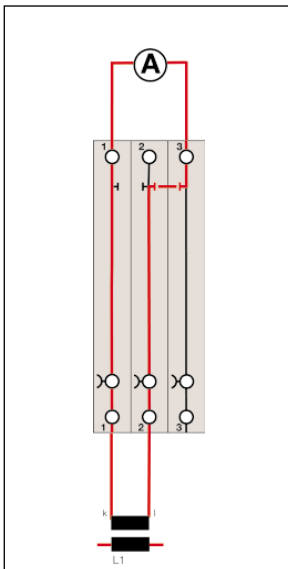
2 DEK-labels per connection point



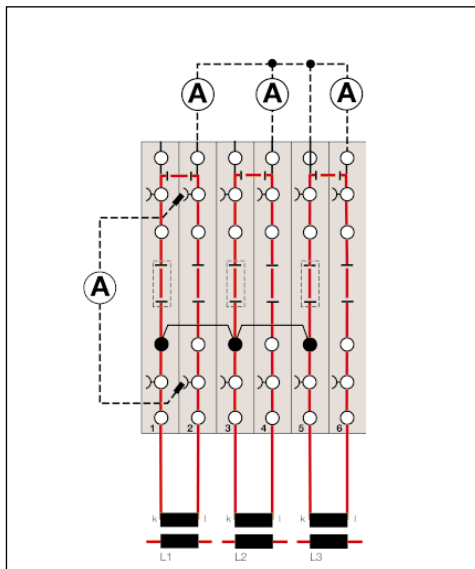
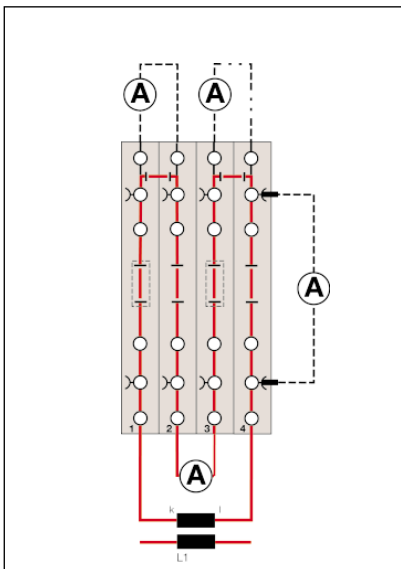
WTL 6/1/STB



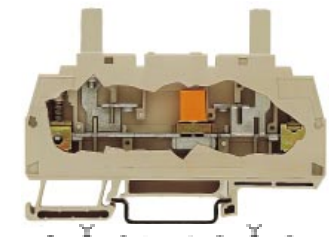
WTD 6/1



WTQ 6/1



WTL 6/2



WTL 6/3/STB

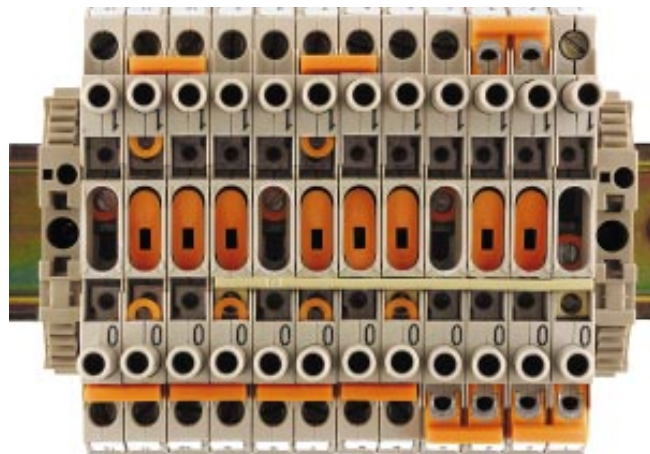
Three-phase Current Transformer Circuit with WTL 6/3/STB



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

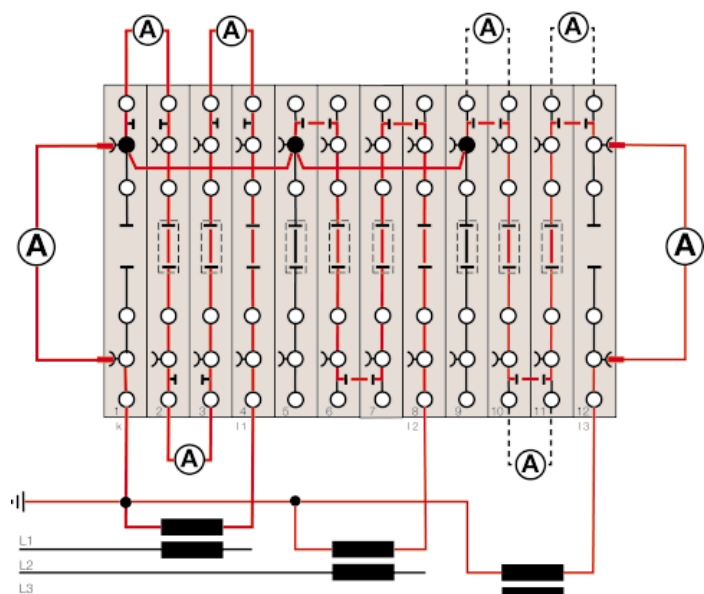
Ammeter hard-wired =>
Cross-connection slider opened
Control ammeter connected =>
Slide link opened

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



Disconnect test terminal blocks

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

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

Examples:

Simple current transformer circuits

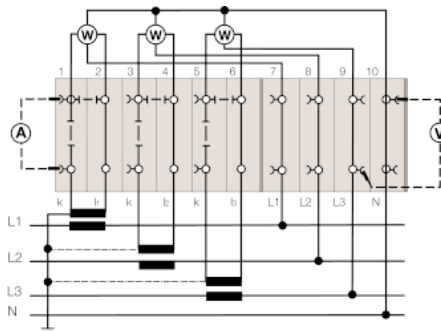
Measurement transformer test sets.

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

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

Meter test set with WTL 6/1

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



Max. Technical Data

Dimensions	
Width/length/height (mm)	mit TS 35 x 7,5
Insulation stripping length/clamping screw/screwdriver blade	
Rated data	
Rated voltage/rated current/rated cross-section	500 V**/41 A/6 mm ²
Rated impulse voltage VDE 0110/1.89 / pollution severity	6 kV/3

Further technical data

Tightening torque range	Nm
Torque setting with DMS2 electric screwdriver	3

Clampable conductor

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

Max. Clamping Range in mm ²	Gauge pin to 947-1	Size
Continuous current rating of cross-connection 2...5 -pole	A	(QL 2...5) 47
Continuous current rating of cross-connection 6...10 -pole	A	(QL 6...10) 36

UL / CSA rated data

Voltage / current / conductor size	UL	600 V/45 A/20...8 AWG
Voltage / current / conductor size	CSA	300 V/45 A/20...8 AWG

Ordering data	Type
With Socket	Wemid
Without Socket	Wemid

End plate / partition

Thickness 1,5 mm



Small partition



Cross-connections

QL 2	2-pole
QL 3	3-pole
QL 4	4-pole
QL 10	10-pole

QVS	WQV
WKS	

WKB	QVS K2
VH 12	
VH 19	

Socket

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

Disconnect lock

Prevents undesired opening of the disconnect
--

Test plug



Marking tags

DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank
WS DEK	Printed

WTL 6/1/STB

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1

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WTL 6/1

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1/STB

WTD 6/1

WTL 6/1

WTD 6/1

WTL 6/1

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WTL 6/1

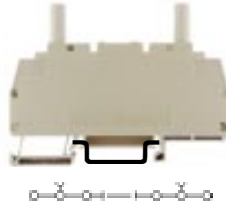
WTD 6/1

* Disconnect element ** 400 V as disconnect terminal block

WTQ 6/1

WTL 6/2

WTL 6/3/STB

57 A/10 mm²

8/65/48,2

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

	Cat. No.	Qty.
	101810	50
	101790	50

Type Cat. No. Qty.

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

8/87/61,8

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

	Cat. No.	Qty.
	101770	50

Type Cat. No. Qty.

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

8/87/61,8

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

400 V/41 A/6 mm²

6 kV/3

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

3

0,5...10

1,5...10

0,5...10

0,5...6

0,5...6

0,5...10

A 5

(QL 2...5) 47

(QL 6...10) 36

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

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

	Cat. No.	Qty.
	101860	50
	101880	50

Type Cat. No. Qty.

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

* Disconnect element

Fuse terminal blocks

Note:

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

Max. Technical Data

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

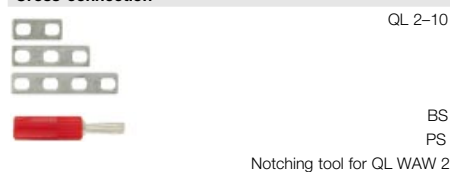
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

Ordering data	Version
	Wemid
	Wemid
	Wemid

Partition/End plate



Cross-connection



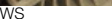
G fuse cartridges 5x25 mm with indicator²⁾

to DIN 41 576	Rated current (A):	0,2	med.blow
Rated voltage 250 V AC		0,5	med.blow
		0,8	med.blow
		1	med.blow
		10	med.blow
		2	rapid blow
		4	rapid blow
		6,3	rapid blow

G fuse cartridges 5x20 mm³⁾

to DIN 41660 IEC 127 type 1	Rated current (A):	0.20	rapid blow
Rated voltage 250 V AC		0.25	rapid blow
Switching capacity 1500 A		0.50	rapid blow
(at 250 V, 50 Hz, cos φ = 0.7)		1.0	rapid blow
		1.6	rapid blow
		2.0	rapid blow
		2.5	rapid blow
G fuse cartridges 5x30 mm		3.15	rapid blow
(500 V AC/0.032...6.3 A),		4.0	rapid blow
Available from Wickmann-Werke GmbH,		5.0	rapid blow
Annenstr. 113, 58453 Witten, Tel. +2302/6620		6.3	rapid blow

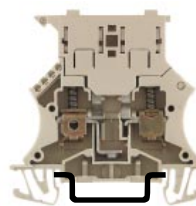
Marking tags

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

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

WSI 6

for metric fuses



6,3 A/-	
8/60/60	
12 mm/M 3,5/4,0 x 0,8	
500 V/6,3 A ²⁾ /6 mm ²	
6 kV/3	
0,8...1,6	
3	
0,5...10	
1,5...10	
0,5...10	
0,5...6	
0,5...6	
0,5...10	A 5

26		
300 V/10 A/20...8 AWG		
300 V/10 A/20...8 AWG		
	Cat. No.	Qty.
	101100	50
Dis. term. w/contact sleeve 102820		
Type	Cat. No.	Qty.
WAP	105000	50
WTW 2.5-10	105010	20
Install partition after last WSI 6		

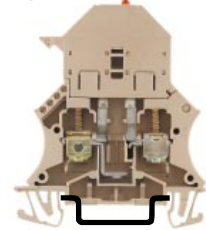
QL 2	019430	50
QL 3	019440	50
QL 4	019450	50
QL 10	033830	20
BS-M 3x5	105210	100
PS 2.3	018040	20
WAW 2	900451	-
054690	10	
051030	10	
064640	10	
026580	10	
019310	10	
019270	10	
019280	10	
019290	10	

043040	10	
043050	10	
043060	10	
043070	10	
043080	10	
043090	10	
043100	10	
043110	10	
043120	10	
043130	10	
043140	10	

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

WSI 6 LD

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



6,3 A/-	
8/60/70	
12 mm/M 3,5/4,0 x 0,8	
500 V/6,3 A ²⁾ /6 mm ²	
6 kV/3	
0,8...1,6	
3	
0,5...10	
1,5...10	
0,5...10	
0,5...6	
0,5...6	
0,5...10	A 5

26		
300 V/10 A/20...8 AWG		
300 V/10 A/20...8 AWG		
	Cat. No.	Qty.
12 V~24 V~	101130	50
20-30 V~/40-60 V~	101220	50
40-60 V~80-120 V~	101230	50
115 V~/230 V~	101240	50
Type	Cat. No.	Qty.
WAP	105000	50
WTW 2.5-10	105010	20
Install partition after last WSI 6		

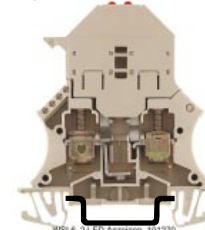
QL 2	019430	50
QL 3	019440	50
QL 4	019450	50
QL 10	033830	20
BS-M 3x5	105210	100
PS 2.3	018040	20
WAW 2	900451	-
054690	10	
051030	10	
064640	10	
026580	10	
019310	10	
019270	10	
019280	10	
019290	10	

043040	10	
043050	10	
043060	10	
043070	10	
043080	10	
043090	10	
043100	10	
043110	10	
043120	10	
043130	10	
043140	10	

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

WSI 6 2 LD

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



6,3 A/-	
8/60/70	
12 mm/M 3,5/4,0 x 0,8	
500 V/6,3 A ²⁾ /6 mm ²	
6 kV/3	
0,8...1,6	
3	
0,5...10	
1,5...10	
0,5...10	
0,5...6	
0,5...6	
0,5...10	A 5

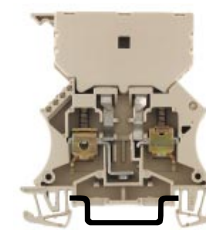
26		
300 V/10 A/20...8 AWG		
24 V/10 A/20...8 AWG		
	Cat. No.	Qty.
24 V-	101270	50
48 V-	805575	50
60 V-	813395	50
Type	Cat. No.	Qty.
WAP	105000	50
WTW 2.5-10	105010	20
Install partition after last WSI 6		

QL 2	019430	50
QL 3	019440	50
QL 4	019450	50
QL 10	033830	20
BS-M 3x5	105210	100
PS 2.3	018040	20
WAW 2	900451	-
054690	10	
051030	10	
064640	10	
026580	10	
019310	10	
019270	10	
019280	10	
019290	10	

043040	10	
043050	10	
043060	10	
043070	10	
043080	10	
043090	10	
043100	10	
043110	10	
043120	10	
043130	10	
043140	10	

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

WSI 6/2¹⁾ for inch fuses



10 A/-	
12/60/67	
12 mm/M 3,5/4,0 x 0,8	
500 V/6,3 A ²⁾ /6 mm ²	
6 kV/3	
0,8...1,6	
3	
0,5...10	
1,5...10	
0,5...10	
0,5...6	
0,5...6	
0,5...10	A 5

26		
600 V/16 A/20...8 AWG		
600 V/16 A/20...8 AWG		
	Cat. No.	Qty.
	101400	25
Type	Cat. No.	Qty.
WAP	105000	50
WTW 2.5-10	105010	20
Install partition after last WSI 6		

QL 2	047070	50
QL 3	047080	50
QL 4	047090	50
QL 10	047100	20
BS-M 3x5	105210	100
PS 2.3	018040	20
WAW 2	900451	-
054690	10	
051030	10	
064640	10	
026580	10	
019310	10	
019270	10	
019280	10	
019290	10	

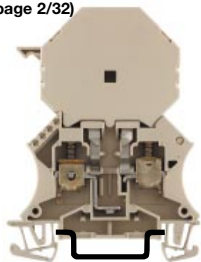
043040	10	
043050	10	
043060	10	
043070	10	
043080	10	
043090	10	
043100	10	
043110	10	
043120	10	
043130	10	
043140	10	

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

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

²⁾ Maximum power loss 1.6 W

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

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


10 A/-

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

 500 V/6,3 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

 Cat. No. Qty.
14 V-10-28 V- **101410** 25
15-30 V-30-60 V- **101420** 2540-60 V-80-120 V- **101430** 25110 V-220 V- **101440** 25

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

Install partition after

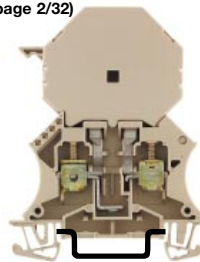
last WSI 6

Type	Cat. No.	Qty.
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** 10E 3 A **029570** 10E 5 A **029460** 10E 7 A **029580** 10E 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

 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

Type	Cat. No.	Qty.
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** 10E 3 A **029570** 10E 5 A **029460** 10E 7 A **029580** 10E 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

 Cat. No. Qty.
Wemid beige KrG **050180** 20

Neozed D 01

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

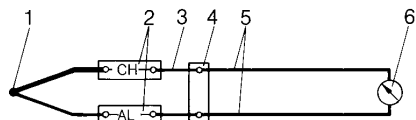
Type	Cat. No.	Qty.
QL 2	032800	20
QL 3	032810	20
QL 4	032820	20
QL 10	033900	20
BS M 4x9	010330	100
SS M 4	013	

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

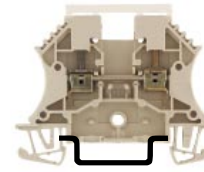
Voltage / current / conductor size	UL
Voltage / current / conductor size	CSA

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
	Consecutive vertical
WS	Blank
WS DEK	Printed

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

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

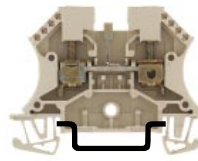
Feed-through terminals with WSA plug adaptor

WDU 4 SA

Feed-through terminals

for retrofitting electronic components

WPO 4



Max. Technical Data

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

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

Max. Technical Data

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

32 A/4 mm ²	
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

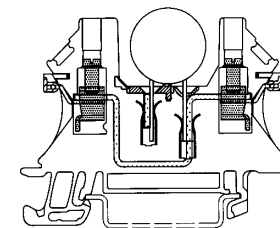
End plate	
WAP	
(Thickness 1,5 mm)	
Partition	
WTW (Thickness 1,5 mm)	
Cross-connection	
WQV	Screen lug LS 2.8
Plug adaptor WSA 2	
380 V-/10 A/1,5 mm ²	
Version with crimp connection	Green
Version with screw connection	Green
TOP-system	Green
Covers	
	3
	4
	5
	8
	10
	12

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

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

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

Barrier	
Thickness 2,5 mm	
Busbar	



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

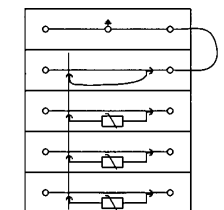
- Clarity:**
- Components are easy to distinguish.

- Flexibility:**
- Components can immediately be adapted to changed conditions

- Note:**
- Never change electronic components in energised systems

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

Type	
ZR	107110 20
SSch 7.3x1.2	107120 1 m



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

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

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

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

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 4 128196 100	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100	BLA 4 128196 100
		BLZ 2...24	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50	BLA 6 128216 50
		with lateral	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50	BLA 8 128236 50
		dovetail	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100	BLA 4 B 135626 100
		guide	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50	BLA 6 B 135646 50
			BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50	BLA 8 B 135666 50

For further Informations see Section Connectors, Page 5/92

Marking tags		Print					
DEK		Consecutive horizontal	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –	DEK 5 047346 –
DEK		Consecutive vertical	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –	DEK 5 047356 –
WS		Blank	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –	WS 12/5 160986 –
WS DEK		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

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

with LED Red

**WDU 1.5/BLZ/
R 5.08**Negative return conductor
in blue**WDK 2.5/BLZ
R 5.08**

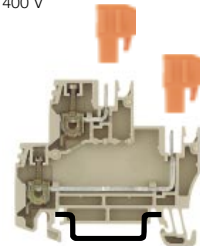
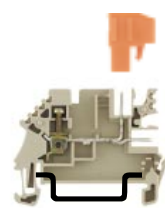
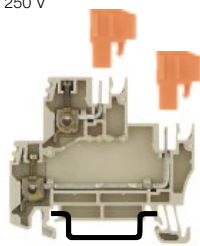
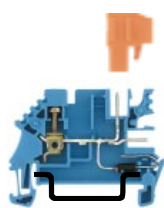
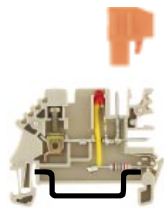
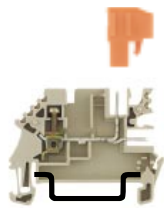
250 V

**WDU 2.5/BLZ
R 7.62**

400 V

**WDK 2.5/BLZ
R 7.62**

400 V

5.08/45,4/57,5*/45,0/55,5
10 mm/M 2,5/3,5 x 0,6250 V/10 (2x8) A/1,5 mm²
4 kV/3

0,4...0,8

1

0,5...4/4

1,5...2,5/2,5

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

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

0,5...2,5/2,5¹⁾

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

35

35

300 V/20 (2 x 10) A/26...16 AWG

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

Type	Cat. No.	Qty.
	157734	100
	159690	100

Type	Cat. No.	Qty.
With pin	157732	50
Without pin	157733	50
With pin	106826	10
Without pin	106816	10

WQV 2.5/2 **105366** 50WQV 2.5/3 **106376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WAW 1 **900450** -WAD 5/2 **157740** 20BLZ-KO **154571** 100BLZ 4 **152666** 100BLZ 6 **152686** 50BLZ 8 **152706** 50BLZ 4 B **152896** 100BLZ 6 B **152916** 50BLZ 8 B **152936** 50DEK 5 **047346** -DEK 5 **047356** -WS 12/5 **160986** -WS 12/5 **144746** -5.08/45,4/57,5*/45,0/55,5*
10 mm/M 2,5/3,5 x 0,6- V/10 (2x8) A/1,5 mm²

0,4...0,8

1

0,5...4/4

1,5...2,5/2,5

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

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

0,5...2,5/2,5¹⁾

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

35

35

300 V/20 (2 x 10) A/26...16 AWG

12...110 V/10 A/26...12 AWG

Type	Cat. No.	Qty.
	157735	100
	157736	100
	157737	100
	157738	100

Type	Cat. No.	Qty.
With pin	157732	50
Without pin	157733	50
With pin	106826	10
Without pin	106816	10

WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WAW 1 **900450** -ML-SSch **106320** 3WAD 5/2 **157740** 20BLZ-KO **154571** 100BLZ 4 **152666** 100BLZ 6 **152686** 50BLZ 8 **152706** 50BLZ 4 B **152896** 100BLZ 6 B **152916** 50BLZ 8 B **152936** 50DEK 5 **047346** -DEK 5 **047356** -WS 12/5 **160986** -WS 12/5 **144746** -5.08/45,4/57,5*/45,0/55,5*
10 mm/M 2,5/3,5 x 0,6- V/- A/1,5 mm²

0,4...0,8

1

0,5...4/4

1,5...2,5/2,5

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

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

0,5...2,5/2,5¹⁾

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

35

35

300 V/20 (2 x 10) A/26...16 AWG

-/-26...12 AWG

Type	Cat. No.	Qty.
	157739	100

Type	Cat. No.	Qty.
With pin	157732	50
Without pin	157733	50
With pin	106826	10
Without pin	106816	10

WQV 2.5/2 **105366** 50WQV 2.5/3 **105376** 50WQV 2.5/4 **105386** 50WQV 2.5/10 **105446** 20WAW 1 **900450** -ML-SSch **106320** 3WAD 5/2 **157740** 20BLZ-KO **154571** 100BLZ 4 **152666** 100BLZ 6 **152686** 50BLZ 8 **152706** 50BLZ 4 B **152896** 100BLZ 6 B **152916** 50BLZ 8 B **152936** 50DEK 5 **047346** -DEK 5 **047356** -WS 12/5 **160986** -WS 12/5 **144746** -5.08/58/53/63,5*
12 mm/M 2,5/3,5 x 0,6250 V/18²⁾ A/2,5 mm²
4 kV/3

0,4...0,8

1

0,5...4/4

1,5...2,5/2,5

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

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

0,5...2,5/2,5¹⁾

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

-

-

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

-

Type	Cat. No.	Qty.
	103440	100

Type	Cat. No.	Qty.
With pin	107010	20
Without pin	107000	20
With pin	107276	10
Without pin	107266	10

Cross-connection comb, insul.

WQB A/2 **157895** 50WQB A/3 **157896** 50WQB A/4 **157897** 50WQB A/10 **157899** 20WAD 5/2 **157740** 20BLZ-KO **154571** 100BLZ 4 **152666** 100BLZ 6 **152686** 50BLZ 8 **152706** 50BLZ 4 B **152896** 100BLZ 6 B **152916** 50BLZ 8 B **152936** 50DEK 5 **047346** -DEK 5 **047356** -WS 12/5 **160986** -WS 12/5 **144746** -7.62/45,4/57,5*/45,0/55,5
10 mm/M 2,5/3,5 x 0,6400 V/24(2x12²⁾ (2x8) A/1,5 mm²
6 kV/3

0,4...0,8

1

0,5...4/4

1,5...2,5/2,5

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

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

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

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

35

35

-

-

Type	Cat. No.	Qty.
	103890	100

Type	Cat. No.	Qty.
With pin	157732	50
Without pin	157733	50
With pin	107360	10
Without pin	107350	10

WAD 5/2 **157740** 20BLZ-KO **154571** 100BLZ 4 **162307** 100BLZ 6 **162309** 50BLZ 8 **162311** 50BLZ 4 B **162340** 100BLZ 6 B **162342** 50BLZ 8 B **162344** 50DEK 5 **047346** -

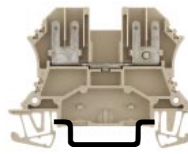
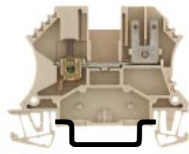
Feed-through terminal blocks

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			0,13...4			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

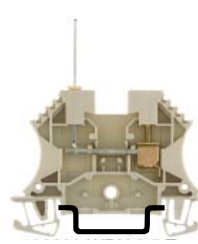
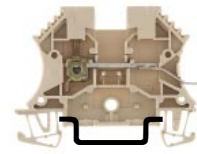
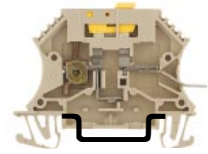
WDK 2.5 FF



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

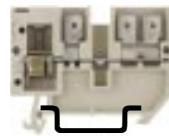
Feed-through terminals with tab connection

AST 1

AST 4

AST 5

SAK 4 S/35 SAK 4 SS/35



Dimensions

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

6,5/58/46

6,5/40/40

6,5/58/46

6,5/40/49,5

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

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

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

Rated data

Rated voltage/rated current/rated cross-section

500 V¹⁾/ - /2,5/1,0 mm²

500 V¹⁾/ - /2,5/1,0 mm²

500 V¹⁾/ - /2,5/1,0 mm²

500 V/16 A/2,5/1,0 mm²

Rated impulse voltage / pollution severity

6 kV/3

6 kV/3

6 kV/3

6 kV/3

Further technical data

Tightening torque range Nm

0,4...0,7

0,5...1,0

0,5...1,0

Torque setting with DMS2 electric screwdriver

1

2

2

Clampable conductor

solid H07V-U mm²

0,5...4

0,5...6

0,5...6

stranded H07V-R mm²

1,5...2,5

1,5...2,5

1,5...2,5

flexible H07V-K mm²

0,5...2,5

0,5...4

0,5...4

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

0,5...2,5

0,5...4

0,5...4

Gauge pin to IEC 947-1/1988 Size

A 2

A 4

A 4

Continuous current of terminal block for conductor size

Continuous current of cross-connection 2-pole A

(QL 2...10) 36

(QL 2...10) 36

(QL 2...10) 36

(QL 2...10) 36

Continuous current of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

300 V/13 A/-

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

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

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

Voltage / current / conductor size CSA

300 V/16 A/-

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

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

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

Ordering data

Version

Slotted Wemid

Unslotted Wemid

	Type	Cat. No.	Qty.
		069960	50
		066480	50

	Type	Cat. No.	Qty.
		046040	100
		047940	100

	Type	Cat. No.	Qty.
		066490	50
		069970	50

	Type	Cat. No.	Qty.
		SAK 4 S	063030 100
		(screw-/tab-connection)	
		SAK 4 SS	063040 100
		(tab-/tab-connection)	

End plate / Partition/Small partition (Thickness mm)



AP

TSch

Wemid

PA

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

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

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

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

Cross-connection



Q 3

QL

BS

2-pole	Q 2	033670	50
3-pole	Q 3	033680	50
4-pole	Q 4	033690	50
10-pole	Q 10	036880	20
25-pole			

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

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

2-pole	QL 2	013060	100
3-pole	QL 3	013070	100
4-pole	QL 4	013080	50
10-pole	QL 10	033820	20

BS M 3x4,5 **159321** 100

Plug adaptor



Only clips into PA version of AST3 and AST4

2-pole			
3-pole			
4-pole			
5-pole			
8-pole			

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

Test plug/Socket

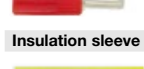
Plug test socket without using QL for TS 32

StB 14	016860	50
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StB 14	016860	50
--------	---------------	----

StB 14	016860	50
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Insulation sleeve



PS

StB

PS 2.3	018040	20
IH 2.8	038606	100
IH 6.3	038626	100

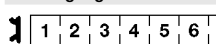
PS 2.3	018040	20
IH 2.8	038606	100
IH 6.3	038626	100

PS 2.3	018040	20
IH 2.8	038606	100
IH 6.3	038626	100

IH 2.8	038606	100
IH 6.3	038626	100

Marking tags

Print



Consecutive horizontal

Consecutive vertical

FW 6.5	046816	-
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FW 6	046866	-
------	---------------	---

FW 6.5	046816	-
--------	---------------	---

FW 6.5	046816	-
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For further accessories see section 3, further marking material see section 8

¹⁾ With insulation sleeve

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

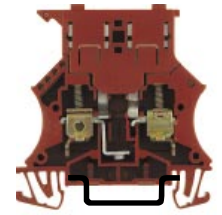
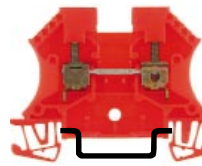
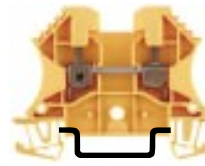
Terminal blocks coloured

WDU 2.5

WDU 4

WTR 2.5

WSI 6



Max. Technical Data

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

Further technical data

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

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

End plate / partition

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

Cross-connection

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

Notching tools:

WAW 1 for WQV

WAW 2 to notch the punch-out in the terminal moulding

Test adapter

WTA	TA 1
	Strain relief

Test plug/Socket

PS 2.3	StB 8.5

Screwdriver SDIK for StB Cat.No.: 902493

Cover

WAD with symbol

WAD white, for self-labeling

Group marking

T 5	WGB

Tag carrier for S 10 markers

Marking tags	Print
DEK	Consecutive horizontal
DEK	Consecutive vertical
WS	Blank

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

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

*** Max. power loss 1,6 W

32 A/4 mm²

5/60/47
10 mm/M 2,5/3,5 x 0,6

800 V/24 A/2,5 mm²

8 kV/3

see Page 2/5

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

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

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

ZQV 2.5N Qty. WQV 2.5 Qty.

169380	60	105366	50
169381	60	105376	50
169382	60	105386	50
169388	20	105446	20
WQB B/24		157906	20

LS 2.8 105640 50

WAW 1 900450 -

WTA 2	163232	50
WTA 2/ZA	163233	50
WTA 2/10	163234	5
ZE 1	163215	50

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

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	-

46 A/6 mm²

6/60/47
10 mm/M 3 /3,5 x 0,6

800 V/32 A /4 mm²

8 kV/3

see Page 2/7

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

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

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

WQV 4/2 105196 50

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

LS 2.8 105640 50

WAW 1 900450 -

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

PS 2.3 (ø 2,3)	018040	20
StB 8.5 (ø 2,3)	028060	50

WAD 5 105346 50

WAD 5 white 105606 50

WGB 5	105076	50
T 5	034850	100

SF 10 033240 1000

SG 10 033250 1000

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

16 A/1,5 mm²

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

800 V/16 A**/1,5 mm²

6 kV/3

see Page 2/20

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

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

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

QL 2 021580 100

QL 3	021590	100
QL 4	021600	50
QL 10	033800	20

BS-M 2,5 x 4,5 106270 100

WAW 2 900451 -

PS 2.3 (ø 2,3)	018040	20
----------------	--------	----

WAD 5 105346 50

WAD 5 white 105606 50

WGB 5	105076	50
T 5	034850	100

SF 10 033240 1000

SG 10 033250 1000

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

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

*) With wire bridge

*) Without special parts

6,3 A/-

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

500 V~/6,3 A**/6 mm²

6 kV/3

see Page 2/32

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

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

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

QL 2 019430 50

QL 3	019440	50
QL 4	019450	50
QL 10	033830	20

BS-M 3 x 5 105210 100

WAW 2 900451 -

PS 2.3 (ø 2,3)	018040	20
----------------	--------	----

WAD 5 105346 50

WAD 5 white 105606 50

WGB 5	105076	50
T 5	034850	100

SF 10 033240 1000

SG 10 033250 1000

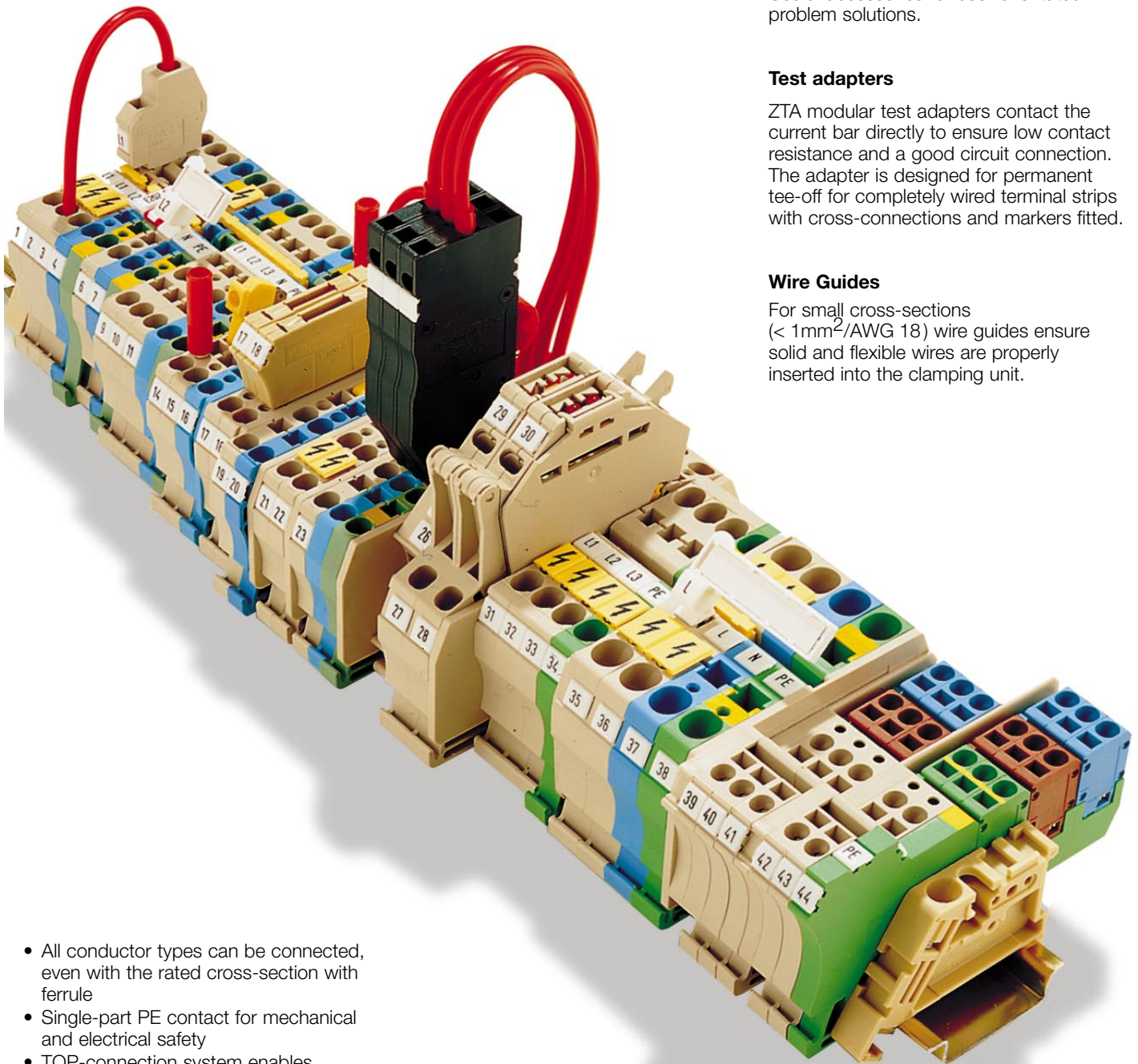
DEK 6	046866	-
DEK 6	047356	-
WS 12/6,5	160992	-

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

*) With wire bridge

*) Without special parts

Z series system advantages



Useful accessories for user-orientated problem solutions.

Test adapters

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

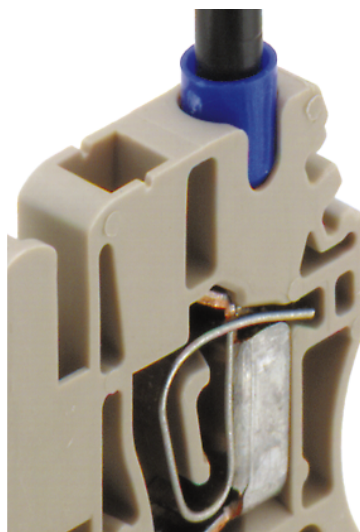
Wire Guides

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



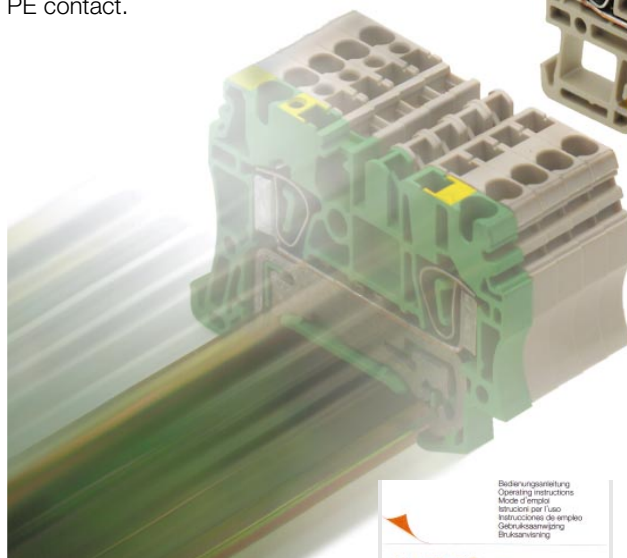
The large **terminal aperture size** (test with gauge pins according to IEC 947-1) results in space savings and installed cost advantages, as the rated cross-section with ferrules fitted is connectable.

Cross-connection system

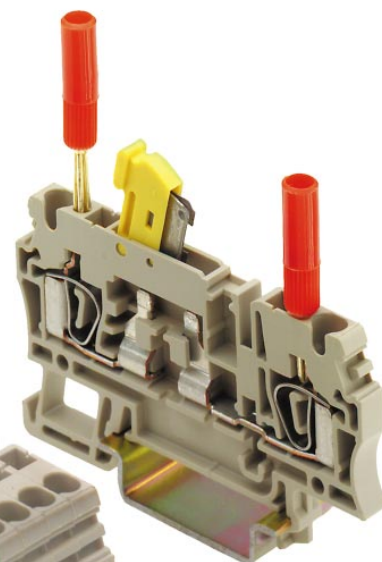
Rational wiring is possible with two to ten-pole ZQV, completely shock-hazard protected units; no small partitions or end cover plates for adjacent cross-connections are necessary. Up to forty connection points can be applied to a potential with only one cross-connection unit. The cross-connections can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

ZDU 2.5-2/3AN

ZDU 2.5-2/4AN

ZDU 2.5 ZDU 2.5/10

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



Max. Technical Data

Dimensions

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

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

Rated voltage / current / cross-section

Rated impulse voltage / pollution severity

Further technical data

Clampable conductor:

solid H07V-U mm²

flexible H07V-K mm²

with ferrule to DIN46 228/1** mm²

with ferrule with plastic insulating 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 data

Version

Beige Wemid

Blue Wemid

Orange PA

Terminal block 10-pole Wemid

Terminal block printed 1...9 Wemid

End plate / partition

Version

ZAP/TW

Beige Wemid

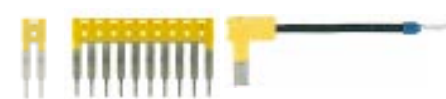
Blue Wemid

Orange PA

Cross-connection

ZQV

ZQW



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

Test adapter

Version

ZTA

Without pin

With pin

PS

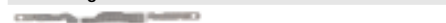
TA



Screwdriver

SD to DIN 5264-A

Screen lug



Cover

ZAD 

Group marking

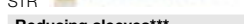
ZGB

ESO

STR

Blank snap-on tag

Transparent protective cover



Reducing sleeves***

Colour

ZRH for conductor 0,13...0,2 mm²

White

ZRH for conductor 0,25...0,5 mm²

Grey

ZRH for conductor 0,75...1 mm²

Dark grey

Marking tags

Print

DEK

DEK

ZS 10

ZS 10

Consecutive horizontal

Consecutive vertical

Blank

Printed



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

24 A/2,5 mm²

5/50,5/43

10

800 V/24 A/2,5 mm²

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5¹⁾

0,5...1,5

0,13...2,5 A2

24

24

– *

– *

Type Cat. No. Qty.

ZDU 2.5-2/3AN 170601 100

ZDU 2.5-2/3AN BL 170604 100

ZDU 2.5-2/3AN OR 170605 100

ZAP/TW7 170611 50

ZAP/TW7BL 170612 50

ZAP/TW7OR 170613 50

ZQV 2.5/2 160886 60

ZQV 2.5/3 160887 60

ZQV 2.5/4 160888 60

ZQV 2.5/5 160889 20

ZQV 2.5/6 160890 20

ZQV 2.5/7 160891 20

ZQV 2.5/8 160892 20

ZQV 2.5/9 160893 20

ZQV 2.5/10 160894 20

ZQV 2.5/50 169754 20

ZTA 4/ZA 168811 25

TA 1 053586 20

SD 0,6 x 3,5 902423 1

LS 2.8 105640 50

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZRH 1.5H/1 167881 100

ZRH 1.5H/2 167880 100

ZRH 1.5H/3 167879 100

DEK 5 047346 500

DEK 5 047356 500

ZS 10/5 161000 480

ZS 10/5 161001 480

24 A/2,5 mm²

5/50,5/43

10

800 V/24 A/2,5 mm²

8 kV/3

0,5...2,5

0,5...2,5

0,5...1,5¹⁾

0,5...1,5

0,13...2,5 A2

24

24

– *

– *

Type Cat. No. Qty.

ZDU 2.5-2/4AN 170606 100

ZDU 2.5-2/4AN BL 170607 100

ZDU 2.5-2/4AN OR 170608 100

ZAP/TW7 170611 50

ZAP/TW7BL 170612 50

ZAP/TW7OR 170613 50

ZQB 2.5 167712 50

31 A/4 mm²

5/59,5/39

10

800 V/24 A/2,5 mm²

8 kV/3

0,5...4

0,5...4

0,5...2,5

0,5...2,5

0,13...4 A3

24

24

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

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

Type Cat. No. Qty.

ZDU 2.5 160851 100

ZDU 2.5BL 160852 100

ZDU 2.5OR 163678 100

ZDU 2.5/10 162695 10

ZDU 2.5/10/BEZ 165187 10

ZAP/TW1 160874 50

ZAP/TW1BL 160875 50

ZAP/TW1OR 160876 50

ZQV 2.5/2 160886 60

ZQV 2.5/3 160887 60

ZQV 2.5/4 160888 60

ZQV 2.5/5 160889 20

ZQV 2.5/6 160890 20

ZQV 2.5/7 160891 20

ZQV 2.5/8 160892 20

ZQV 2.5/9 160893 20

ZQV 2.5/10 160894 20

ZQV 2.5/50 169754 20

ZQW 1 161143 5

ZQW 2 161144 5

ZTA 1 160904 25

ZTA 1/ZA 160905 25

PS 2.3 018040 20

PS 2.0 029380 20

TA 1 053586 20

SD 0,6 x 3,5 902423 1

ZAD 1/4 160911 20

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZRH 2.5/1 161430 100

ZRH 2.5/2 161429 100

ZRH 2.5/3 161428 100

DEK 5 047346 500

DEK 5 047356 500

ZS 10/5 161000 480

ZS 10/5 161001 480

31 A/4 mm²

5/64/39

10

800 V/24 A/2,5 mm²

8 kV/3

0,5...4

0,5...4

0,5...2,5

0,5...2,5

0,13...4 A3

24

24

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

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

Type Cat. No. Qty.

ZDU 2.5/3AN 160854 100

ZDU 2.5/3AN BL 160855 100

ZDU 2.5/3AN OR 163679 100

ZDU 2.5/3AN/10 162696 10

ZDU 2.5/3AN/10/BEZ 165188 10

ZAP/TW2 160877 50

ZAP/TW2BL 160878 50

ZAP/TW2OR 160879 50

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

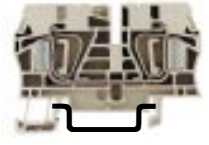
ZDU 2.5/2 x 2 AN
ZDU 2.5/2 x 2 AN/10

ZDU 2.5/2 x 2 AN/D

ZDU 2.5/2x2 AN/LD

ZDU 4
ZDU 4/10

ZDU 6
ZDU 6/10



30 A/4 mm²

5/79/39
10

800 V/24 A/2,5 mm²
8 kV/3

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

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

Type	Cat. No.	Qty.
ZDU 2.5/4AN	160857	100
ZDU 2.5/4AN BL	160858	100
ZDU 2.5/4AN OR	163680	100
ZDU 2.5/4AN/10	162697	10
ZDU 2.5/10/4AN/BEZ	165189	10

ZAP/TW3	160880	50
ZAP/TW3BL	160881	50
ZAP/TW3OR	160882	50

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

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

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

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

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

30 A/4 mm²

5/79/39
10

800 V/24 A/2,5 mm²
8 kV/3

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

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

Type	Cat. No.	Qty.
ZDU 2.5/2x2AN	160860	100
ZDU 2.5/2x2AN BL	160861	100
ZDU 2.5/2x2AN OR	163681	100
ZDU 2.5/2x2AN/10	162698	10

ZAP/TW3	160880	50
ZAP/TW3BL	160881	50
ZAP/TW3OR	160882	50

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

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

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

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

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

5/79/39
10

400 V****/1 A/2,5 mm²
6 kV/3

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

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

Type	Cat. No.	Qty.
ZDU 2.5/2x2AND+	165034	20
mit Diode + $\rightarrow$ +		
ZDU 2.5/2x2AND-	165035	20
mit Diode - $\leftarrow$ +		

ZAP/TW3	160880	50
ZAP/TW3BL	160881	50
ZAP/TW3OR	160882	50

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

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

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

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

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

5/79/39
10

24 V-/-<5 mA/2,5 mm²

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

600 V/33 A/26...10 AWG
600 V/35 A/26...10 AWG

Type	Cat. No.	Qty.
ZDU 2.5/2x2ANLD+	169259	20
mit LED rot + $\rightarrow$ +		
ZDU 2.5/2x2ANLD-	169260	20
mit LED red - $\leftarrow$ +		

ZAP/TW3	160880	50
ZAP/TW3BL	160881	50
ZAP/TW3OR	160882	50

ZQV 4/2	160895	60
ZQV 4/3	160896	60
ZQV 4/4	160897	60
ZQV 4/5	160898	20
ZQV 4/6	160899	20
ZQV 4/7	160900	20
ZQV 4/8	160901	20
ZQV 4/9	160902	20
ZQV 4/10	160903	20

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

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

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

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

41 A/6 mm²

6/62/43,5
12

800 V/32 A/4 mm²
8 kV/3

0,5...6
0,5...6
0,5...4
0,5...4
0,21...6 A4
32
32

600 V/33 A/26...10 AWG
600 V/35 A/26...10 AWG

Type	Cat. No.	Qty.
ZDU 4	163205	100
ZDU 4 BL	163206	100
ZDU 4 OR	163683	100
ZDU 4/10	163207	10
ZDU 4/10/BEZ	165190	10

ZAP/TW4	163209	50
ZAP/TW4BL	163210	50
ZAP/TW4OR	163211	50

ZQV 4/2	160895	60
ZQV 4/3	160896	60
ZQV 4/4	160897	60
ZQV 4/5	160898	20
ZQV 4/6	160899	20
ZQV 4/7	160900	20
ZQV 4/8	160901	20
ZQV 4/9	160902	20
ZQV 4/10	160903	20

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

SD 0,6 x 3,5	902423	1
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ZAD 2/4	160908	20
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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

57 A/10 mm²

8/65/45,5
13

800 V/41 A/6 mm²
8 kV/3

0,5...10
0,5...10
0,5...6
0,5...6
0,21...10 A5
41
41

600 V/45 A/22...8 AWG
600 V/50 A/20...8 AWG

Type	Cat. No.	Qty.
ZDU 6	160862	50
ZDU 6 BL	160863	50
ZDU 6 OR	163682	50
ZDU 6/10	163143	5

ZAP/TW5	160883	50
ZAP/TW5BL	160884	50
ZAP/TW5OR	160885	50

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

ZTA 3	165405	25
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TA 1	053586	20
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SD 1 x 5,5	902429	1
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ZAD 3/4	160912	20
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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 8	127696	500
DEK 8	128966	500
ZS 12/6	161002	400
ZS 12/6	161003	400

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

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

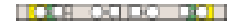
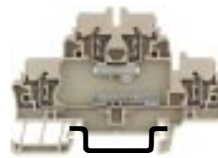
Feed-through terminal blocks and terminal blocks with electronic components

ZDK 2.5/1.5

ZDK 2.5/1.5 V

ZDK 2.5/1.5 N-DU

ZDK 2.5/1.5 DU-PE



Max. Technical Data

Dimensions											
Width / length / height (mm)	with TS 35 x 7,5 	5/79/54	5/79/54	5/79/54	5/79/54						
Insulation stripping length	mm	10	10	10	10						
VDE rated data, 0611 Part 1/8.92/IEC 947-7-1/1989											
Rated voltage / current / cross-section		500 V/24 A/2.5 mm ²	500 V/24 A/2.5 mm ²	500 V/24 A/2.5 mm ²	-- V/24 A/2.5 mm ²						
Rated impulse voltage / pollution severity		6 kV/3	6 kV/3	6 kV/3	6 kV/3						
Further technical data											
Clampable conductor:											
solid H07V-U	mm ²	0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5						
flexible H07V-K	mm ²	0.5...2.5	0.5...2.5	0.5...2.5	0.5...2.5						
with ferrule to DIN 46 228/1 ¹⁾	mm ²	0.5...1,5 ²⁾	0.5...1,5 ²⁾	0.5...1,5 ²⁾	0.5...1,5 ²⁾						
with ferrule with plastic insulating collar**	mm ²	0.5...1,5	0.5...1,5	0.5...1,5	0.5...1,5						
Max. Clamping Range in mm ² Gauge pin to IEC 947-1/1988	Size	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2	0,13...2,5 A2						
Continuous current rating of cross-connection 2-pole	A	24	24	24	24						
Continuous current rating of cross-connection multipole	A	24	24	24	24						
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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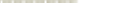
Screwdriver

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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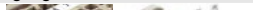
Group marking

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
		DEK	ZS											

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

¹⁾ Ferrules crimped gas-tight

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

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

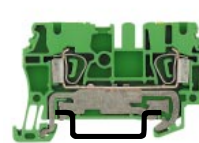
Protective conductor terminal blocks

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 Blank snap-on tag

ESO Transparent protective cover

STR



ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

ZGB 30 161193 20

ESO 7 160772 240

STR 7 051530 20

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

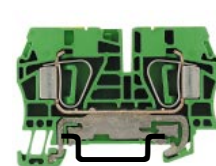
ZDK 2.5/1.5 PE

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.	Qty.	Type	Cat. No.	Qty.			
		Wemid	ZTR 2.5	160868	100	ZTR 2.5/3AN	166830	100						
		Blue Wemid	ZTR 2.5BL	160869	100	ZTR 2.5/3ANBL	167030	100						
		Orange PA	ZTR 2.5OR	163684	100	ZTR 2.5/3ANOR	167032	100						
		Without disconnect lever	ZTR 2.5/O.TNHE	160870	100	ZTR 2.5/3ANO.TNHE	167031	100						
		With diode +D+							ZTR 2.5/D+	160871	50			
		With diode -K+							ZTR 2.5/D-	160872	50			
		With wire link							ZTR 2.5/D/DRBR	160873	50			
End plate / partition		Version	ZAP/TW2	160877	50	ZAP/TW3	160880	50	ZAP/TW2	160877	50			
		Wemid	ZAP/TW2	160877	50	ZAP/TW3	160880	50	ZAP/TW2	160877	50			
		Blue Wemid	ZAP/TW2BL	160878	50	ZAP/TW3BL	160881	50	ZAP/TW2BL	160878	50			
		Orange PA	ZAP/TW2OR	160879	50	ZAP/TW3OR	160882	50	ZAP/TW2OR	160879	50			
									ZAP/TW3OR	160882	50			
Cross-connection			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
			ZQW	1	161143	5	ZQW	1	161143	5	ZQW	1	161143	5
			ZQW	2	161144	5	ZQW	2	161144	5	ZQW	2	161144	5
Test adapter/Test plugs		Version	ZTA	1	160904	25	ZTA	1	160904	25	ZTA	1	160904	25
		Without pin	ZTA	1	160904	25	ZTA	1	160904	25	ZTA	1	160904	25
		With pin	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25	ZTA 1/ZA	160905	25
			PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20	PS 2.0	029380	20
			PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20
Screwdriver		SD	0,6 x 3,5	902423	1	SD	0,6 x 3,5	902423	1	SD	0,6 x 3,5	902423	1	
Cover		ZAD	1/4	160911	20	ZAD	1/4	160911	20	ZAD	1/4	160911	20	
Reducing sleeves****		Colour	ZRH	2.5/1	161430	100	ZRH	2.5/1	161430	100	ZRH	2.5/1	161430	100
		White	ZRH	2.5/2	161429	100	ZRH	2.5/2	161429	100	ZRH	2.5/2	161429	100
		Grey	ZRH	2.5/3	161428	100	ZRH	2.5/3	161428	100	ZRH	2.5/3	161428	100
		Dark grey												
Diode plug (spare)		WSD	2.5	105856	25	WSD	2.5	105856	25	WSD	2.5	105856	25	
		+D+	WSD	2.5	105846	25	WSD	2.5	105846	25	WSD	2.5	105846	25
		-K+	WSD	2.5	105866	25	WSD	2.5	105866	25	WSD	2.5	105866	25
		With wire link	WSD	2.5	105876	25	WSD	2.5	105876	25	WSD	2.5	105876	25
		Without special components												
Group marking		ZGB	30	161193	20	ZGB	30	161193	20	ZGB	30	161193	20	
		Blank snap-on tag	ESO	7	160772	240	ESO	7	160772	240	ESO	7	160772	240
		Transparent protective cover	STR	7	051530	20	STR	7	051530	20	STR	7	051530	20
Marking tags		Print	DEK	5	047346	500	DEK	5	047346	500	DEK	5	047346	500
		Consecutive horizontal	DEK	5	047356	500	DEK	5	047356	500	DEK	5	047356	500
		Consecutive vertical	ZS	10/5	161000	480	ZS	10/5	161000	480	ZS	10/5	161000	480
		Blank	ZS	10/5	161001	480	ZS	10/5	161001	480	ZS	10/5	161001	480
		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		

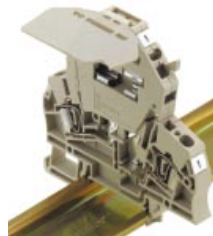
Marking tags	Print
DEK 5	Consecutive horizontal
DEK 5	Consecutive vertical
ZS 10	Blank
ZS 10	Printed
WS 10	Blank
WS 10	vertical Printed
WS 10	horizontal Printed

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 A3	0,13...4 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.	Type Cat. No. Qty.
ZSI 2.5 161640 50	ZSI 2.5 161646 25
ZSI 2.5/LD 161641 50	ZSI 2.5/2LD 161650 25
ZSI 2.5/LD 161642 50	ZSI 2.5/2LD 161649 25
ZSI 2.5/LD 161643 50	ZSI 2.5/2LD 161648 25
ZSI 2.5/LD 161644 50	ZSI 2.5/2LD 161647 25
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	ZAP TNHE/ZSI 2.5 161084 25
ZQV 6/2 162785 60	ZQS 2.5/2 163320 20
ZQV 6/3 162786 60	ZQS 2.5/3 163321 20
ZQV 6/4 162787 60	ZQS 2.5/4 163322 20
	ZQS 2.5/5 163323 20
ZTA 1 160904 25	ZTA 1 160904 25
ZTA 1/ZA 160905 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	ZGB 30 161193 20
ESO 7 160772 240	ESO 7 160772 240
STR 7 051530 20	STR 7 051530 20
DEK 5 047346 500	DEK 5 047346 500
DEK 5 047356 500	DEK 5 047356 500
ZS 10/5 161000 480	ZS 10/5 161000 480
ZS 10/5 161001 480	ZS 10/5 161001 480
WS 10/5 106086 200	WS 10/5 106086 200
WS 10/5 144706 200	WS 10/5 144706 200
WS 10/5 144716 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

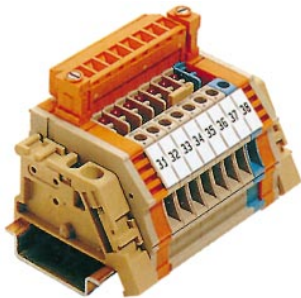
Cat.-Nr. for G-fuse inserts see Page 2/93

Modular terminal blocks for plug-in connectors

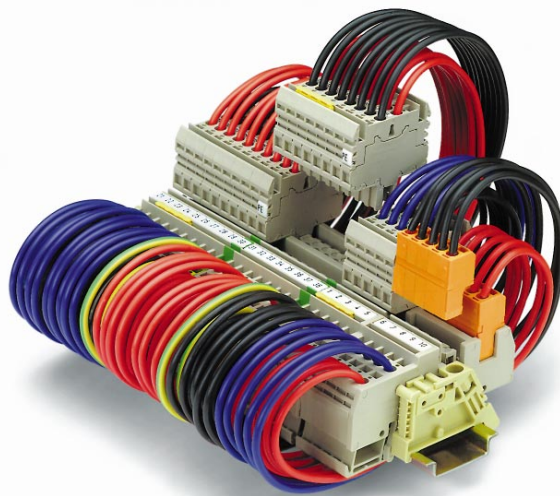
Modular functional units form the key-element for production systems constructed according to the building-block principle. Costly installation times can be reduced significantly, and sub-units can be rapidly replaced when maintenance or servicing is carried out.

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.

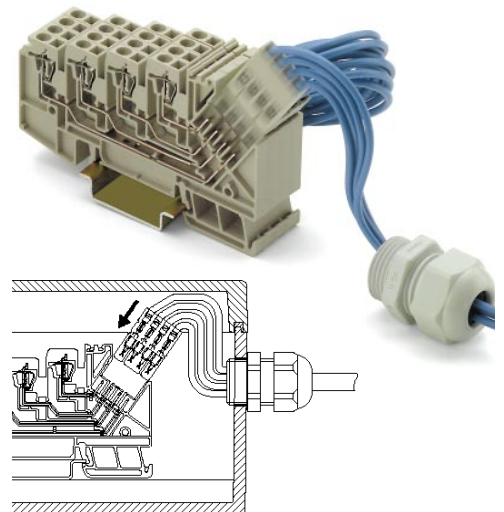
WDU 2.5/BLZ WDK 2.5/BLZ



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.

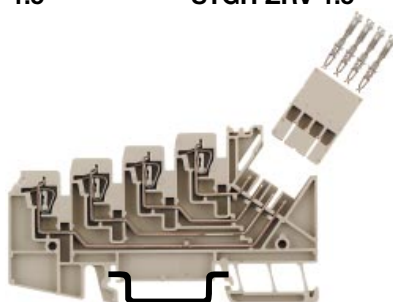
- pitch: 5.08 and 7.62 mm
- rated voltage: 250 and 500 V
- versions with LED's
- mounting brackets for firmly securing plug-in connectors
- for BLZ and BLA systems

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.

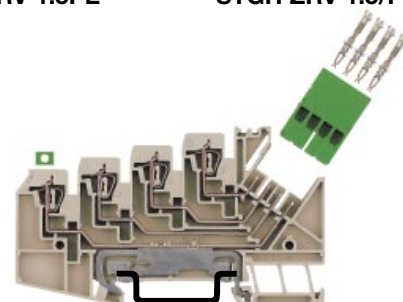
- modular construction; plug-in connectors for between 2 and 12 poles
- base terminal as well as plug-in connector are each equipped with two connections and two cross-connection channels
- coding system that does not reduce number of poles
- resistant to shaking or vibrations
- no end or partition plates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

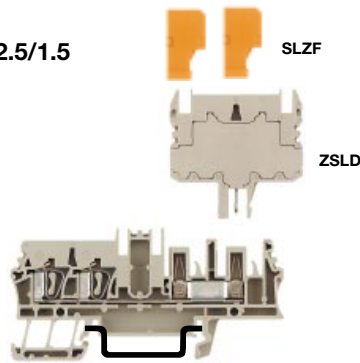


STGH ZRV 1.5/PE

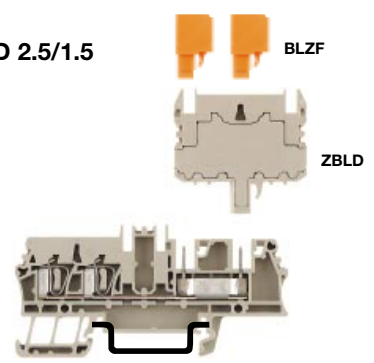
2

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 Version

ZAP Wemid

Orange PA

Orange PA

Cross-connection

ZQV 2.5



Test adapter Version

ZTA With pin



Screwdriver

SD to DIN 5264-A

Group marking

ZGB Blank snap-on tag

ESO Transparent protective cover

STR

Reducing sleeves*** Colour

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

ZRH for conductor 0,25...0,5 mm² Grey

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

Marking tags Print

DEK Consecutive horizontal

DEK Consecutive vertical

ZS 10 Blank

ZS 10 Printed

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

* Approvals applied for

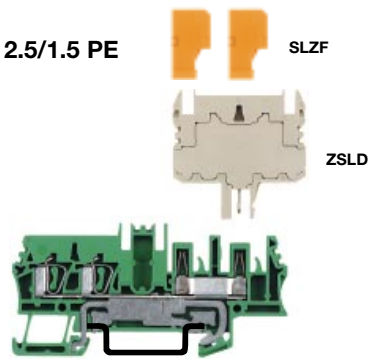
** Ferrules crimped gas-tight

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

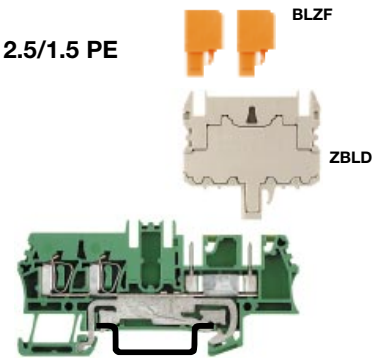
¹⁾ Crimped with Weidmüller-Crimping tool PZ 6/5
(Cat. No. 901146) 2,5 mm² possible too

Pluggable Ground Terminal block

ZKBD 2.5/1.5 PE



ZKSD 2.5/1.5 PE



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

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

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

Ordering data	
Base terminal block	Green/yellow Wemid

Connector

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

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

Test adapter	Version
ZTA	With pin

Screwdriver	
SD to DIN 5264-A	

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

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

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

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

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

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

*	
*	

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

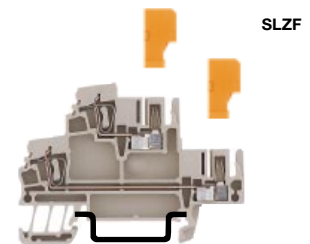
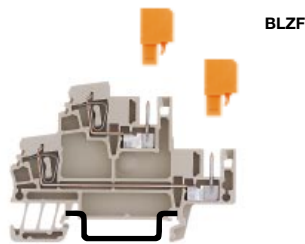
DEK 5	047346	500
DEK 5	047356	500
ZS 10/5	161000	480
ZS 10/5	161001	480

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	4 kV/3
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	
*	
*	

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

ZAP/ZDKB/ZDKS	169962	20
ZVR2 ZDKS 2.5/1.5	169964	20

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

ZTA 4/ZA	168811	25
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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	4 kV/3
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5
0,5...1,5	0,5...1,5
0,13...2,5	A2 0,13...2,5
16	A1
16	
*	
*	

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

ZAP/ZDKB/ZDKS	169962	20
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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

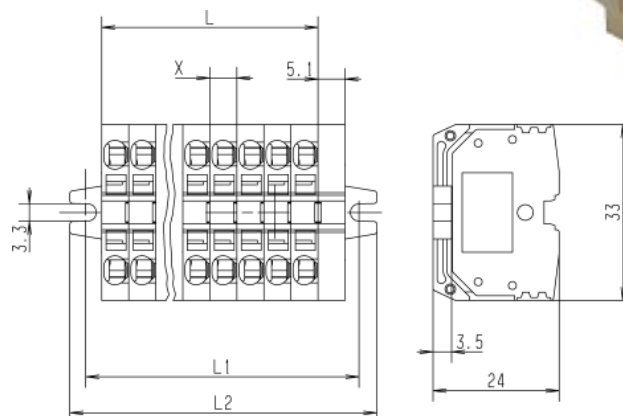
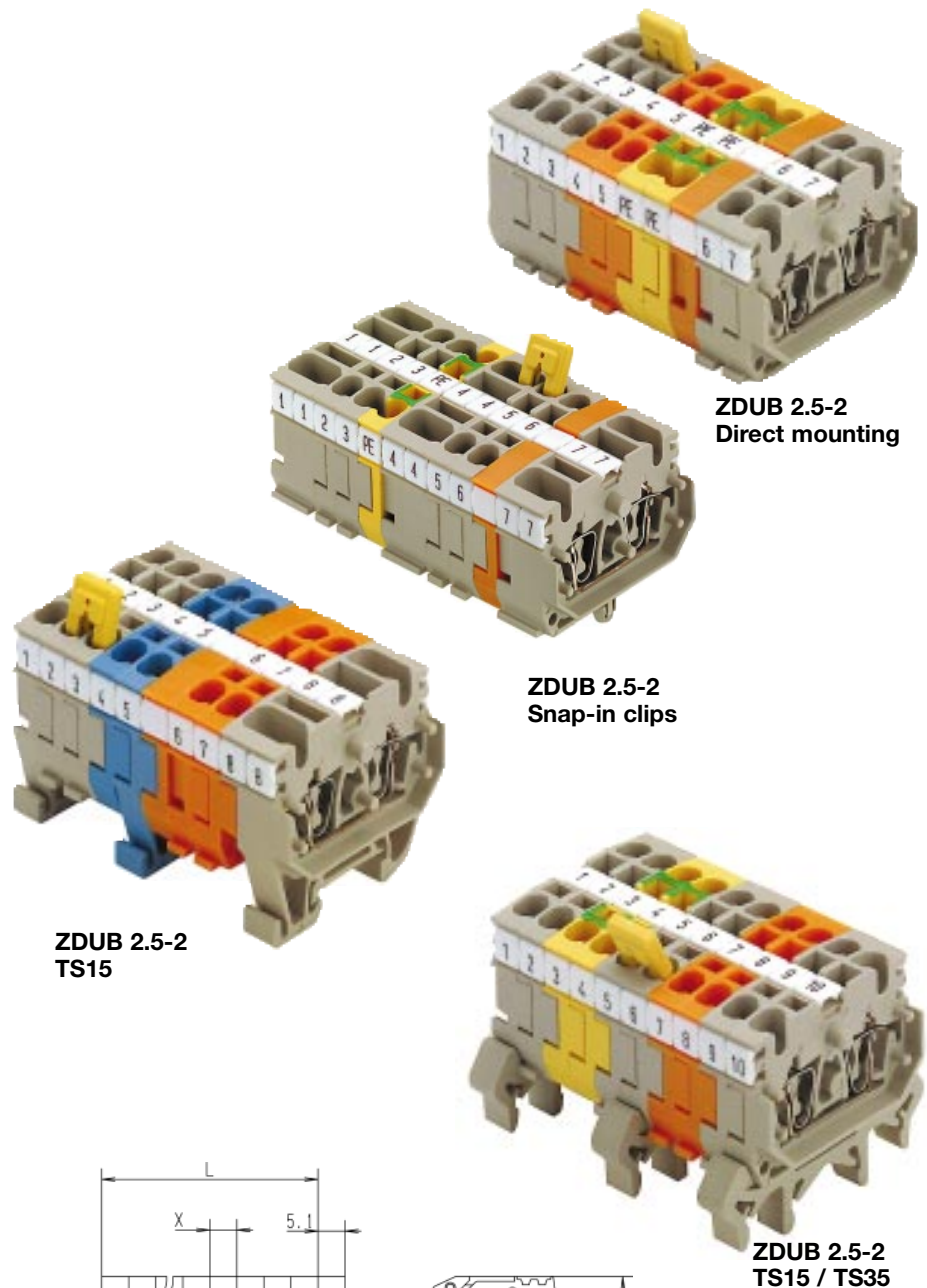
With this family of miniature block terminals it is possible to form individual blocks of 2 and 4-connection units as well as to combine the TS15 version with directly mounted intermediate terminals. The same applies also to the snap-in clip version if not all terminals require separate attachment. By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



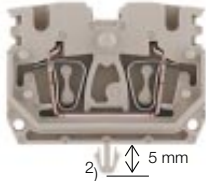
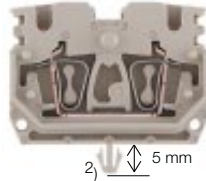
Rated data IEC 947-7-1

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

Drilling plan (Dimensions in mm)

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

Miniblocks

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

* Approvals applied for
** Ferrules crimped gas-tight

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

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

ZDUB 2.5-2/2AN

TS 15



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

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

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

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

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

ZDUB 2.5-2/4AN

TS 15



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

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

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

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

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

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

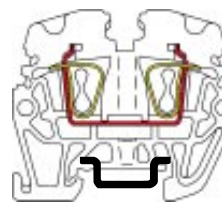
For attaching onto TS 15 mounting rails according to DIN EN 50045. ZDUA / ZPEA enable individual blocks of feed-through and protective conductive terminals to be assembled, whereby each terminal can be removed separately. With an overall width of 5 mm, the TOP connection system guarantees absolute clarity when the blocks are wired up. The time-saving ZQV 2.5N plug-in cross-connection can also be used with this series. Electrical contact is made by the protective conductor terminals automatically when they snap onto the mounting rail. With three options for marking, each individual block terminal can be identified quickly and unambiguously.

Summary of advantages:

- For mounting onto TS15 rails according to DIN EN 50045
- Plug-in cross-connections
- Mere 5 mm overall width
- TOP connection system
- UL94 V0 flammability rating

ZDUA 2.5-2

TS 15
available Sep. 97



5/35/30,5	5/35/30,5
10	10
500 V/24 A/2,5 mm ²	500 V/24 A/2,5 mm ²
6 kV / 3	6 kV / 3
0,5...2,5	0,5...2,5
0,5...2,5	0,5...2,5
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,5...1,5 ¹⁾	0,5...1,5 ¹⁾
0,13...2,5	0,13...2,5
A2	A2

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

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

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

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

Accessories for the
Z series

ZZA 2.5
Additional terminal for:
ZDU 2.5, ZDU 2.5/3 AN,
ZDU 2.5/4 AN, ZTR 2.5
und ZTR 2.5/3 AN



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
	Wernid

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

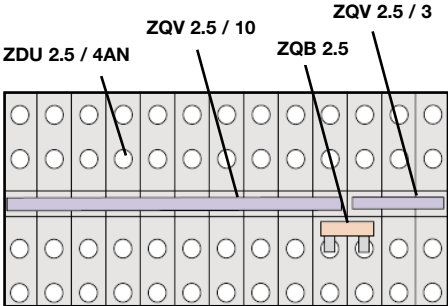


2,5/8,6/23		
500V/24A		
Type	Cat. No.	Qty.
ZQB	167712	50

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



Pin header



Screening connection
terminal block



Cross-connection



4,8/83,5/33,5

125 V

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
SFEH 0.8x1.6/3	168483	20	ZDUS	167664	50	ZQV 2.5/50	169754	20
SFEH 0.8x1.6/2	168482	20				ZQV 2.5N/50	169389	5
SFEH 1x1 / 3	168481	20						
SFEH 1x1 / 2	168480	20						
SFEH 0.8x2.4/3	168485	20						
SFEH 0.8x2.4/2	168484	20						

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

The Screen conductor from shielded control lines can be soldered to the current bar of the Screening connection terminal block ZDUS or connected with crimped 2.8 x 0.8 mm push on receptacle.

The Screening connection terminal block ZDUS can be assembled to the ZDU 2.5, ZDU 2.5 / 3 AN, ZDU 4, ZDU 6 and ZTR 2.5.

Made-to-measure cross-connections

The ZQV 2.5/50 is a cross-connection with which up to 32 terminals can be quickly and easily interconnected. The 50 pole cross-connection comb can be easily cut by the fitter to the required number of poles.

Using this system, you will be able to reduce storage requirements but still have a cross-connection with the correct number of poles available. Left-overs occur infrequently due to the high number of poles (50).

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

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.

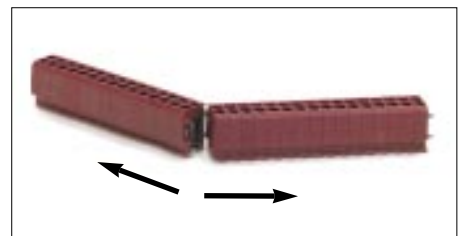
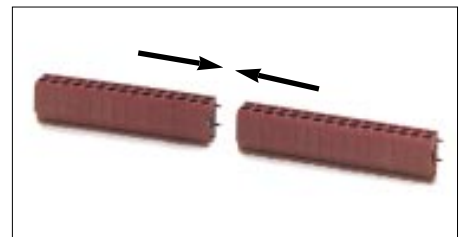
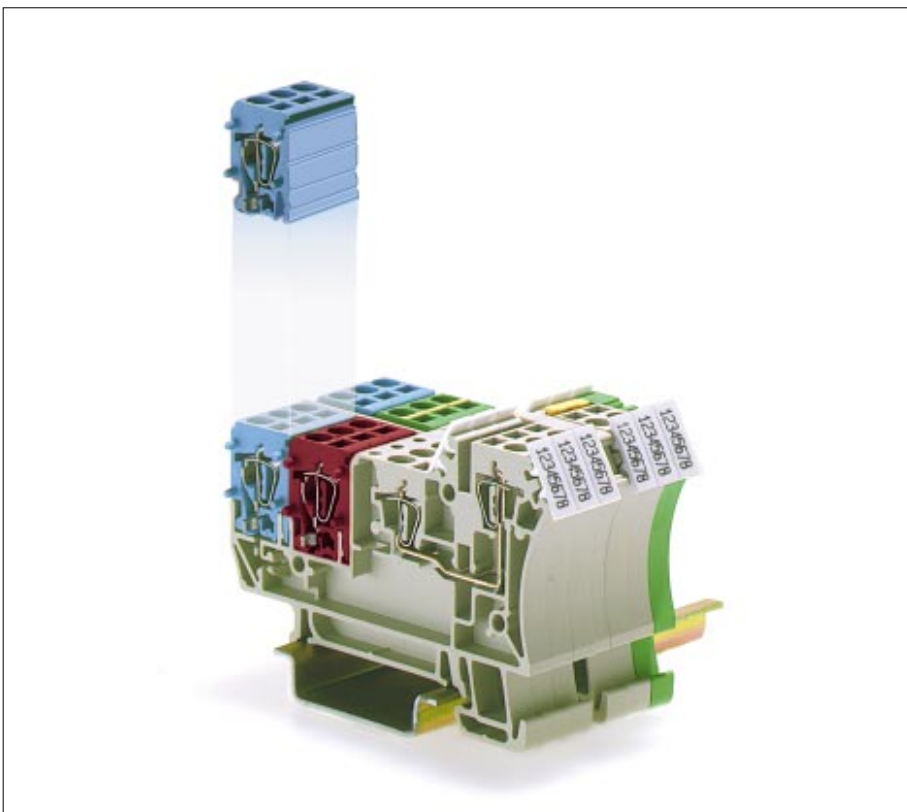
Marking systems

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

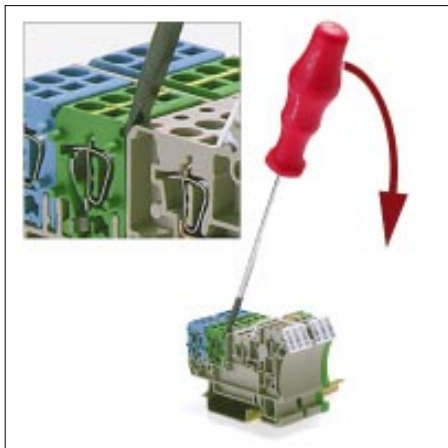
A cross-connection has already been integrated with a male connector on one side and a female connector on the opposite side. Joining the elements together automatically links up the cross-connection for power distribution.

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.

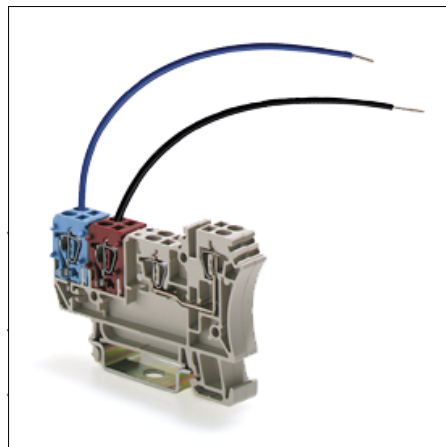
An example:

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.

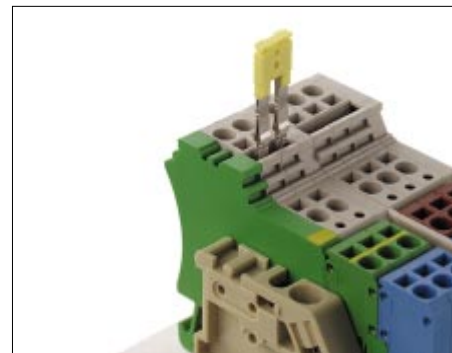


This is the innermost ratchet of both the 3-way and 4-way variants. If you use a standard PE terminal, this will have to be connected to the ZVL 1.5 PE distributor element with a suitable wire. The $n+1$ rule for the number of distributor elements also applies here. In other words, just 1 PE element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

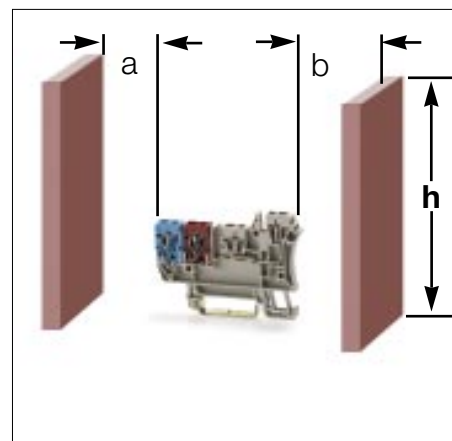
The TOP-connection also ensures easy access and easy-to-locate wiring. Wiring up the connector is easier and more reliable since wiring errors are quickly recognised. The strain on the wiring is lower with a TOP-connection. The combination with tension clamp technology improves user-friendliness.

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 mm

b = 11.5 mm for 40 mm height
= 20.2 mm for 60 mm height



ZIK•ZAK - Modular distribution system

Terminal base 3-way

Terminal base 4-way

Distribution strip

Block versions

Dimensions

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

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

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

Further technical data

Tightening torque Nm
Torque level with electric screwdriver type DMS2

Clampable conductor

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

UL / CSA rated data

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

Ordering data

Terminal base 3-way
Terminal base 3-way 10 poles
Terminal base 3-way with LED for PNP and NPN*
PE-Terminal base 3-way
Terminal base 4-way
Terminal base 4-way 10 poles
Terminal base 4-way with LED for PNP and NPN*
PE-Terminal base 4-way
Wemid
brown Wemid
blue Wemid
green / yellow Wemid

3-way type:

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

4-way type:

for 8 Initiators with PE
for 16 Initiators with PE

End plate

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



Cross-connection

for signal level
ZQV

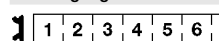


Screwdriver

SD to DIN 5264 A



Marking tags



Consecutive horizontal
Consecutive vertical

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

5,08/68/45,8

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

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

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

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

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

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

ZIA 1.5/4 L-1 S	165201	100
ZIA 1.5/4 L-1 S/10	169262	5
ZIA 1.5/4 L 1 S/LD	165202	50
ZIA 1.5/4 L-PE	165203	20

ZAP/TW ZIA 1.5/3 L 164954 50

ZAP/TW ZIA 1.5/4 L 164955 50

Type	Cat. No.	Qty.
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5	047356	500

5,08/81/45,8

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

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

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

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

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

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

ZIA 1.5/4 L-1 S	165201	100
ZIA 1.5/4 L-1 S/10	169262	5
ZIA 1.5/4 L 1 S/LD	165202	50
ZIA 1.5/4 L-PE	165203	20

ZAP/TW ZIA 1.5/4 L 164955 50

ZAP/TW ZIA 1.5/4 L 164955 50

Type	Cat. No.	Qty.
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5	047356	500

5/12,9/17,5

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

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

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

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

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

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

ZVL 1.5	164930	100**
ZVL 1.5 BR	165037	100**
ZVL 1.5 BL	165036	100**
ZVL 1.5 PE	165197	100**

ZVL 1.5	164930	100**
ZVL 1.5 BR	165037	100**
ZVL 1.5 BL	165036	100**
ZVL 1.5 PE	165197	100**

ZIA 1.5/3 L-1S/8/kB	169263	5
ZIA 1.5/3 L-PE/8/kB	169265	5
ZIA 1.5/3 L-1S/16/kB	169264	2
ZIA 1.5/3 L-PE/16/kB	169266	2
ZIA 1.5/4 L-PE/8/kB	169267	5
ZIA 1.5/3 L-PE/16/kB	169268	2

ZAP/TW ZIA 1.5/4 L 164955 50

ZAP/TW ZIA 1.5/4 L 164955 50

Type	Cat. No.	Qty.
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5	047356	500

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

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

250 V/17,5 A/1,5 mm²
4 kV/3

Nm

0,13...2,5

0,5...2,5

0,5...1,5

A 1

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

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

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

ZIA 1.5/3 L-1S/8/kB	169263	5
ZIA 1.5/3 L-PE/8/kB	169265	5
ZIA 1.5/3 L-1S/16/kB	169264	2
ZIA 1.5/3 L-PE/16/kB	169266	2
ZIA 1.5/4 L-PE/8/kB	169267	5
ZIA 1.5/3 L-PE/16/kB	169268	2

ZIA 1.5/3 L-1S/8/kB	169263	5
ZIA 1.5/3 L-PE/8/kB	169265	5
ZIA 1.5/3 L-1S/16/kB	169264	2
ZIA 1.5/3 L-PE/16/kB	169266	2
ZIA 1.5/4 L-PE/8/kB	169267	5
ZIA 1.5/3 L-PE/16/kB	169268	2

ZIA 1.5/3 L-1S/8/kB	169263	5
ZIA 1.5/3 L-PE/8/kB	169265	5
ZIA 1.5/3 L-1S/16/kB	169264	2
ZIA 1.5/3 L-PE/16/kB	169266	2
ZIA 1.5/4 L-PE/8/kB	169267	5
ZIA 1.5/3 L-PE/16/kB	169268	2

ZAP/TW ZIA 1.5/4 L 164955 50

ZAP/TW ZIA 1.5/4 L 164955 50

Type	Cat. No.	Qty.
ZQV 2.5/2	160886	60
ZQV 2.5/3	160887	60
ZQV 2.5/4	160888	60
ZQV 2.5/5	160889	20
ZQV 2.5/6	160890	20
ZQV 2.5/7	160891	20
ZQV 2.5/8	160892	20
ZQV 2.5/9	160893	20
ZQV 2.5/10	160894	20
ZQV 2.5/50	169754	20

SD 0,6 x 3,5 902423 1

DEK 5	047346	500
DEK 5	047356	500

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

ZIK•ZAK - Configuration examples

3-way Initiator

3-way Actuator

3-way Initiator with PE



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



alternatively

alternatively

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



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



alternatively

alternatively

alternatively

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



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

as required



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



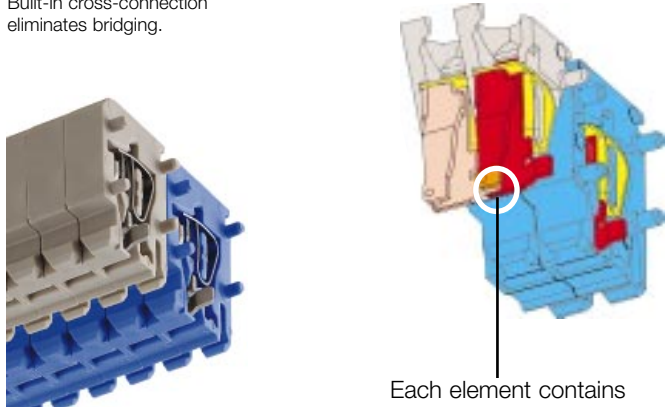
ZIK•ZAK configuration



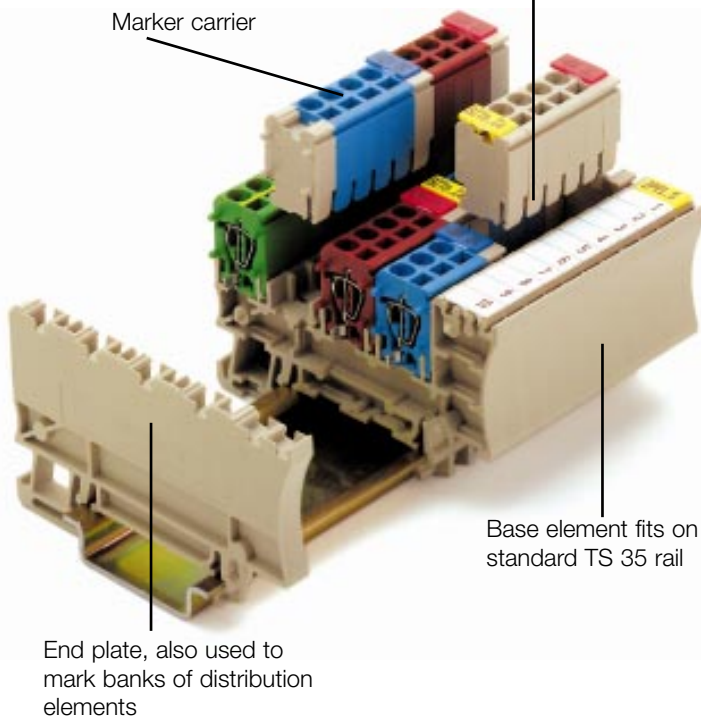
ZPV 1.5 – potential distribution

- 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.

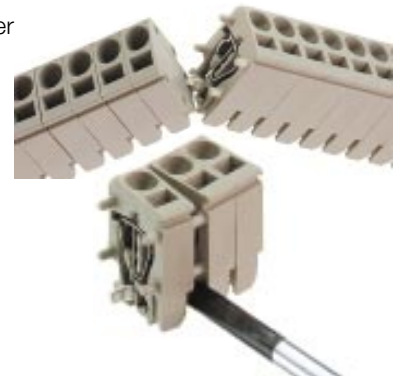


End plate, also used to mark banks of distribution elements

Base element fits on standard TS 35 rail

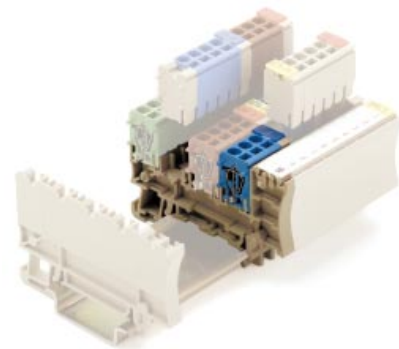
Easy to put together - and split apart

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



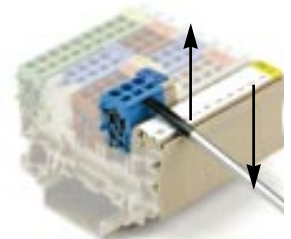
Familiar installation

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.



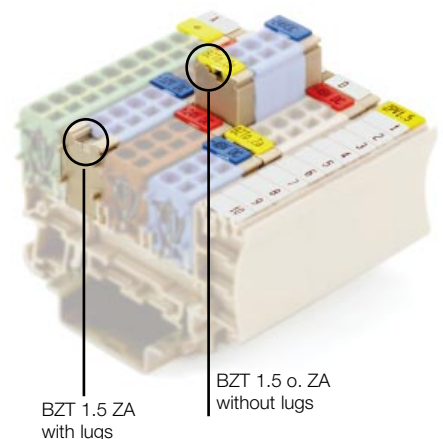
Flexible assembly

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

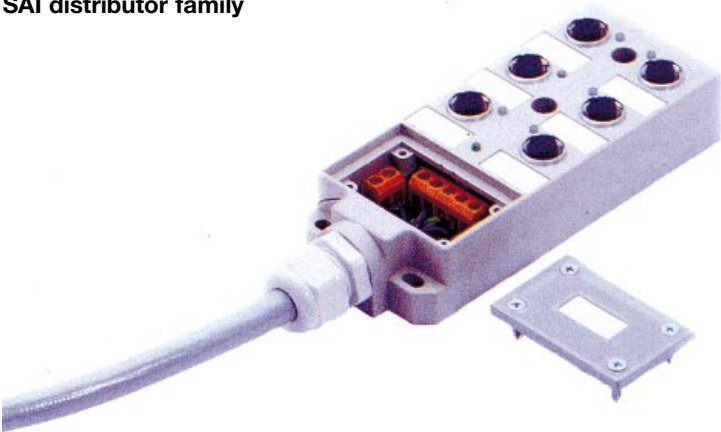
ZVL 1.5



SD 0,6x3,5x100	902423	1
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2/67

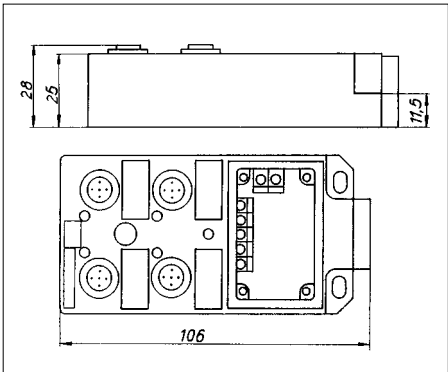
SAI distributor family



SAI-K

Screw connection
for bus line

Dimensions and catalogue numbers

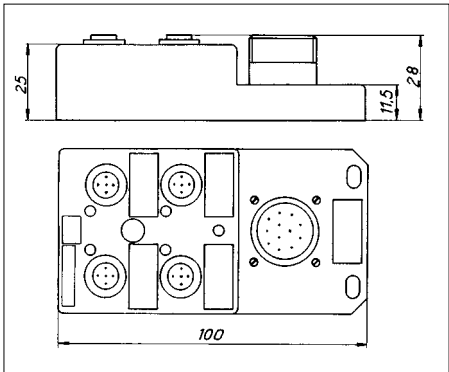


Type	Cat. No.
SAI-4-K	945603

SAI-S

12-pole plug connector
for bus line

Dimensions and catalogue numbers



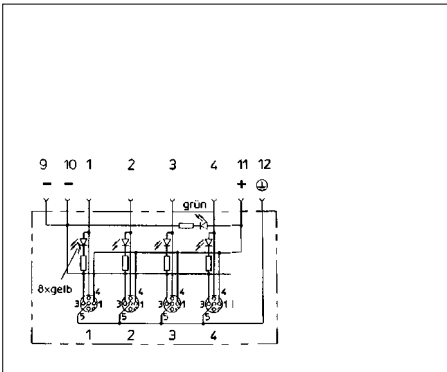
Type	Cat. No.
SAI-4-S	945600

SAI module family

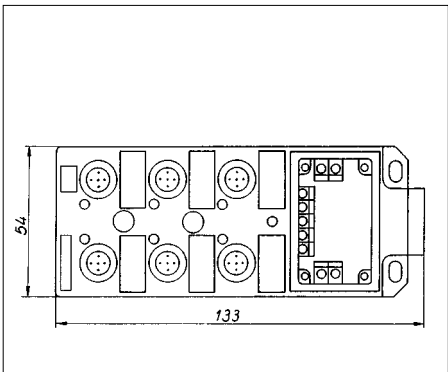
The SAI module joins sensor/actuator cables in the simplest and most rational method. The almost standardised circular connectors allow components to be installed by simply plugging them together. If an initiator fails, a replacement can therefore be easily installed due to easy access. This can be performed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

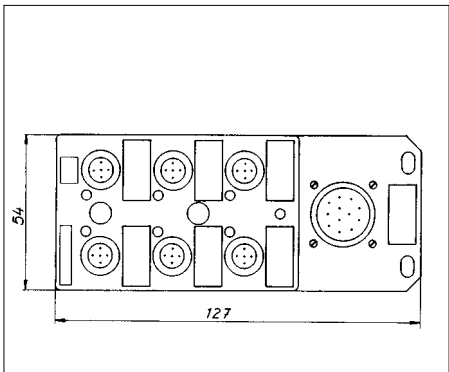
Pin layout



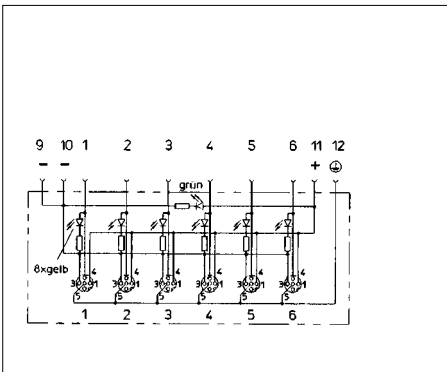
SAI-4...



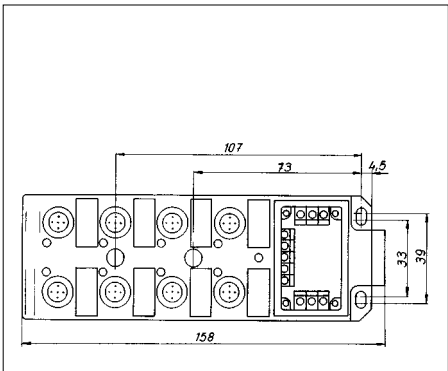
Type	Cat. No.
SAI-6-K	945604



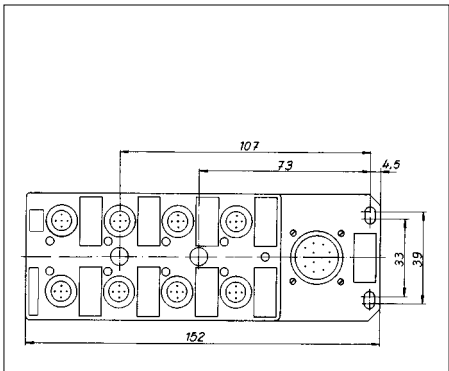
Type	Cat. No.
SAI-6-S	945601



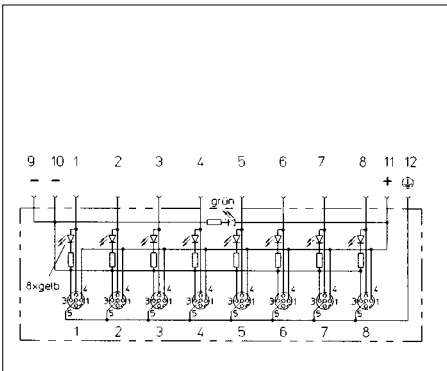
SAI-6...



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

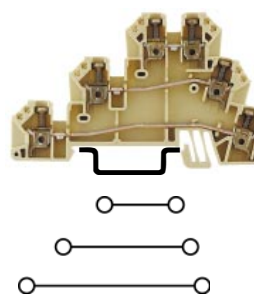
Connector shape:	M 12 to M 12 / Straight connector
Cable type :	PUR in lengths of 0.6 m, 0.9 m, 1.2 m, 1.5 m, 2.0 m

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

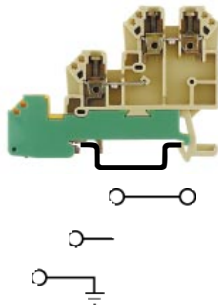
* Detailed data sheet for the new type SAI-M available on request.

DLD 2.5



FS 6	046876
------	--------

DLA 2.5



6/65/49

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

250 V**/17,5 A/2,5 mm²
4 kV/3

0,4...0,7

1

0,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

20 A/2,5 mm²

(Q 2...20) 20

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

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

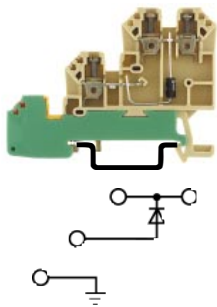
	Cat. No.	Qty.
	156597	100

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

Type	Cat. No.	Qty.
AP	131326	20

TSch 1 **031916** 100StB 8,5* (ø 2,3) **021570** 50PS 2.3 **018040** 20Q 2 **131250** 50Q 3 **131260** 50Q 4 **131270** 50Q 10 **131310** 20Q 20 **139980** 20QL 2 **029720** 100VH 3.8 **134580** 100WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000ADP **048540** –HP 4 **048586** 20FW 6 **046866** –FS 6 **046876** –

DLA 2.5/D



6/65/49

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

250 V**/17,5 A/2,5 mm²
4 kV/3

0,4...0,7

1

0,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

20 A/2,5 mm²

(Q 2...20) 20

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

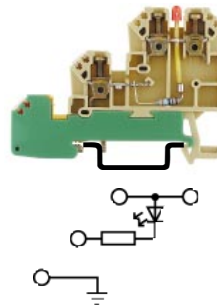
300 V/10 A/26...12 AWG

	Cat. No.	Qty.
	157840	100

Type	Cat. No.	Qty.
AP	131326	20

TSch 1 **031916** 100Q 2 **131250** 50Q 3 **131260** 50Q 4 **131270** 50Q 10 **131310** 20Q 20 **139980** 20QL 2 **029720** 100VH 3.8 **134580** 100WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000ADP **048540** –HP 4 **048586** 20FW 6 **046866** –FS 6 **046876** –

DLA 2.5/LD



6/65/49

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

5–30 V/17,5 A/2,5 mm²
0,8 kV/3

0,4...0,7

1

0,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

20 A/2,5 mm²

(Q 2...20) 20

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

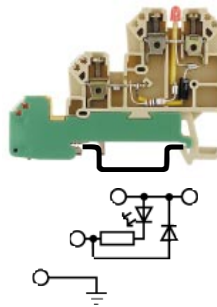
5–30 V/10 A/26...12 AWG

	Cat. No.	Qty.
	157843	100
	157844	100

Type	Cat. No.	Qty.
AP	131326	20

TSch 1 **031916** 100Q 2 **131250** 50Q 3 **131260** 50Q 4 **131270** 50Q 10 **131310** 20Q 20 **139980** 20QL 2 **029720** 100VH 3.8 **134580** 100WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000ADP **048540** –HP 4 **048586** 20FW 6 **046866** –FS 6 **046876** –

DLA 2.5/LD/D



6/65/49

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

5–30 V/17,5 A/2,5 mm²
0,8 kV/3

0,4...0,7

1

0,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

20 A/2,5 mm²

(Q 2...20) 20

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

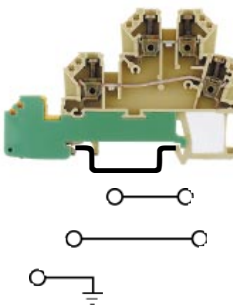
5–30 V/10 A/26...12 AWG

	Cat. No.	Qty.
(LED red)	157847	100
(LED green)	157848	100
(LED red)	157849	10
(LED green)	157850	10

Type	Cat. No.	Qty.
AP	131326	20

TSch 1 **031916** 100Q 2 **131250** 50Q 3 **131260** 50Q 4 **131270** 50Q 10 **131310** 20Q 20 **139980** 20QL 2 **029720** 100VH 3.8 **134580** 100WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000ADP **048540** –HP 4 **048586** 20FW 6 **046866** –FS 6 **046876** –

DLD 2.5/PE



6/74,5/49

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

250 V**/17,5 A/2,5 mm²
4 kV/3

0,4...0,7

1

0,5...4

0,5...4

0,5...2,5

0,5...2,5

A 3

20 A/2,5 mm²

(Q 2...20) 20

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

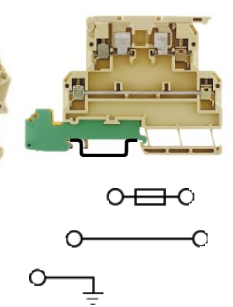
–

	Cat. No.	Qty.
	159595	100

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

TSch 1 **031916** 100StB 8,5* (ø 2,3) **021570** 50PS 2.3 **018040** 20Q 2 **131250** 50Q 3 **131260** 50Q 4 **131270** 50Q 10 **131310** 20Q 20 **139980** 20QL 2 **029720** 100VH 3.8 **134580** 100WT 4 **134106** 100SF 10 **033240** 1000SG 10 **033250** 1000ADP **048540** –HP 4 **048586** 20FW 6 **046866** –FS 6 **046876** –

KDKS 1/PE



8/91/65

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

500 V/6,3 A/4 mm²
6 kV/3

0,5...1/0,4...0,7***

2/1***

0,5...4

0,5...4/2.5***

0,5...4/2.5***

A 4 / A 3***

	Cat. No.	Qty.
	952811	50

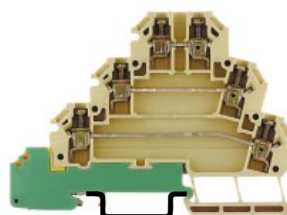
cannot be combined with

DLI / DLA

Type	Cat. No.	Qty.
AP	950333	50

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

*** for PE connection

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

161527	50
--------	----

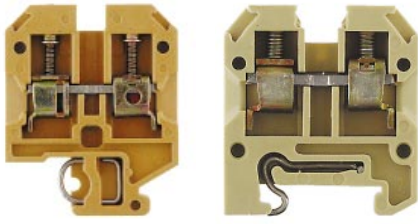
AP MAK2.5	161528	20
TEAP 2 MAK2.5	163333	20

VQB1.5/50BL*	163328	5
VQB1.5/50RT*	163329	5
VQB1.5/50SW*	163512	5
QB 25 SW*	052000	20
QB 25 RT*	052006	20
QB 25 BL*	052008	20



System advantages

SAK/AKZ series



Stripping length

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

Mounting

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

End plate

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

Partition

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

Small partition

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

Cover plates

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

Cross-connections

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

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

Weidmüller distinguishes between the following cross-connection units:

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

Sockets

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

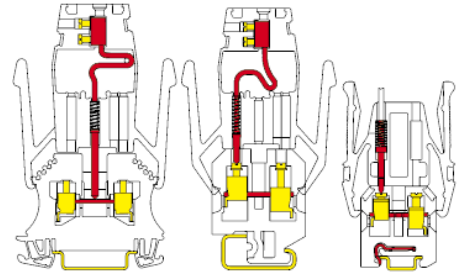
Test plugs

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

Designation

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

Test adapters



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

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

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

Feed-through terminals

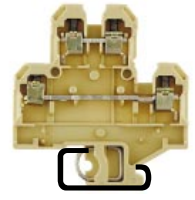
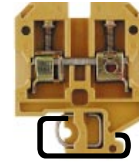
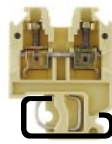
(See page 3/14 for test adapter systems)

SAKD 2.5 N

SAK 2.5

SAK 4

DK 4 Q*



Dimensions

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

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

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

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

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

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

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

500 V/24 A/2,5 mm²
6 kV/3

800 V/24 A/2,5 mm²
8 kV/3

800 V/32 A/4 mm²
8 kV/3

500 V/2 x 32 A/4 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,4...0,7
1

0,4...0,6
1

0,5...1,0
2

0,5...1,0
2

Clampable conductor

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

0,5...4
0,5...4
0,5...4
0,5...4
A 2
30 A/4 mm²
20
20

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

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

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

Technical data

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

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

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

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

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

Ordering data

Version
KrG
Blue KrG
KrS
PA
Blue PA
Orange PA
Terminal block with Bez. PA
Terminal block without Bez. PA

Cat. No. Qty.
 Cat. No. Qty.
027962 100
027967 100
027963 100
026966¹⁾³⁾100 **027966**¹⁾²⁾100
026968¹⁾³⁾100 **027968**¹⁾²⁾100
026964¹⁾³⁾100 **132636**¹⁾²⁾100
032256¹⁾ 10
032286¹⁾ 10

Cat. No. Qty.
 Cat. No. Qty.
012832 100
012837 100
012833 100
171624¹⁾³⁾ **012836**¹⁾²⁾ 100
171625¹⁾³⁾ **012838**¹⁾²⁾ 100
010506¹⁾²⁾ 100
032266¹⁾ 10
030886¹⁾ 10

Cat. No. Qty.
 Cat. No. Qty.
059006¹⁾100
059008¹⁾100
132386¹⁾ 10

End plate (thickness mm)



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

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

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

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

Partition (thickness mm)



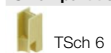
WTW KrG
Blue KrG
KrS
PA
Blue PA
HP

TW (2,5) **030282** 20
TW (2,5) **030287** 20
TW (2,5) **030283** -
TW (1,5) **030286** 20
TW (1,5) **030288** 20
TW (1,0) **029710** 20

TW (2,5) **013012** 20
TW (2,5) **010317** 20
TW (2,5) **013013** 20
TW (1,5) **013016** 20
TW (1,5) **013018** 20
TW (1,0) **019710** 20

WTW (Ex) **105880** 20
TW (2,0) **060700** 20

Small partition



TSch 6

TSch 3 **036686** 100

TSch 1 **031916** 100

TSch 1 **031916** 100

TSch 6 **019026** 100

Cross-connection



2-pole Q 2 **036780** 50
3-pole Q 3 **036790** 50
4-pole Q 4 **036800** 50
10-pole Q 10 **036810** 20

Q 2 **033700** 50
Q 3 **033710** 50
Q 4 **033720** 50
Q 10 **036870** 20

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

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

Switchable cross-connection link



VL 2 BS VH

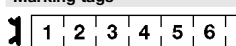
VL 2 **019700** 100
VH **028510** 50
BS **029250** 100

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

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

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

Marking tags



Print

Consecutive horizontal
Consecutive vertical

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

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

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

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

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

* Accepts LS 2.8 shield lugs Cat. No. 105640

** Max. 2.5 mm² conductor connection when using QB

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

²⁾ Not suitable for SST 3 safety pin

⁴⁾ Cat. No. **027966** und **027968**

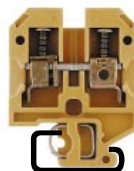
Feed-through terminals

(See page 3/14 for test adapter systems)

DK 4 QV*



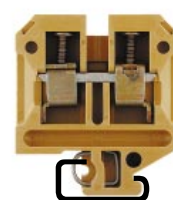
SAK 6 N



SAK 10



SAK 16



Dimensions

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

6/54/60
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

019328¹⁾ 100

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

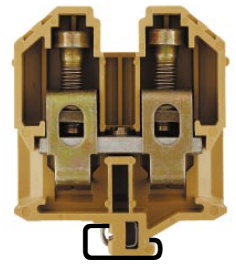
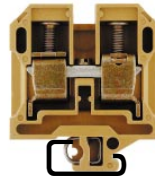
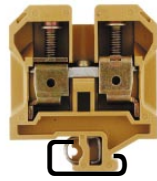
Feed-through terminals

SAK 35 N

SAK 35

SAK 70

SAK 95



Dimensions

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

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

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

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

28/83,5/100,5
30 mm/M 10/S 8 D6911

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

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

1000 V/125 A/35 mm²
8 kV/3

800 V/125 A/35 mm²
8 kV/3

1000 V/192 A/70 mm²
8 kV/3

1000 V/232 A/95 mm²
8 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

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

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

6,0...12,0

10,0...20,0

Clampable conductor

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

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

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

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

10...16
10...120
10...95
10...35

Plug gauge according to 947-1 Size

B 8

B 9

B 11

B 12

Continuous current of terminal block for conductor size

138 A/35 mm²

138 A/35 mm²

213 A/70 mm²

258 A/120 mm²

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

65

65

180

180

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

65

65

180

180

UL / CSA rated data

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

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

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

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

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

Ordering data

 Cat. No. Qty.

 Cat. No. Qty.

 Cat. No. Qty.

 Cat. No. Qty.

KrG **055062** 20

KrG **030352** 20

KrG **034082** 10

KrG **055052** 10

Hexagon socket KrG **055572** 20

Hexagon socket KrG **047652** 20

Hexagon socket KrG **034087** 10

Hexagon socket KrG **034083** 10

Hexagon socket blue KrG **055063** 20

Hexagon socket blue KrG **030353** 20

Hexagon socket blue KrG **034088** 10

Hexagon socket blue KrG **034089** 10

Hexagon socket KrS **055573** 20

Hexagon socket KrS **030356** 20

Hexagon socket KrS **034090** 10

Hexagon socket KrS **034091** 10

Hexagon socket PA **055066** 20

Hexagon socket PA **030358** 20

Hexagon socket PA **034092** 10

Hexagon socket PA **034093** 10

Hexagon socket blue PA **055576** 20

Hexagon socket blue PA **047656** 20

Hexagon socket blue PA **034094** 10

Hexagon socket blue PA **034095** 10

Terminal block with marking

Terminal block with marking

Terminal block with marking

Terminal block with marking

Terminal block without marking

Terminal block without marking

Terminal block without marking

Terminal block without marking

End plate (thickness mm)

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

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

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

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

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

Partition (thickness mm)

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

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

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

Type Cat. No. Qty.

Type Cat. No. Qty.

Cross-connection

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

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

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

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

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

Switchable cross-connection link

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

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

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

Type Cat. No. Qty.

Type Cat. No. Qty.

Cover / Test plug

AD 4 **057670** 50
BSK M 4x32 **012910** 50
PS 4 **029960** 20

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

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

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

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

Marking tags

FW 5 **047346** –
FS 5 **047356** –

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

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

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

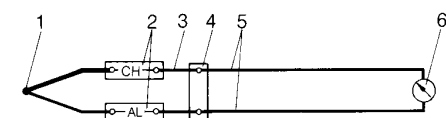
Type Cat. No. Qty.
FW 5 **047346** –
FS 5 **047356** –

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

*** For hexagon socket

Busbars made from thermocouple material according to DIN IEC 584

I. Configuration of a temperature measuring circuit



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

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

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

**Thermocouples according to IEC 584
DIN 43710**

Terminal designation	Busbar material trade name
1	Aluminum
2	Aluminum
3	Aluminum
4	Aluminum
5	Aluminum
6	Aluminum
7	Aluminum
8	Aluminum
9	Aluminum
10	Aluminum
11	Aluminum
12	Aluminum
13	Aluminum
14	Aluminum
15	Aluminum
16	Aluminum
17	Aluminum
18	Aluminum
19	Aluminum
20	Aluminum
21	Aluminum
22	Aluminum
23	Aluminum
24	Aluminum
25	Aluminum
26	Aluminum
27	Aluminum
28	Aluminum
29	Aluminum
30	Aluminum
31	Aluminum
32	Aluminum
33	Aluminum
34	Aluminum
35	Aluminum
36	Aluminum
37	Aluminum
38	Aluminum
39	Aluminum
40	Aluminum
41	Aluminum
42	Aluminum
43	Aluminum
44	Aluminum
45	Aluminum
46	Aluminum
47	Aluminum
48	Aluminum
49	Aluminum
50	Aluminum
51	Aluminum
52	Aluminum
53	Aluminum
54	Aluminum
55	Aluminum
56	Aluminum
57	Aluminum
58	Aluminum
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60	Aluminum
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62	Aluminum
63	Aluminum
64	Aluminum
65	Aluminum
66	Aluminum
67	Aluminum
68	Aluminum
69	Aluminum
70	Aluminum
71	Aluminum
72	Aluminum
73	Aluminum
74	Aluminum
75	Aluminum
76	Aluminum
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80	Aluminum
81	Aluminum
82	Aluminum
83	Aluminum
84	Aluminum
85	Aluminum
86	Aluminum
87	Aluminum
88	Aluminum
89	Aluminum
90	Aluminum
91	Aluminum
92	Aluminum
93	Aluminum
94	Aluminum
95	Aluminum
96	Aluminum
97	Aluminum
98	Aluminum
99	Aluminum
100	Aluminum

a) (Type J)

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

b)(Type T)

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

c) (Type K)

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

d) (Type E)

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

Width / length / height (mm) with TS 32

Insulation stripping length/clamping screw/screwdriver blade

Nominal voltage/nominal current
nominal cross-section

Width / length / height (mm)	with TS 32 	6/36,5/49,5	6/54/59,5
Insulation stripping length/clamping screw/screwdriver blade		10 mm/M 2,5/3,5 x 0,6	9 mm/M 3/3,5 x 0,6

Technical data/VDE		
Nominal voltage/nominal current	-/-/	-/-/
nominal cross-section	2.5 mm ²	4 mm ²

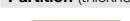
Ordering data

Ordering data	Version	Type		Cat. No.	Qty.		Cat. No.	Qty.
	NiCr			010726	100			
	Ni			010716	100			
	CuNi			018986	100			
	Fe			019006	100			
	Cu			018996	100			
	NiCr/Ni	K					133826	100
	Cu/CuNi	T					133816	100
	Fe/CuNi	J					133806	100

End plate (thickness mm)

End plate (thickness mm)	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
	KrG						
	Blue KrG						
	KrS						
	PA	AP (1,5)	027956	20	AP (1,5)	063136	20
	Blue PA						
	Orange PA						

Partition (thickness mm)

	KrG				
	Blue KrG				
	KrS				
	PA	TW (1,5)	030286	20	
	WEM				
	for TS 32 HP				
			WTW (Ex)e	105880	20
			TW HP (2,0)	060700	20

Marking material

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

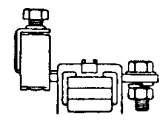
For further accessories see section 3, further marking material see section 8

DK 4 TC

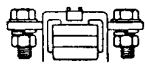
The Weidmüller SAKG range offers the following connection variants:

- 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.

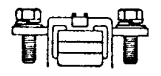
Versions



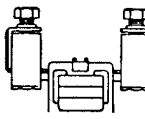
Version I



Version II
without thread



Version II
with thread

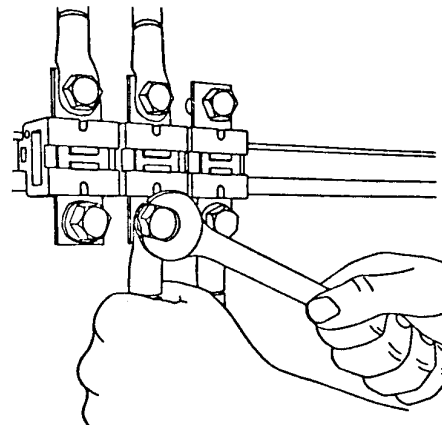


Version III

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	28/70/53
15 mm/M 6/-	-/M 6/-
1000 V*/125 A/35 mm ²	1000 V*/125 A/35 mm ²
8 kV/3	8 kV/3
3...6	3...6
135 A/50 mm ²	(QL 2) 110
(QL 2) 110	(QL 2) 110
600 V/95 A/2 AWG	600 V/115 A/2 AWG
600 V/110 A/6...1 AWG	600 V/110 A/6...1 AWG
Type Cat. No. Qty.	Type Cat. No. Qty.
017002 10	017032 10

End plate, Hard paper (thickness mm)



Tropic-proof

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

Partition, Hard paper (thickness mm)



Tropic-proof

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

Cross-connection



2-pole
3-pole
4-pole

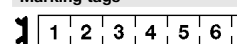
Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
QL 2	019390	5	QL 2	019390	5
QL 3	040760	5	QL 3	040760	5
QL 4	040770	5	QL 4	040770	5

Cover



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AH 28	032666	5	AH 28	032666	5

Marking tags



Print

Consecutive horizontal
Consecutive vertical

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

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

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

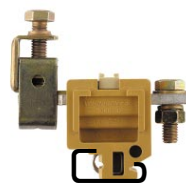
Feed-through terminals

SAKG 28 II G

SAKG 28 III

SAKG 32 I

SAKG 32 II



Dimensions

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

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

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

Rated voltage / current / cross-section	1000 V*/125 A/35 mm 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

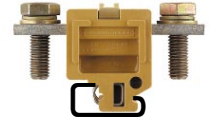
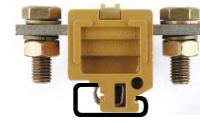
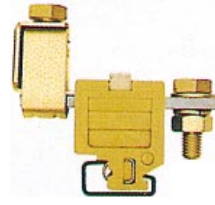
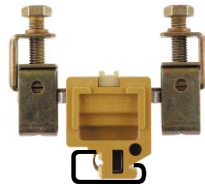
SAKG 32 III

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.

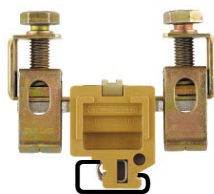
Feed-through terminals

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.
KrG		028692	10
Two clamping yokes KrG		017062	10
		018532	10
		017072	10

End plate, Hard paper (thickness mm)



Tropic-proof

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
EP 2 (2)	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



Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
AH 40	032686	5	AH 46	032696	5	AH 46	032696	5			

Marking tags

Print

Marking tags	Print	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 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 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

50...240

35...185

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

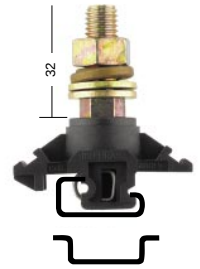
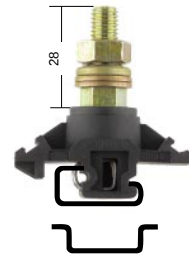
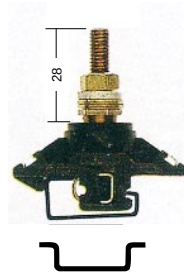
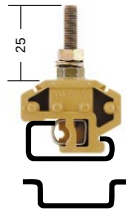
Stud terminals

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

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

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

3...6

6...12

10...20

14...31

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82 A/16 mm ²

135 A/35 mm ²

207 A/70 mm ²

250 A/95 mm ²

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End plate, Hard paper (thickness mm)

PA
PPO



Type	Cat. No.	Qty.
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Type	Cat. No.	Qty.
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AP/TW (2)	133320	10
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Type	Cat. No.	Qty.
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AP/TW (2)	133320	10
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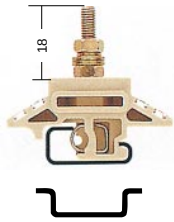
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KST 5



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.
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950337	25
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950823	25
952830	25

Type	Cat. No.	Qty.
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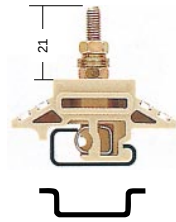
TW/KST (2)	950139	10
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QL 2	950339	1
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FW 5	047346	-
FS 5	047356	-

¹⁾ with partition

KST 6



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

82 A/16 mm²

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

	Qty.		Qty.
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950131	25
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950694	25
952831	25

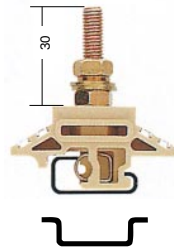
Type	Cat. No.	Qty.
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TW/KST (2)	950139	10
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QL 2	950135	5
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FW 5	047346	-
FS 5	047356	-

KST 8



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

135 A/35 mm²

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

	Qty.		Qty.
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950132	25
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950695	25
952832	25

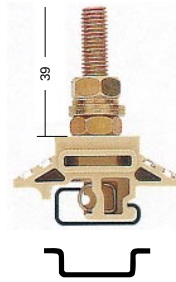
Type	Cat. No.	Qty.
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TW KST (2)	950139	10
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QL 2	950136	1
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FW 5	047346	-
FS 5	047356	-

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

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

	Qty.		Qty.
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950133	20
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950696	20
952833	20

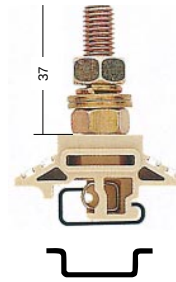
Type	Cat. No.	Qty.
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TW KST (2)	950139	10
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QL 2	950137	1
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FW 5	047346	-
FS 5	047356	-

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

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

	Qty.		Qty.
--	------	--	------

950134	20
--------	----

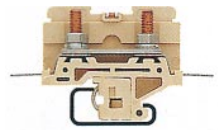
950697	20
952834	20

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
34/62,5/74
-/M 5/-
750 V/76 A/16 mm ²
8 kV/3
2...4

85 A/16 mm²

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

	Qty.		Qty.
--	------	--	------

ST 5	STSL 5
------	--------

044836	1	046286	1
--------	---	--------	---

044834	1	046284	1
--------	---	--------	---

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

AP (1,5)	044724	1
----------	--------	---

TW (1,5)	047766	1
----------	--------	---

TW (1,5)	047764	1
----------	--------	---

QL 2	383430	1
------	--------	---

044770	1
--------	---

FW 6	046866	-
FS 6	046876	-

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

EK 35



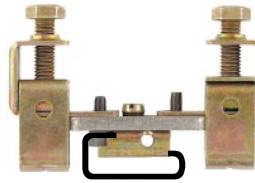
EK 2



SAKE 35



SAKE 70



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

-/-/35 mm²

2,5...5,0/1,2...1,6*
-/3

6...16

16...50

10...35

10...35

10...2

B 9

 Cat. No. Qty.
035476 20

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

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

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

-/-/10

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

1,5...10

1,5...10

1,5...10

1,5...10

16...8

B 6

 Cat. No. Qty.
032310 20

Type Cat. No. Qty.

FW 5 **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

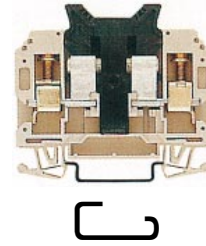
6...0

B 10

 Cat. No. Qty.
021320 20

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

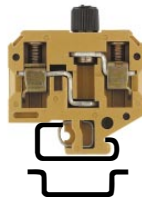
FW 5 **047346** -
FS 5 **047356** -

KSKM 3

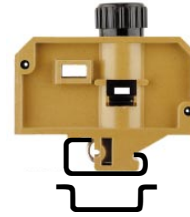
2/89

Fuse terminals

SAKS 3
SAKS 3/35



SAKS 4
SAKS 4/35



SAKS 5
SAKS 5/35



Dimensions

Width / length / height (mm)	with TS 32 	13/54/61			24/75/73	28/80/85
Width / length / height (mm)	with TS 35 x 7,5 	13/54/55			24/75/66	28/80/66
Insulation stripping length/clamping screw/screwdriver blade		12 mm/M 4/5,5 x 1			14 mm/M 4/5,5 x 1	13 mm/M 4/5,5 x 1
Rated data terminal base						
Rated voltage / current / cross-section		500 V AC/10 A/10 mm ²			400 V~**/16 A/10 mm ²	400 V~/63 A***/16 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity		6 kV/3			6 kV/3	6 kV/3
Further technical data						
Tightening torque range	Nm	1,2...2,4			1,2...2,4	1,2...2,4
Torque setting with DMS 2 electric screwdriver		4			4	4
Clampable conductor						
solid H07V-U	mm ²	0,5...16			0,5...16	1,5...16
stranded H07V-R	mm ²	1,5...10			1,5...10	1,5...16
flexible H07V-K	mm ²	0,5...10			0,5...10	1,5...16
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...10			0,5...10	1,5...16
Plug gauge according to 947-1	Size	B 6			B 6	B 7
Continuous current rating of cross-connection 2...5-pole A		(QL 2...5) 47			(QL 2...5) 47	(QL 2...5) 47
Continuous current rating of cross-connection 6...10-pole A		(QL 6...10) 36			(QL 6...10) 36	(QL 6...10) 36
UL / CSA rated data						
Voltage / current / conductor size	UL	300 V/10 A/22...10 AWG				
Voltage / current / conductor size	CSA	600 V/10 A/22...10 AWG			600 V/30 A/22...8 AWG	600 V/63 A/14...6 AWG
Ordering data	Version	 Qty. 	Qty.		 Qty. 	Qty.  Qty.

End plate/partition (thickness mm)



Cross-connections



Fixing screws
for Cross-connections

Fuse inserts

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

D fuse inserts

	E 14/2	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

Screw cap (spare)

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

Marking tags

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

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

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

3) For fuse inserts 1 1/4 x 1/4" DEF 63
4) For fuse inserts 5 x 30

SAKS 2 SAKS 2/35



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

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

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

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

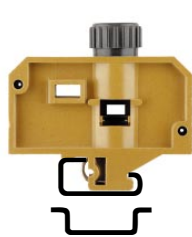
P 16/10	020890	100
P 16/16	020900	100
P 16/20	020910	100

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

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

FW 5	047346
FS 5	047356

SAKS 4 USA SAKS 4 Frankr.



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

600 V/30 A/20...8 AWG
600 V/30 A/22...8 AWG
 Qty.  Qty.
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

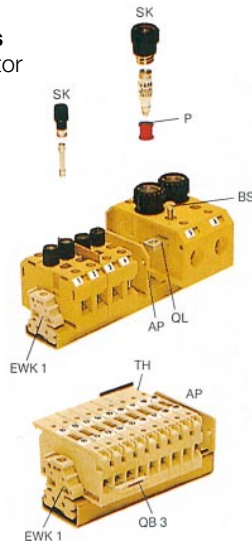
SS M 4	013640	100
BS M 4x9	010330	100

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

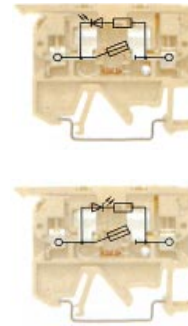
straight
angled

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

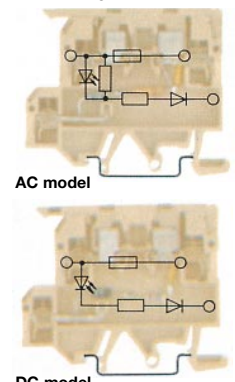
Mountable on
TS 32 und TS 35

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

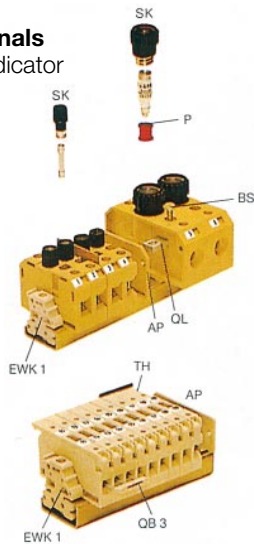
KDKS 1	814284	25
KDKS 1	814891	25

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 terminals with fault indicator



Dimensions																		
Terminal width (+ 0.2 assembly tolerance)			mm	13		24			12			12						
Insulation stripping length			mm	12		14			12			12						
Connection data																		
Screw connection, solid				0,5...16 mm ²		0,5...16 mm ²			0,5...16 mm ²			0,5...16 mm ²						
Screw connection, flexible				0,5...10 mm ²		0,5...10 mm ²			0,5...10 mm ²			0,5...10 mm ²						
Conductor cross-section				AWG 20...8		AWG 20...7			AWG 20...8			AWG 20...8						
VDE rated data																		
Voltage/Current				~/10 A		~/16 A			500 V~/10 A			500 V~/10 A						
LED current (24...60 V)				≤ 5 mA		–			10 A			10 A						
LED current (115...230 V)				–		–			≤ 1 mA			≤ 1 mA						
Incandescent lamp current				≤ 50 mA		–			–			–						
Neon lamp current				≤ 0,5 mA		≤ 1 mA			≤ 1 mA			≤ 1 mA						
Cross-section				10 mm ²		10 mm ²			10 mm ²			10 mm ²						
Ordering data			Voltage	TS 32 Qty. TS 35 Qty.			Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.			
Fuse cartridge				SAKS 1 LD			SAKS 4			SAKS 6 KrG 053182 40			SAKS 7 KrG					
5 x 20			LED	24 V~	037142	10 022582	10	TS 32 neon lamp		for 1 1/4" x 1/4" to DEF 63			for 5 x 25 057612 40					
				24 V~	111122	10 111132	10	Voltage					SAKS 7 KrG					
				48 V~	012172	10 022602	10	115 V=	010182	10				for 5 x 20 057312 40				
				48 V~	021392	10 021402	10	230 V=	010192	10								
			Incandescent lamp	24 V=	SAKS 1 GL			380 V=	010202	10	exchangeable neon lamps			for exchangeable neon lamps				
				48 V=	037172	10 017322	10	480 V=	010212	10	(please order separately)			(please order separately)				
					037892	10 017312	10											
			Neon lamp	115 V=	SAKS 1 GL													
				230 V=	038532	10												
					030612	10 019992	10											
Fuse cartridge					SAKS 1 LD													
5 x 25			LED	24 V~	040782	10 on request												
					SAKS GL													
			Incandescent lamp	24 V=	038802	10 on request												
				48 V=	038812	10 on request												
					SAKS 1 GL													
			Neon lamp	115 V=	038522	10 –												
				230 V=	030932	10 019862	10											
Accessories						Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	
Mounting rail				TS 32	012280	–	TS 32	012280	–	TS 32	012280	–	TS 32	012280	–	TS 32	012280	–
				TS 35x7,5	038340	–												
				TS 35x15	049800	–												
End bracket (thickness mm)			for TS 32	EWK 1 (8,5)	020616	50	EWK 1 (8,5)	020616	50	EWK 1 (8,5)	020616	50	EWK 1 (8,5)	020616	50	EWK 1 (8,5)	020616	50
			for TS 35	EW 35 (8,5)	038356	50												
End plate (thickness mm)				AP KrG (3)	019132	20				AP KrG	014672	20	AP KrG (3)	014672	20	AP KrG (3)	014672	20
Cross connection brackets							QL 2	019140	50	QL 2	019140	50	QL 2	020780	20	QL 2	020780	20
Type QL							QL 3	019150	50	QL 3	019150	50	QL 3	020790	20	QL 3	020790	20
Cross-connection bridges							QL 4	019160	20	QL 4	019160	20	QL 4	020800	20	QL 4	020800	20
Type QB							QL 10	033880	20	QL 10	033880	20	QL 10	033890	20	QL 10	033890	20
Fixing screw (matches QL)							BS M 3x6 m. SS	034620	100	BS M 3x6 m. SS	034620	100	BS M 4x9 m. SS	013330	100	BS M 4x9 m. SS	013330	100
Screw cap (spare)				SK (5 x 20)	028210	20												
				SK (5 x 25)	028200	100												
Incandescent lamp										Neon lamp 230 V~	055030	–	Neon lamp 230 V~	055030	–	Neon lamp 230 V~	055030	–
										Neon lamp 115 V~	055020	–	Neon lamp 115 V~	055020	–	Neon lamp 115 V~	055020	–

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 41576¹⁾				
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

Technical data

Permissible pressure

Tube 6 x 1 mm
(internal 4 mm)
10 at = 9.81 bar

Tube 6 x 1 mm
(internal 4 mm)
10 at = 9.81 bar

Ordering data

Version
PA

Cat. No. Qty.
021746 20

Cat. No. Qty.
028056 20

Sealing cap



Type Cat. No. Qty.
KA 029236 200

Type Cat. No. Qty.
KA 029236 200

Elbow



Type Cat. No. Qty.
WK 029556 50

Type Cat. No. Qty.
WK 029556 50

Dimensions

Width / length / height (mm) with TS 32

Insulation stripping length/clamping screw/screwdriver blade

Rated data

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

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

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

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2...5-pole A
Continuous current rating of cross-connection 6...10-pole A

UL / CSA rated data

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

Ordering data

Type
KrG
PA
Without diode PA
With diode PA
Blue PA
Orange PA
KrG
PA
Without diode PA
Blue
End plate (thickness mm)
KrG
PA
blue PA

with 2 StB⁵)
with 2 StB⁵)
with 2 StB⁵)
with 2 StB⁵)

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

1 2 3 4 5 6

Consecutive horizontal
vertical Printed

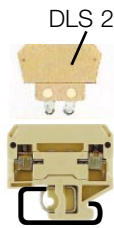
See section 3 for mounting rails and end brackets

See section 3 for mounting rails and end brackets

SAKR



SAKR-D



DKT 4



DKT 4 V



ASK 1



6.5/42/40.5/54.5 (open) 8 mm/M 3/3,5 x 0,6	6,5/42/40,5/57 (with DLS 2) 8 mm/M 3/3,5 x 0,6	6/65/56,5/70 (open) 9 mm/M 3/3,5 x 0,6	6/65/56,5/70 (open) 9 mm/M 3/3,5 x 0,6	8/58/49 9 mm/M 3/3,5 x 0,6	
400 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

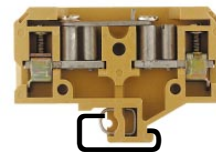
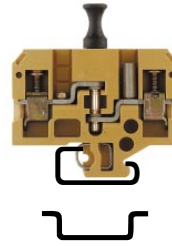
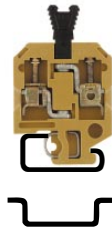
Disconnect terminals

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

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

500 V/27 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

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

500 V/47 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

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

500 V/63 A/10 mm ²
6 kV/3

1,2...2,4
4

0,5...16
1,5...16
0,5...10
0,5...10
B 6

(QL 2...5) 47

(QL 6...10) 36

End plate (thickness mm)

Type	Cat. No.	Qty.
KrG	AP (1,5)	011792 20
KrS		
PA		

Partition (thickness mm)

Type	Cat. No.	Qty.
KrG		
KrS		
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	
StB	Plug-test socket (without using QL)

Disconnecter plug (spare)

TST 4	138060 20
ZI WE	062306 10

Marking tags

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

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

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

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

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

* The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

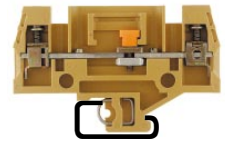
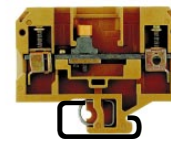
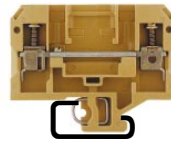
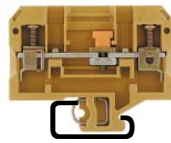
Test disconnect terminal blocks

SAKT 1/LT

SAKT 1/DU 1

SAKT 1/QT 1

SAKT 2/LT



Dimensions

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

8/65/52,5
12 mm/M 3,5/4,0 x 0,8

8/65/52,5
12 mm/M 3,5/4,0 x 0,8

8/65/52,5
12 mm/M 3,5/4,0 x 0,8

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

Rated data

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

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

400 V/27 A/6 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

0,8...1,6
3

Clampable conductor

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

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

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

0,5...10
1,5...10
0,5...6
0,5...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** -

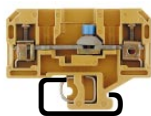
FW 6.5 **046816** -
FS 6.5 **046826** -

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

End plate / partition/Small partition (thickness mm)

KrG

Type Cat. No. Qty.

KrG

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

PA

PA

HP

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

TSch 2 **035366** 100

Type Cat. No. Qty.

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

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

TSch 2 **035366** 100

Cross-connection



QL 2

QL 3

QL 4

VH 12



VH 19



QVSK 2



BS 25

blank



QVS 3



QS 2



QVS 4

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

QL 2 **015590** 100

QL 3 **015600** 100

QL 4 **015610** 50

QL 10 **033810** 20

VH 8 **026670** 100

BS M 3x15 Cu **037720** 100

QVS 2 **131926** 20

VH 16 **030970** 50

BS M 3 x 22 **131990** 50

Switchable cross-connection link



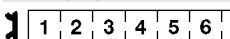
Disconnect lock

SSP 4 **131936** 20

SSP 4 **131936** 20

Marking tags

Print



Consecutive horizontal

Consecutive vertical

FW 6.5 **046816** -

FS 6.5 **046826** -

FW 6.5 **046816** -

FS 6.5 **046826** -

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

Feed-through terminals with tab connection

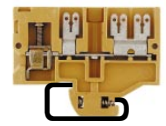
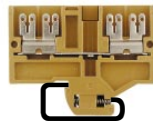
Disconnect terminals with tab connection

AST 1

AST 3

AST 4

AST 5



Dimensions

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

Rated data

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

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

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

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

UL / CSA rated data

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

Ordering data

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

6,5/58/53,5

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

(QL 2...10) 36

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

		Cat. No.	Qty.
		047822	50
		047826²⁾	50
		026632	50
		026636²⁾	50

6,5/40/47,5

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

(QL 2...10) 36

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

		Cat. No.	Qty.
		044242	100
		023686²⁾	100
		029802	100
		023676²⁾	100

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

500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

(QL 2...10) 36

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

		Cat. No.	Qty.
		043912	100
		023726	100
		032122	100
		023716	100

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

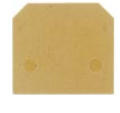
500 V¹⁾/ - /2,5/1,0 mm²
6 kV/3

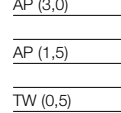
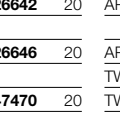
(QL 2...10) 36

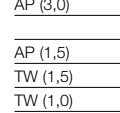
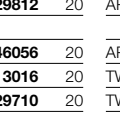
300 V/13 A/22...12 AWG
300 V/16 A/24...12 AWG

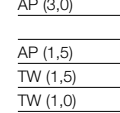
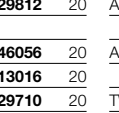
		Cat. No.	Qty.
		047922	50
		047926	50
		033452	50
		033456	50

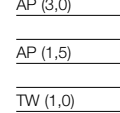
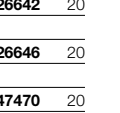
End plate/partition/small partition (thickness mm)

	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.
	KrG	AP (3,0)	029812 20
	Blue KrG		
	PA	AP (1,5)	046056 20
	PA	TW (1,5)	013016 20
	HP	TW (1,0)	029710 20
	HP		
	TSch 1	TSch 1	031916 100

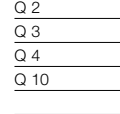
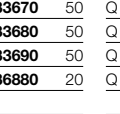
	Type	Cat. No.	Qty.
	KrG	AP (3,0)	029812 20
	Blue KrG		
	PA	AP (1,5)	046056 20
	PA	TW (1,5)	013016 20
	HP	TW (1,0)	029710 20
	HP		
	TSch 1	TSch 1	031916 100

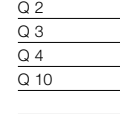
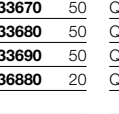
	Type	Cat. No.	Qty.
	KrG	AP (3,0)	029812 20
	Blue KrG		
	PA	AP (1,5)	046056 20
	PA	TW (1,5)	013016 20
	HP	TW (1,0)	029710 20
	HP		
	TSch 1	TSch 1	031916 100

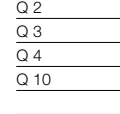
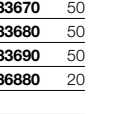
	Type	Cat. No.	Qty.
	KrG	AP (3,0)	026642 20
	Blue KrG		
	PA	AP (1,5)	026646 20
	PA		
	HP	TW (1,0)	047470 20
	HP	TW (2,0)	060700 20
	TSch 1	TSch 1	031916 100

Cross-connection

		Cat. No.	Qty.
	2-pole	Q 2	033670 50
	3-pole	Q 3	033680 50
	4-pole	Q 4	033690 50
	10-pole	Q 10	036880 20
	25-pole		
			

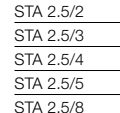
		Cat. No.	Qty.
	2-pole	Q 2	033670 50
	3-pole	Q 3	033680 50
	4-pole	Q 4	033690 50
	10-pole	Q 10	036880 20
	25-pole		
			

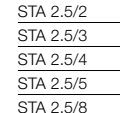
		Cat. No.	Qty.
	2-pole	Q 2	033670 50
	3-pole	Q 3	033680 50
	4-pole	Q 4	033690 50
	10-pole	Q 10	036880 20
	25-pole		
			

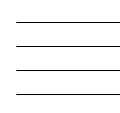
		Cat. No.	Qty.
	2-pole	Q 2	033670 50
	3-pole	Q 3	033680 50
	4-pole	Q 4	033690 50
	10-pole	Q 10	036880 20
	25-pole		
			

Plug adapter

		Cat. No.	Qty.
	2-pole	STA 2.5/2	016586 100
	3-pole	STA 2.5/3	016596 50
	4-pole	STA 2.5/4	019036 50
	5-pole	STA 2.5/5	016606 50
	8-pole	STA 2.5/8	016616 50

		Cat. No.	Qty.
	2-pole	STA 2.5/2	016586 100
	3-pole	STA 2.5/3	016596 50
	4-pole	STA 2.5/4	019036 50
	5-pole	STA 2.5/5	016606 50
	8-pole	STA 2.5/8	016616 50

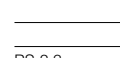
		Cat. No.	Qty.
	2-pole	STA 2.5/2	016586 100
	3-pole	STA 2.5/3	016596 50
	4-pole	STA 2.5/4	019036 50
	5-pole	STA 2.5/5	016606 50
	8-pole	STA 2.5/8	016616 50

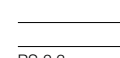
		Cat. No.	Qty.
	2-pole	STA 2.5/2	016586 100
	3-pole	STA 2.5/3	016596 50
	4-pole	STA 2.5/4	019036 50
	5-pole	STA 2.5/5	016606 50
	8-pole	STA 2.5/8	016616 50

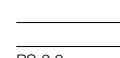
Test plug/Socket

Plug-test socket without using QL for TS 32

		Cat. No.	Qty.
	PS	PS 2.3	018040 20
	StB		

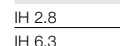
		Cat. No.	Qty.
	PS	PS 2.3	018040 20
	StB		

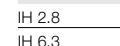
		Cat. No.	Qty.
	PS	PS 2.3	018040 20
	StB		

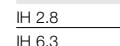
		Cat. No.	Qty.
	PS	PS 2.3	018040 20
	StB		

Insulation sleeve

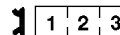
		Cat. No.	Qty.
	IH 2.8	038606	100
	IH 6.3	038626	100

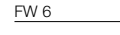
		Cat. No.	Qty.
	IH 2.8	038606	100
	IH 6.3	038626	100

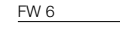
		Cat. No.	Qty.
	IH 2.8	038606	100
	IH 6.3	038626	100

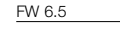
		Cat. No.	Qty.
	IH 2.8	038606	100
	IH 6.3	038626	100

Marking tags

		Cat. No.	Qty.
	Consecutive horizontal	FW 6.5	046816 -
	Consecutive vertical		

		Cat. No.	Qty.
	Consecutive horizontal	FW 6	046866 -
	Consecutive vertical		

		Cat. No.	Qty.
	Consecutive horizontal	FW 6	046866 -
	Consecutive vertical		

		Cat. No.	Qty.
	Consecutive horizontal	FW 6.5	046816 -
	Consecutive vertical		

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

¹⁾ with Insulation sleeve

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

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

Continuous current rating of cross-connection multipole 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

Ordering data

Version

Slotted KrG

 Cat. No. Qty.
040122 100

 Cat. No. Qty.
047962 100

 Cat. No. Qty.

Blue, slotted KrG

047967 100

047967 100

Slotted PA

040126 100

047966 100

066366 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

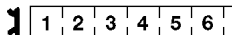
IH 2.8 **038606** 100
IH 6.3 **038626** 100

PS 2.3 **018040** 20

IH 2.8 **038606** 200

Marking tags

Print

 Consecutive horizontal
Consecutive vertical

FW 6.5 **046816** -

FW 6.5 **046816** -

FW 6.5 **046816** -

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

¹⁾ With insulation sleeve

* The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

Feed-through terminals with tab connection

DK 4 S

DK 4 S 2,8 only



Dimensions

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

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

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

Rated data

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

400 V¹⁾/2 x 10/4/1,0 mm²
6 kV/3

400 V¹⁾/2 x 10/4/2,5/1,0 mm²
6 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,5...1,0
2

0,5...1,0
2

Clampable conductor

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

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

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

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

(QL 2...10) 20
(QL 2...10) 20

(QL 2...10) 20
(QL 2...10) 20

UL / CSA rated data

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

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

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

Ordering data Version PA

 Cat. No. Qty.
063126 100

 Cat. No. Qty.
063116 100

End plate (thickness mm)



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

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

Partition



HP TW HP (2,0) **060700** 20

HP TW HP (2,0) **060700** 20

Small partition



TSch 6 **019026** 100

TSch 6 **019026** 100

Cross-connection

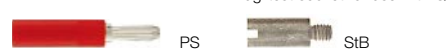


2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

2-pole Q 2 **033640** 50
3-pole Q 3 **033650** 50
4-pole Q 4 **033660** 50
10-pole Q 10 **036860** 20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL



StB 8.5 **021570** 50

StB 8.5 **021570** 50

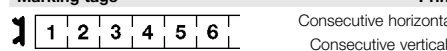
Insulation sleeve



PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

PS 2.3 **018040** 20
IH 2.8 **038606** 100
IH 6.3 **038626** 100

Marking tags



FW 6 **046866** -

FW 6 **046866** -

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

¹⁾ with Insulation sleeve

Feed-through terminals for wrap termination DIN 41 611, Part 2 and for spring clip termination DIN 41 611, Part 4

SAK 2.5 T

Pin 1 x 1



SAK 2.5 T

Pin 0,8 x 1,6



SAK 2.5 T

Pin 0,8 x 2,4



Dimensions

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

6/36,5/47,5/67
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/62
12 mm/M 2,5/3,5 x 0,6

6/36,5/47,5/69
12 mm/M 2,5/3,5 x 0,6

Rated data

Rated voltage / current / cross-section

250 V/8 A/2,5 mm²

250 V/10 A/2,5 mm²

250 V/10 A/2,5 mm²

Rated impulse voltage VDE 0110/1.89/Pollution severity

4 kV/3

4 kV/3

4 kV/3

Further technical data

Tightening torque range Nm

0,4...0,7

0,4...0,7

0,4...0,7

Torque setting with DMS 2 electric screwdriver

1

1

1

Clampable conductor

solid H07V-U mm²

0,5...6

0,5...6

0,5...6

stranded H07V-R mm²

0,5...2,5

0,5...2,5

0,5...2,5

flexible H07V-K mm²

0,5...4

0,5...4

0,5...4

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

0,5...2,5

0,5...2,5

0,5...2,5

Plug gauge according to 947-1 Size

A 3

A 3

A 3

Continuous current of terminal block for conductor size

(Q 2...10) 27

(Q 2...10) 27

(Q 2...10) 27

Continuous current rating of cross-connection 2-pole

A

Continuous current rating of cross-connection multipole

A

UL / CSA rated data

Voltage / current / conductor size UL

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

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

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

Voltage / current / conductor size CSA

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

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

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

Ordering information

	Pin	Version
	Right	KrG
	Horizontal left	KrG
	Horizontal right	KrG
	Vertical left	KrG
	Vertical right	KrG
	2x vertical	KrG

Horizontal assembly Vertical assembly

right PA 010856¹⁾ 100

End plate (thickness mm)

	KrG	Type	Cat. No.	Qty.
		AP (1,5)	027952	20
	PA	AP (1,5)	027956	20

Type Cat. No. Qty.

AP (1,5) 027952 20

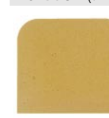
AP (1,5) 027956 20

Type Cat. No. Qty.

AP (1,5) 027952 20

AP (1,5) 027956 20

Partition (thickness mm)

	KrG	TW (2,5)	030282	20
	PA	TW (1,5)	030286	20
	HP	TW (0,5)	019710	20
	HP	TW (2,0)	060700	20

TW (2,5) 030282 20

TW (1,5) 030286 20

TW (0,5) 019710 20

TW (2,0) 060700 20

TW (2,5) 030282 20

TW (1,5) 030286 20

TW (0,5) 019710 20

TW (2,0) 060700 20

Small partition

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

TSch 1 031916 100

TSch 1 031916 100

Cross-connection

	2-pole	Q 2	033700	50
	3-pole	Q 3	033710	50
	4-pole	Q 4	033720	50
	10-pole	Q 10	036870	20

Q 2 033700 50

Q 3 033710 50

Q 4 033720 50

Q 10 036870 20

Q 2** 033700 50

Q 3** 033710 50

Q 4** 033720 50

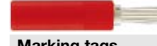
Q 10** 036870 20

Test plug/Socket

Plug-test socket without using QL	StB 8.5 (ø 2,3)	028060	50
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StB 8.5 (ø 2,3) 028060 50

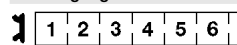
StB 8.5 (ø 2,3) 028060 50

	PS	StB	PS 2.3	018040	20
--	----	-----	--------	--------	----

PS 2.3 018040 20

PS 2.3 018040 20

Marking tags

	Consecutive horizontal	FW 6	046866	-
	Consecutive vertical			

FW 6 046866 -

FW 6 046866 -

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

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

** not for type 2x vertical

Feed-through terminals

Disconnect terminals for wrap connection DIN 41 611, Part 2 and for spring clip connection DIN 41 611, Part 4

DK 4 T

DK 4 T

DK 4 T

SAKRT



Dimensions

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

6/50/58,5/75,5
9 mm/M 3/3,5 x 0,6

6/50/60,5/77,5
9 mm/M 3/3,5 x 0,6

6/50/67,5/84,5
9 mm/M 3/3,5 x 0,6

6/42/40,5/54,5
8 mm/M 3/3,5 x 0,6

Rated data

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

250 V/8 A/4 mm²
4 kV/3

250 V/10 A/4 mm²
4 kV/3

250 V/10 A/4 mm²
4 kV/3

250 V/6/8 A/4 mm²
4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,5...1,0
1

0,5...1,0
1

0,5...1,0
1

0,5...1,0
2

Clampable conductor

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

0,5...4
1,5...4
0,5...4
0,5...4
A3

0,5...4
1,5...4
0,5...4
0,5...4
A3

0,5...4
1,5...4
0,5...4
0,5...4
A3

0,5...6
1,5...4
0,5...4
0,5...4
A3

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

(Q 2...10) 20
(Q 2...10) 20

(Q 2...10) 20
(Q 2...10) 20

(Q 2...10) 20
(Q 2...10) 20

(QB 2...10) 10
(QB 2...10) 10

UL / CSA rated data

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

–
–

–
–

–
–

–
–

Ordering information

Pin Type
Right PA
Left PA
Horizontal right PA
Horizontal right Blue PA
Vertical right PA
Vertical right Blue PA
Vertical PA
Vertical left PA
DK 4 QT bridgeable on both levels Right PA
Horizontal right PA
Vertical right PA

 Cat. No. Qty.
053656 50

139846¹⁾ 50

139856¹⁾ 50
139866¹⁾ 50

 Cat. No. Qty.

037046¹⁾ 50
037048¹⁾ 50

037036¹⁾

068586¹⁾ 50

139876¹⁾ 50
139886¹⁾ 50

 Cat. No. Qty.

052776¹⁾ 50

139876¹⁾ 50
139886¹⁾ 50

 Cat. No. Qty.

Pin 1 x 1 058746 100

Pin 0,8 x 2,4 054506 100

Pin 0,8 x 1,6 046936 100

End plate / partition (thickness mm)

PA
Blue PA

Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 035926 20

AP (1,5) 035928 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 021136 20

AP (1,5) 021136 20
TW (2,0) 060700 20

Small partition

TSch 4

TSch 4 036336 100

TSch 4 036336 100

TSch 4 036336 100

TSch 4 036336 100

Cross-connection/Covers

2-pole
3-pole
4-pole
10-pole
QB 3
QB 4
25-pole

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

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

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

Q 2 033640 50
Q 3 033650 50
Q 4 033660 50
Q 10 036860 20
QB 2* 048270 100
QB 3* 048280 50
QB 4* 048290 50
QB 25 blank* 013400 20

Test plug/Socket

Plug-test socket without using QL

StB 8.5 (ø 2,3) 021570 50

StB 8.5 (ø 2,3) 021570 50

StB 8.5 (ø 2,3) 021570 50

StB 8.5 (ø 2,3) 021570 50

PS StB

PS 2.3 018040 20

PS 2.3 018040 20

PS 2.3 018040 20

PS 2.3 018040 20

Marking tags

Consecutive horizontal
Consecutive vertical

dekafix 6 046866 –

dekafix 6 046866 –

dekafix 6 046866 –

dekafix 6 046866 –

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

* The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used
** Only to be used with PA versions

¹⁾ Shock-proof with ADP4 cover profile (see page 3/23)

Version

Block* of 10 plates fitted with pins and an empty plate which acts as the end plate. The plates can be mounted as desired for larger numbers of poles. The AVR blocks listed here are coded from 1 to 9. The 10th. plate is free for decade markings.

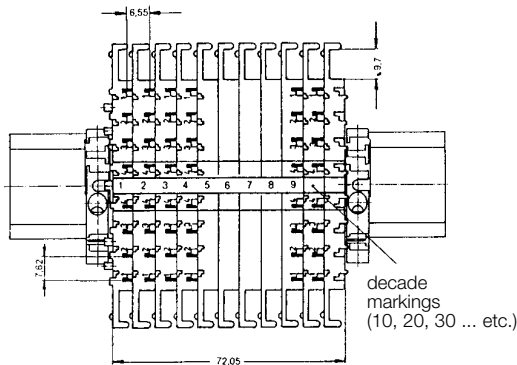
* Block length = 72.05 mm

Nominal voltage according to DIN 0110
Insulation group C

Pin dimensions	Grid dim. in mm	
mm	6.55	7.62
0.6 x 0.6	380 V~	380 V~
1.0 x 1.0	380 V~	380 V~
0.8 x 1.6	380 V~	380 V~
0.8 x 2.4	250 V~	380 V~

Applications

Interface system for use in 19" cabinets whose doors can only be opened outwards. Primarily decentralised arrangement, i.e. next to electronic modules. The pin arrangement allows operation from the front. The individual conductors with 8 colour codes from stranded cables can be systematically connected to 8 pins respectively. The pins are matched via a beige/yellow colour code. The block designation is performed by coordinates. Markings 1 to 9 and the decade markings are in the direction of mounting. For the markings 1 to 4 per level, see the diagram below. Side tabs assign the individual conductors to the respective level.



Dimensions

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

Rated data

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

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

Clampable conductor

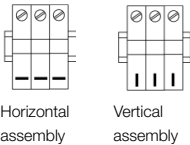
solid H07V-U mm²
stranded H07V-R mm²
flexible H07V-K mm²
flexible H07V-K and AEH DIN 46 228/1 mm²
Plug gauge according to 947-1 Size
Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

UL / CSA rated data

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

Ordering data/Pin version (internal)

Vertical 0.8 x 1.6
Horizontal 0.8 x 1.6
Vertical 0.8 x 2.4
Horizontal 0.8 x 2.4
0.8 x 2.4 on 1 x 1



Plug adapter

6,55/39/60/86

250 V/4/6 A
4 kV/3

Cat. No.	Qty.
046376	8
046366	8
046396	8
046386	8
049796	8

Additional versions available
on request

Type	Cat. No.	Qty.
DSA 1	057606	50

Marking tags

dekafix 5 FW 10, 20, 30, 40 etc.

013266

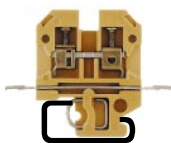
Feed-through terminals

Disconnect terminals

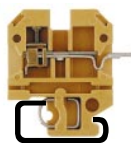
with solder connection

SAK 2.5/M.LS

with Screen lug



SAK 2.5 L



SAK 2.5 LL



SAKR L



Dimensions

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

6/60/46,5
12 mm/M 2,5/3,5 x 0,6

6/44,5/46,5
12 mm/M 2,5/3,5 x 0,6

6/55/46,5

6,5/50/40,5/54,5 (open)
8 mm/M 3/3,5 x 0,6

Rated data

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

250 V/20 A/2,5/1,5 mm²
4 kV/3

250 V/20 A/2,5/1,5 mm²
4 kV/3

250 V/20 A/1,5 mm²
4 kV/3

250 V/10 A/4/1,5 mm²
4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

0,4...0,7
1

0,4...0,7
1

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

Clampable conductor

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

0,5...6
0,5...2,5
0,5...4
0,5...2,5
A 3

0,5...6
0,5...2,5
0,5...4
0,5...2,5
A 3

0,5...4
01,5...4
.5...4
0,5...2,5
A 3

Continuous current of terminal block for conductor size
Continuous current rating of cross-connection 2-pole A
Continuous current rating of cross-connection multipole A

(Q 2...10) 27

(Q 2...10) 27

(Q 2...10) 27

(QB 2...25) 10

UL / CSA rated data

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

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

–
300 V/10 A/22...12 AWG

–
300 V/10 A/26...12 AWG

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

Ordering data

Type	Cat. No.	Qty.
KrG	030912	100
Blue KrG		
KrS		
PA		
Blue PA		
KrG		
KrS		
PA		
Blue PA		

Type	Cat. No.	Qty.
KrG	035142	100
Blue KrG	035147	100
KrS		
PA	035146¹⁾	100
Blue PA		
KrG	054412*	100
KrS	054413*	100
PA	054416¹⁾	100
Blue PA		

Type	Cat. No.	Qty.
KrG	032362	100
Blue KrG	032367	100
KrS		
PA	032366¹⁾	100
Blue PA		
KrG		
KrS		
PA		
Blue PA		

Type	Cat. No.	Qty.
KrG		
Blue KrG		
KrS		
PA	041236	100
Blue PA		
KrG		
KrS		
PA	041246*	100
Blue PA	041248*	100

End plate / partition (thickness mm)

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA		
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060700	20

Type	Cat. No.	Qty.
KrG	AP (1,5) 030922	20
Blue KrG	AP (1,5) 030927	20
PA	AP (1,5) 027956	20
Blue PA		
PA	TW (1,5) 030286	20
HP	TW (1,0) 029710	20
HP	TW (2,0) 060702	20

Type	Cat. No.	Qty.
KrG		
Blue KrG		
PA	AP (1,5) 021136¹⁾	20
Blue PA	AP (1,5) 021138	20
PA		
HP		
HP	TW (2,0) 060700	20

Small partition

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1	031916	100

Type	Cat. No.	Qty.
TSch 1		

Cross-connection

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

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

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

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

Type	Cat. No.	Qty.
2-pole	QB 2** 048270	100
3-pole	QB 3** 048280	50
4-pole	QB 4** 048290	50
25-pole	QB 25 blank** 013400	20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL

Type	Cat. No.	Qty.
PS		
StB		

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
StB 8.5 (ø 2,3)	028060	50
StB 29.5 (ø 4)	013340	50
PS 2.3	018040	20
PS 4	029960	20

Type	Cat. No.	Qty.
PS 2.3	018040	20

Cover

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4	030340	50
BSK M 3 x 22	012890	100

Type	Cat. No.	Qty.
AD 4		
BSK M 3 x 22		

Marking tags

Print	Cat. No.	Qty.
Consecutive horizontal	FW 6 046866	
Consecutive vertical	FS 6 046876	

Print	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Print	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Print	Cat. No.	Qty.
FW 6	046866	
FS 6	046876	

Print	Cat. No.	Qty.
FW 6.5	046816	
FS 6.5	046826	

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

* Solder lug on left

** The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

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

Feed-through terminals

Disconnect terminals

with solder connection

SAKR L

with 1 x StB 6



SAKR L

with 2 StB 6

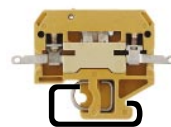


SAKR LL



SAKR LL

with 2 StB 6



Dimensions

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

6,5/50/40,5/54,5 (open)
8 mm/M 3/3,5 x 0,6

6,5/50/40,5/54,5 (open)
8 mm/M 3/3,5 x 0,6

6,5/58/40,5/54,5 (open)

6,5/58/40,5/54,5 (open)

Rated data

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

250 V/10 A/4/1,5 mm²
4 kV/3

250 V/10 A/4/1,5 mm²
4 kV/3

250 V/10 A/1,5 mm²
4 kV/3

250 V/10 A/1,5 mm²
4 kV/3

Further technical data

Tightening torque range Nm
Torque setting with DMS 2 electric screwdriver

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

0,5...1,0
1

Clampable conductor

solid H07V-U 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

0,5...4
1,5...4
0,5...4
0,5...2,5
A 3
(QB 2...25) 10

0,5...4
1,5...4
0,5...4
0,5...2,5
A 3
(QB 2...25) 10

UL / CSA rated data

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

–
300 V/10 A/22...12 AWG

–
–

–
300 V/10 A/22...12 AWG

–
300 V/10 A/22...12 AWG

Ordering data

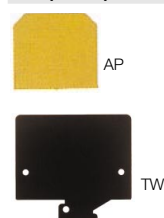
Type  Cat. No. Qty.
KrG
Blue KrG
KrS
PA 041256 100
Blue PA
KrG
KrS
PA 041266* 100
Blue PA

Type  Cat. No. Qty.
051812* 100
051816* 100
051816* 100
057266 100

Type  Cat. No. Qty.
046446 100
046448 100
046446 100
046448 100

Type  Cat. No. Qty.
029422 100
029426 100
029426 100
029426 100

End plate / partition (thickness mm)



Type Cat. No. Qty.
KrG
Blue KrG
PA AP (1,5) 021136 20
Blue PA AP (1,5) 021138 20
PA
HP
HP TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 021132 20
AP (1,5) 021136 20
AP (1,5) 021138 20
TW (0,5) 047470 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 021132 20
AP (1,5) 021136 20
AP (1,5) 021138 20
TW (0,5) 047470 20
TW (2,0) 060700 20

Type Cat. No. Qty.
AP (1,5) 021132 20
AP (1,5) 021136 20
AP (1,5) 021138 20
TW (0,5) 047470 20
TW (2,0) 060700 20

Small partition



Cross-connection



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

2-pole QB 2** 048270 100
3-pole QB 3** 048280 50
4-pole QB 4** 048290 50
QB 25 blank** 013400 20

Test plug/Socket

Plug-test socket without using QL
Plug-test socket for use with QL



PS 2.3 018040 20

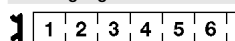
PS 2.3 018040 20

PS 2.3 018040 20

Cover

Marking tags

Print



Consecutive horizontal
Consecutive vertical

FW 6.5 046816
FS 6.5 046826

FW 6.5 046816
FS 6.5 046826

FW 6.5 046816
FS 6.5 046826

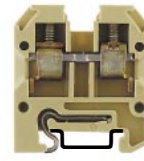
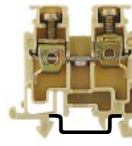
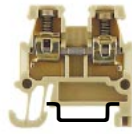
FW 6.5 046816
FS 6.5 046826

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

* Solder lug on left
** The conductor cross-section for the screw connection is reduced to 2,5 mm² when QB is used

Disconnect terminals

AKZ 4 for test adapter
AKZ 4/10 for test adapter



Max. Technical Data		21.5 A / 2.5 mm ²	26 A / 4 mm ²	38.5 A / 6 mm ²	38.5 A / 6 mm ²
Dimensions					
Width / length / height (mm)	with TS 15 	5/25/25	5/25,5/27	6/27/30	60/27/30
Insulation stripping length/clamping screw/screwdriver blade		7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	9 mm/M 3/3,5 x 0,6	9 mm/M 3/3,5 x 0,6
VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1					
Rated voltage / current / cross-section		400 V/17,5 A/1,5 mm ²	250 V/24 A/2,5 mm ²	500 V/32 A/4 mm ²	500 V/32 A/4 mm ²
Rated impulse voltage / Pollution severity		6 kV/3	4 kV/3	6 kV/3	6 kV/3
Further technical data					
Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,5...1,0	0,5...1,0
Torque setting with DMS 2 electric screwdriver		1	1	2	2
Clampable conductor					
solid H07V-U	mm ²	0,5...2,5	0,5...4	0,5...6	0,5...6
stranded H07V-R	mm ²	1,5	1,5...2,5	1,5...4	1,5...4
flexible H07V-K	mm ²	0,5...1,5	0,5...2,5	0,5...4	0,5...4
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...1,5	0,5...2,5	0,5...4	0,5...4
flexible H07V-K and AEH with plastic collar	mm ²	0,5...1,5	0,5...2,5	0,5...4	0,5...4
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size	0,2...2,5 / A 1	0,13...4,0 / A 3	0,2...6,0 / A 3	0,2...6,0 / A 3
Continuous current rating of cross-connection 2-pole		A 10	20	20	20
Continuous current rating of cross-connection multipole		A 10	20	20	20
UL / CSA rated data					
Voltage / current / conductor size		UL 150 V/15 A/22...14 AWG	300 V/10 A/22...12 AWG	300 V/27A/22...12 AWG	300V/27 A/22...12 AWG
Voltage / current / conductor size		CSA 300 V/10 A/24...16 AWG	300 V/10 A/26...10 AWG	300 V/10 A/24...12 AWG	300 V/10 A/24...12 AWG
Ordering data		Type  TS 15 Cat. No. Qty.	 TS 15 Cat. No. Qty.	 TS 15 Cat. No. Qty.	 TS 15 Cat. No. Qty.
	KrG			029432 100	
	PA	034046 100	(with spigot) 069716 100	029436 100	for test adapter 153826 100
	Blue PA	034048 100	(with spigot) 069718 100	029438 100	
	PA	(10pol.w/o.mrk.) 035806 10	(without spigot) 017596 100	(10pol.w/o.mrk.) 035956 10	w. mark./f. test ad. 148936 10
	PA	(10pol.w. mrk. 035816 10	AKZ 2.5 with AP 038586 50	(10pol.w. mrk.) 035966 1	ATA 1, 1-pole 163253 25
1)Test adapter ATA 1...					ATA 1, 10-pole 163324 5
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 QB 4		Q 2 036820 50	Q 2 036820 50	Q 2 033640 50	Q 2 033640 50
		Q 3 036830 50	Q 3 036830 50	Q 3 033650 50	Q 3 033650 50
		Q 4 036840 50	Q 4 036840 50	Q 4 033660 50	Q 4 033660 50
		Q 5 066030 20	Q 5 066030 20		
		Q 10 036850 20	Q 10 036850 20	Q 10 036860 20	Q 10 036860 20
Switchable cross-connection link					
 VL BS VH				VL 2 044670 50	VL 2 044670 50
				VH 10 044660 100	VH 10 044660 100
				BS M 2,5x14 026680 100	BS M 2,5x14 026680 100
Cover/cover profile for shock protection*					
 (see also on page 3/23)			Marking tags can be clipped over cross-connection	AD 4 030340 50	AD 4 030340 50
				BSK M 2,5x18 030330 100	BSK

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

*) rated voltage between PE and feed-through to VDE 0110/1.89

AKE 4



7/32/34
9 mm/M 3/3,5 x 0,6
IEC 947-7-2
690 V**/-/4 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

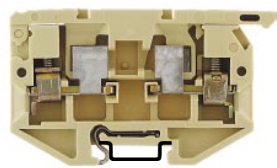


7/27,5/30
9 mm/M 3/3,5 x 0,6
-/-/4 mm ²
0,8...1,6
3
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,5...4.0 / A 3
-/-/22...14 AWG
TS 15 Cat. No. Qty.
021120 50

Type	Cat. No.	Qty.
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. 033740)		

1) The conductor cross-section for the screw connection is reduced to 2.5 mm² when QB is used

ASK 1



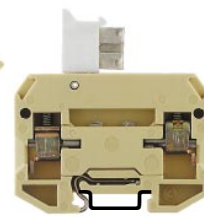
8/58/34
9 mm/M 3/3,5 x 0,6
500 V/6,3 A*/4 mm ²
6 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...2,5
0,5...2,5
0,13...4.0 / A 3
300 V/10 A/22...12 AWG
300 V/6,3 A/26...12 AWG
TS 15 Cat. No. Qty.
037686 100
5 x 20 without indicator
QB 2 ¹⁾ insul. 046110 50
QB 3 ¹⁾ insul. 046120 50
QB 4 ¹⁾ insul. 046130 50
contact sleeve 055330 100
FW 6.5 046816 500
FS 6.5 046826 500

Type	Cat. No.	Qty.
AP (1,5)	038036	20
QB 2 ¹⁾ insul.	046110	50
QB 3 ¹⁾ insul.	046120	50
QB 4 ¹⁾ insul.	046130	50
3-pole ganging with SchS 2, marking tag carrier, clipped onto three disconnect levers (Cat. No. 033740)		
contact sleeve	055330	100
FW 6.5	046816	500
FS 6.5	046826	500

* With contact sleeve 19 A

SAKR

with 2 sockets or
with 2 clamping screws

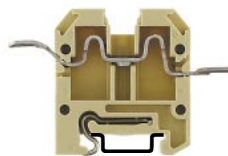


6,5/42/45
8 mm/M 3/3,5 x 0,6
400 V ²⁾ /10 A/4 mm ²
6 kV/3
0,5...1,0
2
0,5...4
1,5...4
0,5...4
0,5...4
0,5...4
0,13...4.0 / A 3
300 V/10 A/22...12 AWG
300 V/10 A/26...12 AWG
TS 15 Cat. No. Qty.
with 2 StB 041286 100
w. clamp. scrw. 041276 100
QB 2 ¹⁾ insul. 048270 50
QB 3 ¹⁾ insul. 048280 50
QB 4 ¹⁾ insul. 048290 50
QB 25 ¹⁾ blank 013400 20
PS 2.3 018040 20
FW 6.5 046816 500
FS 6.5 046826 500

Type	Cat. No.	Qty.
AP (1,5)	021136	20
QB 2 ¹⁾ insul.	048270	50
QB 3 ¹⁾ insul.	048280	50
QB 4 ¹⁾ insul.	048290	50
QB 25 ¹⁾ blank	013400	20

2) As disconnect terminal, rated voltage 250 V

AKZ 4 LL

Weidmüller 2/111

Feed-through terminals

Screw connection

Spring clip connection iaw. DIN 41611 Part 4

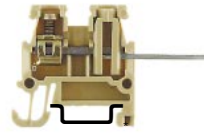
Wrap connection iaw. DIN/IEC 352 Part 1

AKZ 1.5 T

AKZ 1.5 T

AKZ 1.5 T

AKZ 2.5 K



* 035786 = 45 mm

Dimensions

Width / length / height (mm)	with TS 15	5/25/45	5/25/39,5	5/28/44	5/26/46,7
Pin dimension	mm	0,8 x 1,6	1 x 1	0,8 x 1,6	0,8 x 1,6
Insulation stripping length/clamping screw/screwdriver blade		7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5	7 mm/M 2,5/3,0 x 0,5
Rated data					
Rated voltage / current / cross-section		125 V/8 A/1,5 mm ²	125 V/8 A/1,5 mm ²	125 V/8 A/1,5 mm ²	125 V/10 A/2,5 mm ²
Rated impulse voltage VDE 0110/1.89/Pollution severity		2,5 kV/3	2,5 kV/3	2,5 kV/3	2,5 kV/3
Further technical data					
Tightening torque range	Nm	0,4...0,7	0,4...0,7	0,4...0,7	0,4...0,7
Torque setting with DMS 2 electric screwdriver		1	1	1	1
Clampable conductor					
solid H07V-U	mm ²	0,5...2,5	0,5...2,5	0,5...2,5	0,5...4
stranded H07V-R	mm ²	1,5	1,5	1,5	1,5...2,5
flexible H07V-K	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH DIN 46 228/1	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
flexible H07V-K and AEH with plastic collar	mm ²	0,5...1,5	0,5...1,5	0,5...1,5	0,5...2,5
Max. Clamping Range in mm ² / Gauge pin to IEC 947-1/1988	Size	0.13...2.5 / A1	0.13...2.5 / A1	0.13...2.5 / A1	0.13...4.0 / A3

Continuous current rating of cross-connection 2-pole	A	10	10	10	10
Continuous current rating of cross-connection multipole	A	10	10	10	10
UL / CSA rated data					
Voltage / current / conductor size	UL	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG	300 V/10 A/26...14 AWG
Voltage / current / conductor size	CSA	300 V/10 A/24...16 AWG	300 V/10 A/24...16 AWG	300 V/10 A/24...16 AWG	300 V/10 A/26...10 AWG

Ordering information		Pin versions			Type	Cat. No.	Qty.
	Horizontal assembly		Vertical assembly	0.6 x 0.6	AKZ 1.5 T	044256	100
				1.0 x 1.0	AKZ 1.5 T	035796	100
				0.8 x 1.6 horizontal	AKZ 1.5 W	032946	100
				0.8 x 1.6 vertical			
				0.8 x 2.4 horizontal			
				0.8 x 2.4 vertical			

End plate (thickness mm)	PA	AP (1,5)	034056	50	AP (1,5)	034056	50	AP (1,5)	034056	50	AP (2,5)	069726	50
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Partition (thickness mm)	PA										TW (1,5)	031856	20
---------------------------------	----	--	--	--	--	--	--	--	--	--	----------	--------	----

Small partition													
------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--

Cross-connection													
	2-pole	Q 2	036820	50	Q 2	036820	50	Q 2	036820	50	Q 2	036820	50
	3-pole	Q 3	036830	50	Q 3	036830	50	Q 3	036830	50	Q 3	036830	50
	4-pole	Q 4	036840	50	Q 4	036840	50	Q 4	036840	50	Q 4	036840	50
	10-pole	Q 10	036850	20	Q 10	036850	20	Q 10	036850	20	Q 10	036850	20

Switchable cross-connection link													
---	--	--	--	--	--	--	--	--	--	--	--	--	--

VL	BS	VH											
----	----	----	--	--	--	--	--	--	--	--	--	--	--

Test plug/Socket																					
Plug-test socket ø 2.3 mm				StB 8.5		021570		50		StB 8.5		021570		50		StB 8.5		021570		50	

PS	StB	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20	PS 2.3	018040	20
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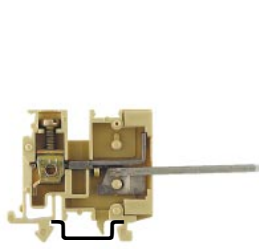
Marking tags	Print												
	Consecutive horizontal	FW 5	047346	500	FW 5	047346	500	FW 5	047346	500	FW 5	047346	500
	Consecutive vertical	FS 5	047356	500	FS 5	047356	500	FS 5	047356	500	FS 5	047356	500

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

AKZ 2.5 K



AKZ 2.5 K



AKZ 4 T



AKZ 4 T



AKZ 4 T



AKZ 4 ST



5/26/46,7

0,8 x 1,6

7 mm/M 2,5/3,0 x 0,5

250 V/8 A/2,5 mm²

4 kV/3

0,4...0,7

1

0,5...4

1,5...2,5

0,5...2,5

0,5...2,5

0,5...2,5

0.13...4.0 / A3

10

10

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

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

Type	Cat. No.	Qty.
AKZ 2.5 K	069546	100

AKZ 2.5 K	069556	100
-----------	---------------	-----

AKZ 2.5 K	069576	100
-----------	---------------	-----

AKZ 2.5 K	069566	100
-----------	---------------	-----

AP (2,5)

069726

50

TW (1,5)

031856

20

Q 2

036820

50

Q 3

036830

50

Q 4

036840

50

Q 10

036850

20

StB 8.5

021570

50

PS 2.3

018040

20

FW 5

047346

500

FS 5

047356

500

5/47,5/27

0,8 x 1,6

7 mm/M 2,5/3,0 x 0,5

250 V/8 A/2,5 mm²

4 kV/3

0,4...0,7

1

0,5...4

1,5...2,5

0,5...2,5

0,5...2,5

0,5...2,5

0.13...4.0 / A3

10

10

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

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

Type	Cat. No.	Qty.
AKZ 2.5 K	069586	100

AKZ 2.5 K	069596	100
-----------	---------------	-----

AKZ 2.5 K	069606	100
-----------	---------------	-----

AKZ 2.5 K	069616	100
-----------	---------------	-----

AP (2,5)

069726

50

TW (1,5)

031856

20

Q 2

036820

50

Q 3

036830

50

Q 4

036840

50

Q 10

036850

20

StB 8.5

021570

50

PS 2.3

018040

20

FW 5

047346

500

FS 5

047356

500

6/27/48,5

1 x 1

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

250 V/10 A/4 mm²

4 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.13...4.0 / A3

20

20

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

300 V/10 A/24...12 AWG

Type	Cat. No.	Qty.
AKZ 4 T	044586	100

AP (1,5)

029446

20

TW (1,5)

034826

50

TSch 4

036336

100

Q 2

033640

50

Q 3

033650

50

Q 4

033660

50

Q 10

036860

20

VL 2

044670

50

VH 10

044660

50

BS M 2,5 x 14

026680

100

StB 8.5

021570

50

PS 2.3

018040

20

FW 6

046866

500

FS 6

046876

500

6/27/50,5

0,8 x 1,6

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

250 V/10 A/4 mm²

4 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.13...4.0 / A3

20

20

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

300 V/10 A/24...12 AWG

Type	Cat. No.	Qty.
AKZ 4 T	034416	100

AKZ 4 T	034406	100
---------	---------------	-----

AP (1,5)

029446

20

TW (1,5)

034826

50

TSch 4

036336

100

Q 2

033640

50

Q 3

033650

50

Q 4

033660

50

Q 10

036860

20

VL 2

044670

50

VH 10

044660

50

BS M 2,5 x 14

026680

100

StB 8.5

021570

50

PS 2.3

018040

20

FW 6

046866

500

FS 6

046876

500

6/27/57,8

0,8 x 2,4

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

250 V/10 A/4 mm²

4 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.13...4.0 / A3

20

20

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

300 V/10 A/24...12 AWG

Type	Cat. No.	Qty.
AKZ 4 T	036646	100

AKZ 4 T	046166	100
---------	---------------	-----

AP (1,5)

029446

20

TW (1,5)

034826

50

TSch 4

036336

100

Q 2

033640

50

Q 3

033650

50

Q 4

033660

50

Q 10

036860

20

VL 2

044670

50

VH 10

044660

50

BS M 2,5 x 14

026680

100

StB 8.5

021570

50

PS 2.3

018040

20

FW 6

046866

500

FS 6

046876

500

6/27/50,2

0,8 x 1,6

-

250 V/10 A/2,5 mm²

4 kV/3

0,5...2,5 / -

20

20

-

-

Type	Cat. No.	Qty.
AKZ 4 ST	043926	100

AP (1,5)

029446

20

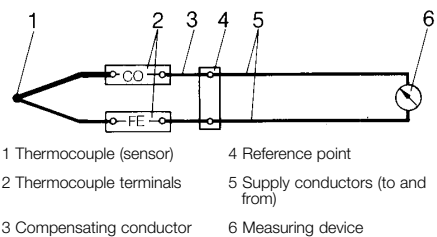
TW (1,5)

034826

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

- Busbar material corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Row width 14 mm including end plate

Configuration of a temperature measuring circuit



The thermocouple terminals displayed in this measurement circuit are used to thermoelectrically transmit thermal e.m.f. of the thermocouple to the reference point and indicating device via the thermocouple. Thermocouple terminals are required for the construction of temperature measuring circuits.

Technical data	
Thermocouples according to IEC 584 (DIN 43 710)	
	Busbar
	Constantan
	Iron



Dimensions		with TS 15	
Width / length / height (mm)		14/27/30	
Insulation stripping length/clamping screw/screwdriver blade		9 mm/M 3/3,5 x 0,6	
Rated data			
Rated voltage / current / cross-section		–/–/4 mm ²	
Further technical data			
Tightening torque range		Nm	0,5...1
Torque setting with DMS 2 electric screwdriver			2
Clampable conductor			
solid H07V-U		mm ²	0,5...4
stranded H07V-R		mm ²	1,5...4
flexible H07V-K		mm ²	0,5...4
flexible H07V-K and AEH DIN 46 228/1		mm ²	0,5...2,5
flexible H07V-K and AEH with plastic collar		mm ²	0,5...2,5
Plug gauge according to 947-1		Size	A 3
Continuous current of terminal block for conductor size			
Continuous current rating of cross-connection 2-pole		A	
Continuous current rating of cross-connection multipole		A	
UL / CSA rated data			
Voltage / current / conductor size		UL	
Voltage / current / conductor size		CSA	
Ordering information		Version	
for thermocouples according to IEC 584 (DIN 43710)	Type J	Fe – CuNi	TS 15 Cat. No. Qty. 162701 20
	Type T	Cu – CuNi	on request
	Type K	NiCr – Ni	167713 20
	Type E	NiCr – CuNi	on request
End plate		Cat. No.	
		AP (thickness 1.5 mm)	PA 029446 20
Partition		Cat. No.	
		TW (thickness 0.5 mm)	PA 034826 50
Marking tags		Print	
		Consecutive horizontal	FW 6 046866 500
		Consecutive vertical	FS 6 046876 500
For further accessories see section 3, further marking material see section 8			

Multipole terminal blocks Screw/tab connection

MK 5/2

KS 2...10

BK 2...12

MK 6/2...6/6



Dimensions

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

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

Rated voltage / current / cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

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

flexible H07V-K and AEH with plastic collar mm²

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

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

Version

Type Cat. No. Qty.

2-pole MK 5/2 KrG **024382** 100

3-pole

4-pole

4-pole

6-pole

6-pole

8-pole

8-pole

10-pole

12-pole

12-pole

Cover

D 2 (for MK 5/2) **024406** 50

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

300 V/25 A/24...12 AWG

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

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

300 V/30 A/22...10 AWG

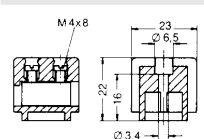
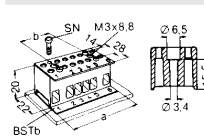
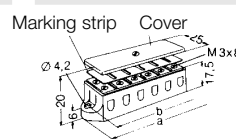
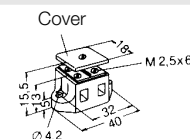
300 V/40 A/22...10 AWG



Cover D 2
(for MK 5/2)



Cover D 4
(for KS 4)



Dimensions

Type a b

KS 2 42 32

KS 4 66 56

KS 6 90 80

KS 10 138 128

Dimensions

Type a b

BK 2 20 -

BK 3 31 11

BK 4 38 18

BK 6 52 32

BK 12 92 72,5

Dimens. Length/attachment dim

Type KRG PA

MK 6/2 23,5

MK 6/3 36,5 13

MK 6/4 49,5 26 26

MK 6/6 75,5 25 52

Expansion rivet

Marking strips

Printed

1 ...

Unprinted

ELSb 2 **014320** 50

ELSb 4 **014330** 50

ELSb 6 **014340** 50

ELSb 10 **014350** 50

ELSo 2 **014280** 50

ELSo 4 **014290** 50

ELSo 6 **014300** 50

ELSo 10 **014310** 50

BSTb 28/2 **020360** 50

BSTb 28/3 **020380** 50

BSTb 28/4 **019730** 50

BSTb 28/6 **019750** 50

BSTb 28/12 **019880** 50

BSTo 28/2 **020350** 50

BSTo 28/3 **020370** 50

BSTo 28/4 **019720** 50

BSTo 28/6 **019740** 50

BSTo 28/12 **019870** 50

BSTb 28/6 **030460** 50

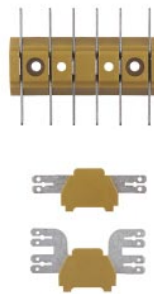
¹⁾ Projecting length = 1 mm. To be considered for the last terminal in a row!
Printed on top on request

²⁾ Please order cover and marking strips separately.

MDM 10/1



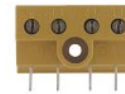
MF 1/6...1/12



SLS 2/2



SLS 2/4



Max. Technical Data

Dimensions

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

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

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range

Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U

mm²

stranded H07V-R

mm²

flexible H07V-K

mm²

flexible H07V-K and AEH DIN 46 228/1

mm²

flexible H07V-K and AEH with plastic collar

mm²Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988 Size63 A / 10 mm²

10/45/34,5

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

800 V/57 A/10 mm²

8 kV/3

1,2...2,4

4

1,5...16

1,5...10

1,5...10

1,5...10

1,5...10

1,5...16 / B 6

See table below

See below

Continuous current rating of cross-connection 2-pole A

47

Continuous current rating of cross-connection multipole A

36

UL / CSA rated data

Voltage / current / conductor size

UL

Voltage / current / conductor size

CSA

Ordering data

PA

Type Cat. No. Qty.

MDM 10/1 912616 50

Direct mounting with an MB left and MB right

300 V/10 A/24...12 AWG

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

Type Cat. No. Qty.

MF 1/6 KrG²⁾ 047972 100MF 1/6 KrG³⁾ 048002 100MF 1/8 KrG²⁾ 047982 50MF 1/8 KrG³⁾ 048012 50MF 1/12 KrG²⁾ 047992 50MF 1/12 KrG³⁾ 048022 50

Screw/plug 6,3 x 0,8

Type Cat. No. Qty.

SLS 2/2 KrG 021342 100

SLS 2/4 KrG 024042 50

SLS 2/4 KrG 048032 50

Slotted

Attachment bracket

MB left 912526 20

MB right 912536 20

BS M 4 x 20 036280 100

SS M 4 013640 100

Small partition



TSch 1 031916 100

Cross-connection



Q 3

Q 2 045710 50

Q 3 045720 50

Q 4 045730 50

Q 10 045740 20

Switchable cross-connection link



VL

BS

VH

VL 2 013590 50

VH 19 028510 50

BS M 3 x 25 029250 100

Test plug/Socket/Insulation sleeve

PS

StB

IH



StB 14 016990 50

PS 4 029960 20

Dimensions

Type a b c d

MF 1/6 52 34 9,5 6,5

MF 1/8 68 50 9,5 6,5

MF 1/12 113^{+0,5} 102 8 7,5

IH 2.8 038606 100

IH 6.3 038626 100

SN 020010 500

BSTb 10/6 024090 50

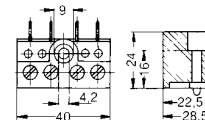
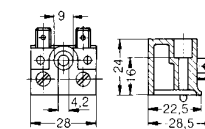
BSTb 10/8 024110 50

BSTb 10/12 020950 50

BSTo 10/6 024080 50

BSTo 10/8 024100 50

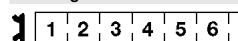
BSTo 10/12 020940 100



Cover/marking strips



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

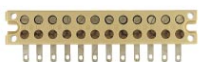
* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

²⁾ Single tab³⁾ Double tab

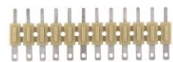
Multipole terminal blocks

Screw, solder, tab connection

MKL 2/12



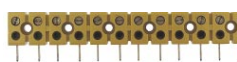
MF 2/12



MKL 3/12

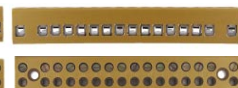


024362

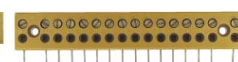


024992

MKL 4/16



026202



024432

Dimensions

Width / length / height (mm)

88/23/15 75/24/6 110/23/16 103/24/16,5

Insulation stripping length/clamping screw/screwdriver blade

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

Rated data

Rated voltage/rated current/rated cross-section

125 V/20 A/2,5/1,5/1 mm² 63 V/17,5 A/1,5/1 mm² 400 V*/20 A/2,5/1,5/1 mm² 400 V/20 A/2,5/1,5/1 mm²

Rated impulse voltage VDE 0110/1.89/Pollution severity

2,5 kV/3 1,5 kV/3 6 kV/3 6 kV/3

Further technical data

Tightening torque range

Nm 0,4...0,6 0,4...0,6 0,4...0,6 0,4...0,6

Torque setting with DMS 2 electric screwdriver

1 1 1 1

Clampable conductor

solid H07V-U

mm² 0,5...2,5 0,5...4 0,5...4 0,5...4

stranded H07V-R

mm² 1,5...2,5 1,5...2,5 1,5...2,5 1,5...2,5

flexible H07V-K

mm² 0,5...2,5 0,5...2,5 0,5...2,5 0,5...2,5

flexible H07V-K and AEH DIN 46 228/1

mm² 0,5...2,5 0,5...1,5 0,5...1,5 0,5...1,5

flexible H07V-K and AEH with plastic collar

mm² 0,5...2,5 0,5...1,5 0,5...1,5 0,5...1,5

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

0,2...2,5 / A 2 0,33...4,0 / A 2 0,33...4,0 / A 2 0,33...4,0 / A 2

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size

UL 300 V/10 A/24...12 AWG 300 V/25 A/22...12 AWG 300 V/25 A/22...12 AWG 300 V/25 A/22...12 AWG

Voltage / current / conductor size

CSA 300 V/10 A/24...12 AWG 300 V/25 A/22...12 AWG 300 V/25 A/22...12 AWG 300 V/25 A/22...12 AWG

Ordering data

Version

Horizontal

2-pole Type Cat. No. Qty. Type Cat. No. Qty. Type Cat. No. Qty. Type Cat. No. Qty.

Other numbers of poles available on request

4-pole 6-pole 12-pole 16-pole

MKL 2/12 PA 024136 50

MKL 3/2 KrG 027492** 100

MKL 3/4 KrG 027512** 100

MKL 3/6 KrG 027532** 50

MKL 3/12 KrG 024362** 20

MKL 4/16 KrG 026202*) 20

Vertical

2-pole 4-pole 6-pole 12-pole 16-pole

Other numbers of poles available on request

MKL 3/2 KrG 027602* 100

MKL 3/6 KrG 027642* 50

MKL 3/12 KrG 024992* 20

MKL 4/16 KrG 024432 20

double-sided 2.8 x 0.8

single-sided 0.8 x 1.6/2.8 x 0.8

MF 2/12 PA 024186 50

MF 2/12 PA 024176 50

* For terminals mounted directly next to each other, the rated voltage is reduced to 250 V.

** Rated voltage 250 V. For terminals mounted directly next to each other, the rated voltage is reduced to 125 V.

Expansion rivet/insulating sleeve

SN 020010 500

IH 2.8 038606 100

Marking strips

Printed BSTb 28/12 024570 50

1 ... Bottom

Top 027850 50

BSTb 28/4 028980 50

BSTb 28/6 029000 50

BSTb 28/12 024590 50

BSTb 28/16 026220 50

unten

oben 027870 50

unbedruckt BSTo 28/12 024560 50

BSTo 28/4 028930 50

BSTo 28/6 028950 50

BSTo 28/12 024580 50

BSTo 28/16 026210 50

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

* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

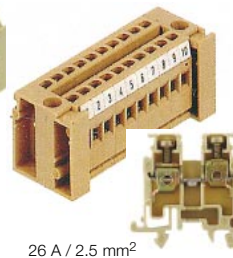
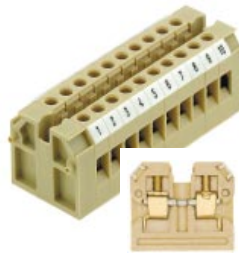
*) Rated voltage 250 V

Multipole terminal blocks
Screw, solder, tab connection
Modular design

AKB 4

AKZ 2.5

ASK 1



Max. Technical Data

Dimensions

Width / length / height (mm)

Insulation stripping length/clamping screw/screwdriver blade

VDE rated data, VDE 0611 Part 1/8.92/IEC 947-7-1

Rated voltage / current / cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic collar mm²

Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988 Size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering data

32 A / 4 mm²

6/27/23

9 mm/M 3/3,5 x 0,6

400 V/32 A/4 mm²

6 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...4

0,5...4

0.33...4.0 / A3

20

20

300/250 V/27 A/22...12 AWG

300 V/10 A/22...12 AWG

Type Cat. No. Qty.

AKB 4 PA **032156** 100

Blue PA **032158** 100

Direct mounting with BB 1,
please order separately

26 A / 2.5 mm²

5/25,5/22,6

7 mm/M 2,5/3 x 0,5

250 V/24 A/2,5 mm²

4 kV/3

0,4...0,7

1

0,5...4

1,5...2,5

0,5...2,5

0,5...2,5

0,5...2,5

0.13...4.0 / A3

10

10

300 V/10 A/26...10 AWG

Type Cat. No. Qty.

AKZ 2.5 **069716** 100

AKZ 2.5 **069718** 100

Direct mounting with BB 1,
please order separately

8/58/30,5

9 mm/M 3/3,5 x 0,6

500 V/6,3 A/4 mm²

6 kV/3

0,5...1,0

2

0,5...4

1,5...4

0,5...4

0,5...2,5

0,5...2,5

0.13...4.0 / A3

(QB 2...4) 10

300 V/6,3 A/26...12 AWG

Type Cat. No. Qty.

ASK 1 PA **037696** 100

(for G fuse inserts
5x 20 without indicator)

End plate/attachment bracket (thickness mm)



AP

BB 1 (7) **032056** 50

BS M 3 x 15 **035900** 100

PA

Blue PA

BB 4 (7,5) **069756** 50

AP (2,5) **069736** 50

AP (2,5) **069738** 50

AP (1,5) **038036** 20

Partition (Thickness mm)



TW PA (0,5) **034826** 50

Small partition



TSch 4 **036336** 100

Cross-connection



Q 3

Q 2 **033640** 50

Q 3 **033650** 50

Q 4 **033660** 50

Q 10 **036860** 20

Q 2 **036820** 50

Q 3 **036830** 50

Q 4 **036840** 50

Q 10 **036850** 20

QB 2¹⁾ **046110** 50

QB 3¹⁾ **046120** 50

QB 4¹⁾ **046130** 50

Switchable cross-connection link



VL

BS

VH

VL 2 **044670** 50

VH 10 **044660** 50

BS M 2,5 x 14 **026680** 100

Test plug/Socket



PS

StB

StB 8.5 **021570** 50

PS 2.3 **018040** 20

StB 8.5 **021570** 50

PS 2.3 **018040** 20

Cover/Diode plug

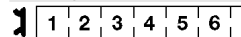


contact sleeve

AD 4 **030340** 50

BSK M 2,5x18 **030330** 100

Marking strips



Consecutive horizontal

Consecutive vertical

FW 6 **046866** 500

FS 6 **046876** 500

FW 5 **047346** 500

FS 5 **047356** 500

FW 6.5 **046816** 500

FS 6.5 **046826** 500

For further accessories see section 3, further marking material see section 8

¹⁾ The conductor cross-section is reduced to max. 2.5 mm² when QB is used

* With contact sleeve 19 A

Feed-through terminals Screw connection

Solder connection

Tab connection

Spring clip connection iaw. DIN 41 611 Part 4

Wrap connection iaw. DIN/IEC 352 Part 1

AKA 2.5



ADK 1



ADK 1 F ADK 3 F



ADK 1 S



Dimensions

Width / length / height incl. pins (mm)

Length solder tag/pin (mm)

Insulation stripping length/clamping screw/screwdriver blade

Rated data

Rated voltage/rated current/rated cross-section

Rated impulse voltage VDE 0110/1.89/Pollution severity

Further technical data

Tightening torque range Nm

Torque setting with DMS 2 electric screwdriver

Clampable conductor

solid H07V-U mm²

stranded H07V-R mm²

flexible H07V-K mm²

flexible H07V-K and AEH DIN 46 228/1 mm²

flexible H07V-K and AEH with plastic collar mm²

Max. Clamping Range in mm² / Gauge pin to IEC 947-1/1988Size

Continuous current rating of cross-connection 2-pole A

Continuous current rating of cross-connection multipole A

UL / CSA rated data

Voltage / current / conductor size UL

Voltage / current / conductor size CSA

Ordering information

Version for sheet metal mm:

PA

KrG

EP

Pin 0,6x0,6

Pin 1,0x1,0

Pin 0,8x1,6

FS 1x6,3 slotted/0,8x2,8

12-pole PA

End plate (thickness mm)

	KrG	Type	Cat. No.	Qty.
	PA	AP (3)	016252	100
	EP			

Spacer (thickness mm)

	KrG	ZP (1,5)	024072	50
	KrG	ZP (2,5)	028852	20

Partition (thickness mm)

	TW			

Test plug/Socket

	PS		StB	

Fuse pin/insulation sleeve/expansion rivet

	IH			

Marking tags

Print

	1	2	3	4	5	6
	Consecutive horizontal					
	Consecutive vertical					

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

FW 6	046866	500
FS 6	046876	500

For further accessories see section 3, further marking material see section 8

* Insulation sleeves are to be used for tab connections to maintain the rated voltage.

ADK 3 W

ADK 1 T

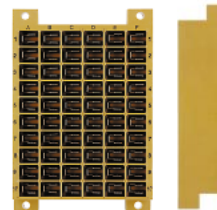
ADK 1 FT

MK 2/12

010916 Solder tag

[illegible]

SP 60 FF²⁾
SP 60 LF³⁾



2) $FF = Tab - Tab$
3) $LF = Solder - Tab$

SP 90 FF ²⁾
SP 90 LF ³⁾


$$\frac{40/45,5/228,5/110}{217/90}$$
$$\frac{400 \cdot V/16 A/2,5/1,5 \text{ mm}^2}{6 \text{ kV}/3}$$

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

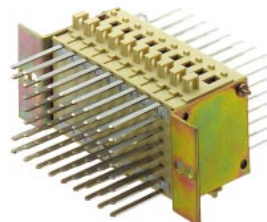
Type	Cat. No.	Qty.
DSA 1	057606	50

125 V/-/-	Cat. No.	Qty.
	044406	1
	054596	1

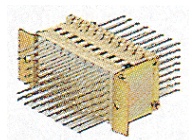
With shield pins

Type	Cat. No.	Qty.
DSA 1	057606	50

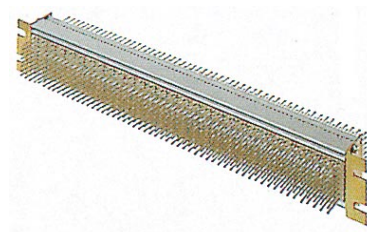
RV 4/9 short



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

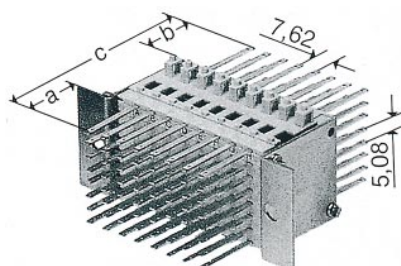
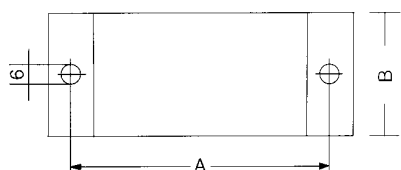
Type	Cat. No.	Qty.
DSA 1	057606	50
DSA 1/8	014076	40

125 V/-/-	Cat. No.	Qty.
	011936	1
	054446	1

Type	Cat. No.	Qty.
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125 V/-/-	Cat. No.	Qty.
	046226	1
	053306	1

Type	Cat. No.	Qty.
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Type	Size A in mm	Size B in mm
RV 8/8 K	81	40,64
RV 8/9 K	89	40,64
RV 8/8 L	93	40,64
RV 8/9 L	100	40,64
RV 8/20 K	187,62/31,5	63
RV 8/56 K	460/31,5	63

(K = short/L = long)

Bestell.-Nr.	RV	a	b	c
046886	8/8 L	26	20	200
046896	8/8 L	26	26	206
049896	8/9 L	26	20	200
049906	8/9 L	26	26	206
046716	8/8 K	26	20	84
046726	8/8 K	26	26	89
044406	8/9 K	26	20	84
054596	8/9 K	26	26	89
011936	8/20 K	26	20	84
054446	8/20 K	26	26	89
046226	8/56 K	26	20	84
053306	8/56 K	26	26	89
137896	4/9 K	26	20	84
138296	4/9 K	26	26	89

For further accessories see section 3, further marking material see section 8