Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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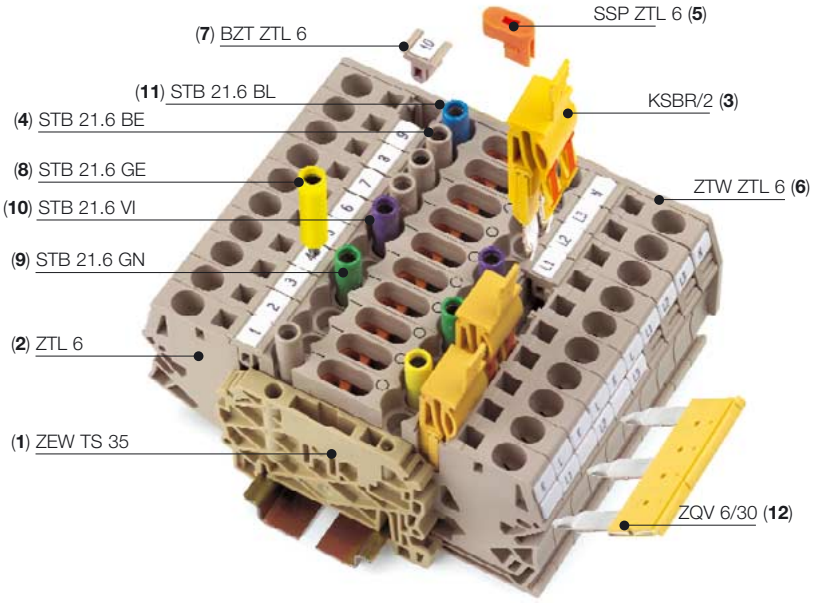
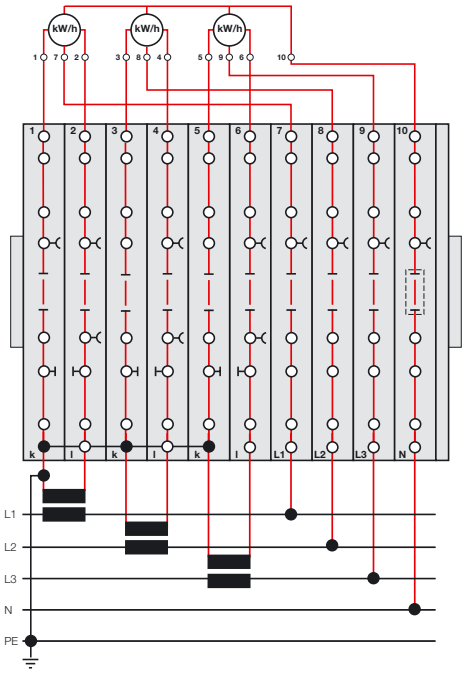
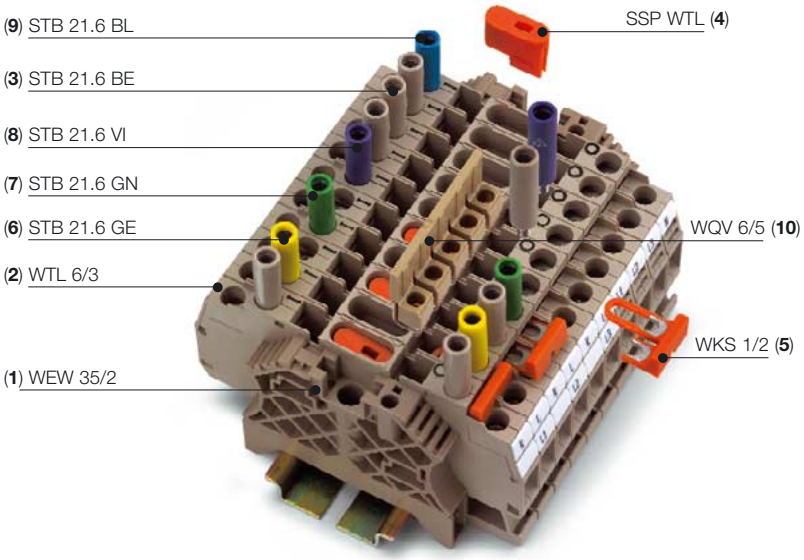
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

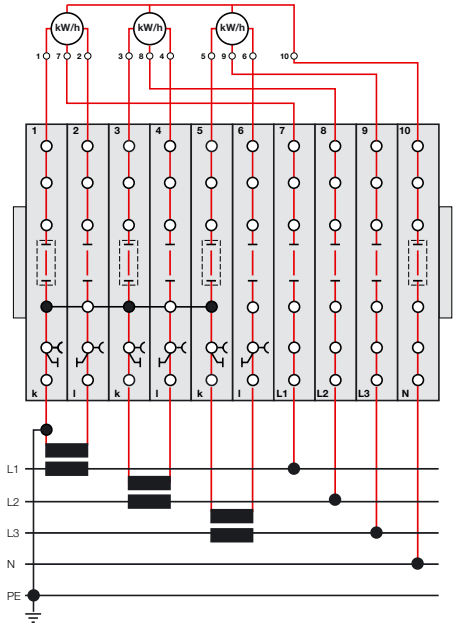
Disconnect test terminal block for counter reading with ZTL 6





Disconnect test terminal block for counter reading with WTL 6/3





Pos.	Type	Cat. No.	Pcs.
1	ZEW TS 35	**9540000000** (only TS 35)	2
1	EWK1	**0206160000** (only TS 32)	2
2	ZTL 6	**1771800000**	10
3	KSBR/2	**1771820000**	3
4	STB 21.6 BE	**1071000000**	11
5	SSP ZTL 6	**1771860000**	1
6	ZTW ZTL 6	**1771870000**	1
7	BZT ZTL 6	**1781140000**	4

Optional for a better marking
(instead of 11 x Pos. 5):

Pos.	Type	Cat. No.	Pcs.
5	STB 21.6 BE	**1071000000**	4
8	STB 21.6 GE	**1071010000**	2
9	STB 21.6 GN	**1071020000**	2
10	STB 21.6 VI	**1071030000**	2
11	STB 21.6 BL	**1071080000**	1

Optional for a common internal K-point:

Pos.	Type	Cat. No.	Pcs.
12	ZQV 6/30*	**1733640000**	1

* shorten to 5 poles

Pos.	Type	Cat. No.	Cat. No.	Pcs.
1	WEW35/2/EWK1	**1061200000**	**0206160000**	2
2	WTL 6/3	**1018800000**	**1018900000**	10
3	STB 21.6 BE	**1071000000**	**1071000000**	14
4	SSP WTL	**1604200000**	**1604200000**	4
5	WKS 1/2	**1604270000**	**1604270000**	3

Optional for a better marking for WTL 6/3
(instead of 14 x pos. 3):

Pos.	Type	Cat. No.	Cat. No.	Pcs.
3	STB 21.6 BE	**1071000000**	**1071000000**	7
6	STB 21.6 GE	**1071010000**	**1071010000**	2
7	STB 21.6 GN	**1071020000**	**1071020000**	2
8	STB 21.6 VI	**1071030000**	**1071030000**	2
9	STB 21.6 BL	**1071080000**	**1071080000**	1

Optional for a common internal K point:

Pos.	Type	Cat. No.	Cat. No.	Pcs.
10	WQV 6/5	**1062660000**	**1062660000**	1

Terminals for power stations

Power station technology is safety technology – not only in nuclear power stations. All energy suppliers demand high standards of reliability, fault tolerance and the functionality of all power station components.
Weidmüller terminals exceed by far all technical requirements. In addition, a wide range of accessories is available.

Terminals for measurement technology

Measurement converter circuits require a high standard of lateral and cross-disconnect terminals, test points and cross-connections.

Being the leading supplier of terminal blocks, Weidmüller has developed special disconnect test terminals for power station applications in close co-operation with operators. These terminals permit the optimum realisation of all important circuits for the measurement of current, voltage and power.

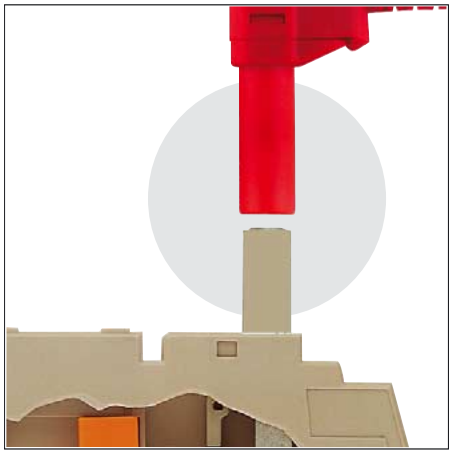
Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

Practically every type of wiring solution can be solved with the longitudinal disconnect terminal WTL 6/1/STB, the feed-through terminal WTD 6/1 and with the help of the functionally designed accessories.

All circuits found in practice can be realised with WTL 6/3 terminals and only a few accessory parts.

The cross-connection slides are designed to be safe from finger-contact. The installation of two additional short-circuit bridges 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.

Due to the specially designed test sockets, either conventional test plugs or commercially available safety test plugs can be used.

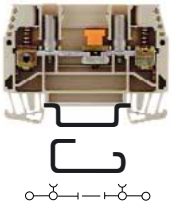
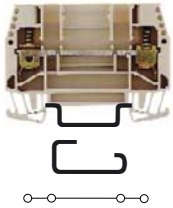
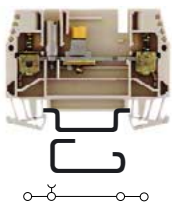
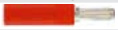


Test point safe from finger-contact according to VGB 4 for WTL 6/3

Another prime feature of WTL 6/3/STB: All screws, also those of the test sockets, can be operated with the same screwdriver.

The ZTL 6 terminal with tension-clamp technology combines the advantages - which have been proven billions of times - of the Weidmüller screw connection with high efficiency by reducing the time required for wiring. What is more, the ZTL 6 is functioning according to the proven principle of sliding longitudinal disconnect slide links of our successful current-transformer disconnect test terminals of the W- and SAK-series. Weidmüller's longitudinal disconnect terminals slide over the current bar - without wearing out the material. Even after frequent usage no stress marks are visible. This helps to keep low-resistance reproducible, even in aggressive industrial surroundings.

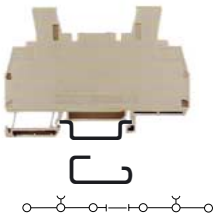
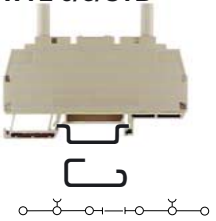
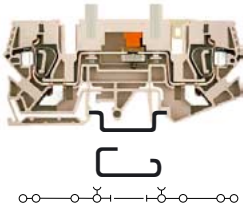
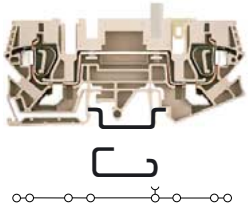
Disconnect test terminals

	WTL 4/STB	WTL 6/1/STB	WTD 6/1	WTQ 6/1/STB
				
Max. tecchnical data	32 A/6 mm²	57 A/10 mm²	57 A/10 mm²	57 A/10 mm²
Dimensions/approvals				
Width/length/height (mm) with TS 35 x 7.5	6/62/40	8/65/48.2	8/65/48.2	8/65/48.2
Insulation stripping length/terminal screw/screwdriver blade	10 mm/M 2.5/3.5 x 0.6	12 mm/M 3.5/3[1])/4.0 x 0.8	12 mm/M 3.5/3[1])/4.0 x 0.8	12 mm/M 3.5/3[1])/4.0 x 0.8
Rated data VDE 0611 Part 1/8.92/IEC 60947-7-1				
Rated voltage/current/cross-section	500 V[2])/32 A/4 mm²	800 V[2])/41 A/6 mm²	800 V[2])/41 A/6 mm²	500 V[2])/41 A/6 mm²
Rated impulse voltage VDE 0110/pollution severity	6 kV/3	6 kV/3	6 kV/3	6 kV/3
Further technical data				
Tightening torque load Nm	0.4...0.7	0.8...1.6/0.5...0.8[1])	0.8...1.6/0.5...0.8[1])	0.8...1.6/0.5...0.8[1])
Torque setting with DMS 2 electric screwdriver	1	3	3	3
Clampable conductor				
Solid H07V-U mm²	0.5…6	0.5…10	0.5…10	0.5…10
Stranded H07V-R mm²	1.5…4	1.5…10	1.5…10	1.5…10
Flexible H07V-K mm²	0.5…4	0.5…10	0.5…10	0.5…10
Flexible H07V-K with ferrule according to DIN 46 228/1 mm²	0.5…4	0.5…6	0.5…6	0.5…6
Flexible H07V-K and AEH with plastic insul. collar mm²	0.5…4	0.5…6	0.5…6	0.5…6
Max. clamping range mm²/gauge pin to IEC 60 947-7-1 Size	0.5…6 A 3	0.5…10 A 5	0.5…10 A 5	0.5…10 A 5
Continuous rating of cross-connection 2…5-pole A	(QL 2…5) 32	(QL 2…5) 47	(QL 2…5) 47	(QL 2…5) 47
Continuous rating of cross-connection 6…10-pole A	(QL 6…10) 32	(QL 6…10) 36	(QL 6…10) 36	(QL 6…10) 36
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/28 A/26...10 AWG	300 V/45 A/20…8 AWG	300 V/45 A/20…8 AWG	300 V/45 A/20…8 AWG
Voltage/current/conductor size CSA	300 V/28 A/26...10 AWG	300 V/45 A/20…8 AWG	300 V/45 A/20…8 AWG	300 V/45 A/20…8 AWG
Ordering data **Version**	Qty. Qty.	Qty. Qty.	Qty. Qty.	Qty. Qty.
With socket Ø4 mm Wemid	Ø 2.3 mm **1754970000** 50	**1017000000** 50 **1016900000** 50		**1018200000** 50 **1018100000** 50
Without socket Wemid	**1754960000** 50	**1016800000** 50 **1016700000** 50	**1017200000** 50 **1017100000** 50	**1018000000** 50 **1017900000** 50
End plate/partition **Version**	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
 Thickness 1.5 mm	ZAP/TW **1608740000** 50	WAP WTL **1068300000** 20	WAP WTL **1068300000** 20	WAP WTL **1068300000** 20
	ZAP/TW BL **1608750000** 50	WTW WTL **1068400000** 20	WTW WTL **1068400000** 20	WTW WTL **1068400000** 20
	ZAP/TW OR **1608760000** 50			
1068400000 **1766900000** Thickness 4 mm		WTW WTL **1766900000** 20	WTW WTL **1766900000** 20	WTW WTL **1766900000** 20
Small partition				
	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100
Cross-connections				
QL  WQV  2-pole	WQV 4/2 **1051960000** 50	QL 2 **0194300000** 50	QL 2 **0194300000** 50	QL 2 **0194300050** 50
3-pole	WQV 4/3 **1054560000** 50	QL 3 **0194400000** 50	QL 3 **0194400000** 50	QL 3 **0194400000** 50
4-pole	WQV 4/4 **1054660000** 50	QL 4 **0194500000** 50	QL 4 **0194500000** 50	QL 4 **0194500000** 50
5-pole	WQV 4/5 **1057860000** 10			
10-pole	WQV 4/10 **1052060000** 20	QL 10 **0338300000** 20	QL 10 **0338300000** 20	QL 10 **0338300000** 20
QVS  QVSK 2 		BS M 3x20 Cu **0377100000** 100	BS M 3x20 Cu **0377100000** 100	BS M 3x20 Cu **0377100000** 100
		VH 12 **0249000000** 100	VH 12 **0249000000** 100	VH 12 **0249000000** 100
	QVS 2 **1319260000** 20	QVS 2 **0307300000** 20	QVS 2 **0307300000** 20	WKB 1/2, 2-pol. **1604280000** 50
WKS 		QVSK 2 **1670360000** 20	QVSK 2 **1670360000** 20	WKB 1/3, 3-pol. **1604300000** 50
		QVS 3 **0329300000** 20	QVS 3 **0329300000** 20	WKB 1/4, 4-pol. **1604320000** 50
		QVS 4 **0307400000** 20	QVS 4 **0307400000** 20	WKB 1/10,10-pol. **1604330000** 20
WKB  QS2  VH 	BS M 3x22 **1319900000** 50	BS 25 GE **03335700000** 50	BS 25 GE **03335700000** 50	
	VH 16 **0309700000** 50	VH 19 **0318000000** 50	VH 19 **0318000000** 50	
		QS 2 **0270960000** 20	QS 2 **0270960000** 20	QS 2 **0270960000** 20
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). Instead of socket STB 21.6, screw SC M 3 x 8 can be used for WTL 6/3, if no socket is required.	STB 8.5 ø 2.0 **0244600000** 50	STB 25 GE **0267200000** 50	STB 14 **0169900000** 50	STB 14 **0169900000** 50
	STB 8.5 ø 2.3 **0280600000** 50	STB 25 GN **0271200000** 50		
		STB 25 VI **0271300000** 50		
		STB 35 GE **0389000000** 50		
		STB 35 GN **0388900000** 50		
		STB 35 VI **0389100000** 50		
		STB 14 **0169900000** 50		
Disconnect lock				
 prevents undesired opening of the disconnect slide link	SSP 4 **1319360000** 20	SSP 3 **0531760000** 100		SSP 3 **0531760000** 100
Test plug				
	PS 2.3 **0180400000** 20	PS 4 **0299600000** 20	PS 4 **0299600000** 20	PS 4 **0299600000** 20
Marking tags **Print**				
 DEK  WS	DEK 6 section "Accessories"	DEK 8 section "Accessories"	DEK 8 section "Accessories"	DEK 8 section "Accessories"
DEK Standard	WS 12/6 **1609900000** 600	WS 12/6.5 **1609920000** 540	WS 12/6.5 **1609920000** 540	WS 12/6.5 **1609920000** 540
WS white neutral	WS 12/6 **1609910000** 120	WS 12/6.5 **1609930000** 108	WS 12/6.5 **1609930000** 108	WS 12/6.5 **1609930000** 108
WS indiv. printed				

[1]) for disconnector element
[2]) 400 V when used as disconnect test terminal

Disconnect test terminals

Disconnect test terminals with tension-clamp technology

	WTL 6/2	WTL 6/3/STB	ZTL 6/STB	ZTD 6
				
Max. tecchnical data	57 A/10 mm²	57 A/10 mm²	52 A/10mm²	52 A/10mm²
Dimensions/approvals				
Width/length/height (mm) with TS 35 x 7.5	8/87/61.8	8/87/64.8 (mit STB)	8/106/47.5	8/106/47.5
Width/length/height (mm) with TS 32	-/M 3.5/3[1])/4.0 x 0.8	-/M 3.5/3[1])/4.0 x 0.8	8/106/55	8/106/55
Insulation stripping length/terminal screw/screwdriver blade			13 mm/ – / –	13 mm/ – / –
Rated data VDE 0611 Part 1/8.92/IEC 60947-7-1				
Rated voltage/current/cross-section	500 V[2])/41 A/6 mm²	500 V[2])/41 A/6 mm²	800 V[2])/41 A/6 mm²	800 V[2])/41 A/6 mm²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3	6 kV/3	8 kV/3	8 kV/3
Further technical data				
Tightening torque load for disconnect slide link Nm	0.8...1.6/0.5...0.8[1])	0.8...1.6/0.5...0.8[1])	0.5...0.6	
	3	3		
Clampable conductor				
Solid H07V-U mm²	0.5…10	0.5…10	0.5...10	0.5...10
Flexible H07V-K mm²	1.5…10	1.5…10	0.5...6	0.5...6
Flexible H07V-K with ferrule according to DIN 46 228/1 mm²	0.5…10	0.5…10	0.5...6	0.5...6
Flexible H07V-K and AEH with plastic insul. collar mm²	0.5…6	0.5…6	0.5...6	0.5...6
Max. clamping range mm²/gauge pin to IEC 60 947-7-1 Size	0.5…6	0.5…6	0.5...10 A5	0.5...10 A5
Continuous voltage of cross-connection V	0.5…10 A 5	0.5…10 A 5	63	63
Continuous current of cross-connection A	63	63	10	10
	63	63		
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/45 A/20…8 AWG	300 V/45 A/20…8 AWG	300 V/33 A/20…8 AWG	300 V/33 A/20…8 AWG
Voltage/current/conductor size CSA	300 V/45 A / 20…8 AWG	300 V/45 A / 20…8 AWG	300 V/33 A/20...8 AWG	300 V/33 A/20…8 AWG
Ordering data Type	Qty. Qty.	Qty. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
Without test socket screw Wemid	**1017800000** 50 **1017700000** 20	**1018600000** 50	ZTL 6 **1771800000** 50	ZTD 6 **1771810000** 50
With 1 test socket screw Ø 4 mm Wemid		**1018900000** 50 **1018800000** 50		ZTD 6/STB **1771960000** 50
With 2 test socket screws Ø 4 mm Wemid	Type Cat. No. Qty.	Type Cat. No. Qty.	ZTL 6/STB **1771950000** 50	
End plate/partition (thickness 2 mm)			Type Cat. No. Qty.	Type Cat. No. Qty.
Wemid BE			ZTW/ZTL 6 **1771870000** 20	ZTW/ZTL 6 **1771870000** 20
OR			ZTW/ZTL 6 **1771880000** 20	ZTW/ZTL 6 **1771880000** 20
Cross-connection Current Version				
KSBR/2 10 A 2-pole	WKS 1/2 **1604270000** 50	WKS 1/2 **1604270000** 50	KSBR/2 ZTL6 **1771820000** 20	KSBR/2 ZTL6 **1771820000** 20
10 A 3-pole	WKS 1/3 **1604290000** 50	WKS 1/3 **1604290000** 50	KSBR/3 ZTL6 **1771830000** 20	KSBR/3 ZTL6 **1771830000** 20
10 A 4-pole	WKS 1/4 **1604310000** 50	WKS 1/4 **1604310000** 50	KSBR/4 ZTL6 **1771840000** 20	KSBR/4 ZTL6 **1771840000** 20
ZQV 6/4 41 A 2-pole			ZQV6/2 **1627850000** 60	ZQV6/2 **1627850000** 60
41 A 3-pole			ZQV6/3 **1627860000** 60	ZQV6/3 **1627860000** 60
41 A 4-pole			ZQV6/4 **1627870000** 60	ZQV6/4 **1627870000** 60
41 A 30-pole	SC M 3 x 8 **1801990000** 50		ZQV6/30 **1733640000** 10	ZQV6/30 **1733640000** 10
Screwdriver				
insulated	WQV 6/2 **1052360000** 50	WQV 6/2 **1052360000** 50	SD 0.8x4.0 **9008340000** 1	SD 0.8x4.0 **9008340000** 1
	WQV 6/3 **1054760000** 50	WQV 6/3 **1054760000** 50	SDI 0.8x4.0 **9008400000** 1	SDI 0.8x4.0 **9008400000** 1
	WQV 6/4 **1054860000** 50	WQV 6/4 **1054860000** 50		
	WQV 6/5 **1062660000** 50	WQV 6/5 **1062660000** 50		
	WQV 6/10 **1052260000** 20	WQV 6/10 **1052260000** 20		
Test socket Colour				
yellow			STB21.6/IH/GE **1071010000** 50	STB21.6/IH/GE **1071010000** 50
STB 21.6 green			STB21.6/IH/GN **1071020000** 50	STB21.6/IH/GN **1071020000** 50
violet		STB21.6/IH/GE **1071010000** 50	STB21.6/IH/VI **1071030000** 50	STB21.6/IH/VI **1071030000** 50
blue		STB21.6/IH/GN **1071020000** 50	STB21.6/IH/BL **1071080000** 50	STB21.6/IH/BL **1071080000** 50
beige		STB21.6/IH/VI **1071030000** 50	STB21.6/IH/DB **1071000000** 50	STB21.6/IH/DB **1071000000** 50
black		STB21.6/IH/BL **1071080000** 50	STB21.6/IH/SW **1071040000** 50	STB21.6/IH/SW **1071040000** 50
red		STB21.6/IH/DB **1071000000** 50	STB21.6/IH/RT **1778990000** 50	STB21.6/IH/RT **1778990000** 50
		STB21.6/IH/SW **1071040000** 50		
		STB21.6/IH/RT **1778990000** 50		
Test socket type STB21, 6 accepts test plugs made by Multi-Contact GmbH, Postfach 1606, 79551 Weil am Rhein, Germany				
Disconnect lock	SSP WTL 6/2 **1604200000** 100	SSP WTL 6/2 **1604200000** 100	SPP/ZTL 6 **1771860000** 100	
SPP/ZTL 6 prevents undesired opening of the disconnect slide link				
Test plug				
PS 4	PS 4 **0299600000** 20	PS 4 **0299600000** 20	PS 4 **0299600000** 20	PS 4 **0299600000** 20
Marking tags Print				
Tag carrier[1])			BZT ZTL 6 **1781140000** 20	BZT ZTL 6 **1781140000** 20
DEK Standard	DEK 8 section "Accessories"	DEK 8 section "Accessories"	DEK 8 section "Accessories"	DEK 8 section "Accessories"
WS white neutral	WS 12/6.5 **1609920000** 540	WS 12/6.5 **1609920000** 540	WS 12/6.5 **1609920000** 540	WS 12/6.5 **1609920000** 540
WS indiv. printed	WS 12/6.5 **1609930000** 108	WS 12/6.5 **1609930000** 108	WS 12/6.5 **1609930000** 108	WS 12/6.5 **1609930000** 108

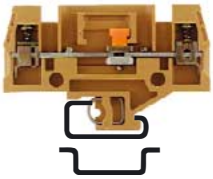

DEK

WS

[1]) Pluggable tag carrier for additional marking tags over cross-connections channel
[2]) 400 V when used as disconnect test terminal block

Power supply

Disconnect test terminals

	SAKT 1/LT SAKT 1/LT/35	SAKT 1/DU 1 SAKT 1/35/DU 1	SAKT 1/QT 1 SAKT 1/35/QT 1	SAKT 2/LT SAKT 2/35/LT
				
Max. tecchnical data	57 A/10 mm²	57 A/10 mm²	57 A/10 mm²	46 A/10 mm²
Dimensions/approvals				
Width/length/height (mm) with TS 32	8/65/52.5	8/65/52.5	8/65/52.5	8/82/52.5
Width/length/height (mm) with TS 35 x 7.5	8/65/48.5	8/65/48.5	8/65/48.5	8/82/48.5
Insulation stripping length/terminal screw/screwdriver blade	12 mm/M 3.5/3[1])/4.0 x 0.8	12 mm/M 3.5/3[1])/4.0 x 0.8	12 mm/M 3.5/3[1])/4.0 x 0.8	12 mm/M 3.5/3[1])/4.0 x 0.8
Rated data VDE 0611 Part 1/8.92/IEC 60947-7-1				
Rated voltage/current/cross-section	500 V[2])/41 A/6 mm²	500 V[2])/41 A/6 mm²	500 V[2])/41 A/6 mm²	500 V[2])/41 A/6 mm²
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 load Nm	0.8…1.6/0.5...0.8[3])	0.8…1.6	0.8…1.2/0.5...0.8[3])	0.8…1.6/0.5...0.8[3])
Torque setting with DMS 2 electric screwdriver	3	3	3	3
Clampable conductor				
Solid H07V-U mm²	0.5…10	0.5…10	0.5…10	0.5…10
Stranded H07V-R mm²	1.5…10	1.5…10	1.5…10	1.5…10
Flexible H07V-K mm²	0.5…6	0.5…6	0.5…6	0.5…6
Flexible H07V-K with ferrule according to DIN 46 228/1 mm²	0.5…6	0.5…6	0.5…6	0.5…6
Plug gauge according to 60 947-7-1 Size	A 5	A 5	A 5	A 5
Continuous rating of cross-connection 2…5-pole A	(QL 2…5) 47	(QL 2…5) 47	(QL 2…5) 47	(QL 2…5) 47
Continuous rating of cross-connection 6…10-pole A	(QL 6…10) 36	(QL 6…10) 36	(QL 6…10) 36	(QL 6…10) 36
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/25 A/26…8 AWG			
Voltage/current/conductor size CSA	300 V/25 A/26…8 AWG		300 V/25 A/26…8 AWG	
Ordering data Type	Qty. Qty.	Qty. Qty.	Qty. Qty.	Qty. Qty.
Without test socket screw KrG	**0269120000** 50 **0105420000** 50	**0550420000** 50	**0494820000** 50 **0124620000** 50	**0445420000** 50
With open back wall for cross-connection KrG		**0195620000** 50 **0105820000** 50	**0269320000** 50 **0105720000** 50	
With 4 test socket screws ø 4 mm[4]) KrG				**0437720000** 50 **0106020000** 50
With 2 test socket screws ø 4 mm KrG	**0437920000** 50 **0105620000** 50			**0330620000** 50 **0105920000** 50
With 2 test socket screws ø 2.3 mm KrG				
With 1 test socket screw ø 2.3 mm KrG				
With 2 test socket screws ø 2.0 mm KrG				
With 1 test socket screw ø 2.0 mm KrG				
End plate/partition/small partition (thickness in mm)	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
AP KrG	AP (3.0) **0146720000** 20	AP (3.0) **0146720000** 20	AP (3.0) **0146720000** 20	AP (2.5) **0329120000** 20
KrG	TW (3.0) **0242920000** 20	TW (3.0) **0242920000** 20	TW (3.0) **0242920000** 20	TW (2.5) **0351820000** 20
PA	AP (1.5) **0146760000** 20	AP (1.5) **0146760000** 20	AP (1.5) **0146760000** 20	
TSch 2 TW (0.5) PA	TW (1.5) **0242960000** 20	TW (1.5) **0242960000** 20	TW (1.5) **0242960000** 20	
HP	TW (0.5) **0474700000** 20	TW (0.5) **0474700000** 20	TW (0.5) **0474700000** 20	
	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100	TSch 2 **0353660000** 100
				TSch 2 orang. **0132460000** 100
Cross-connections				
QL 2 2-pole	QL 2 **0194300000** 50	QL 2 **0194300000** 50	QL 2 **0194300000** 50	QL 2 **0194300000** 50
QL 3 3-pole	QL 3 **0194400000** 50	QL 3 **0194400000** 50	QL 3 **0194400000** 50	QL 3 **0194400000** 50
QL 4 4-pole	QL 4 **0194500000** 50	QL 4 **0194500000** 50	QL 4 **0194500000** 50	QL 4 **0194500000** 50
5-pole	QL 10 **0338300000** 20	QL 10 **0338300000** 20	QL 10 **0338300000** 20	QL 10 **0338300000** 20
10-pole	BS M 3x20 Cu **0377100000** 100	BS M 3x20 Cu **0377100000** 100	BS M 3x20 Cu **0377100000** 100	BS M 3x20 Cu **0377100000** 100
QVS QVSK 2	VH 12 **0249000000** 100	VH 12 **0249000000** 100	VH 12 **0249000000** 100	VH 12 **0249000000** 100
	QVS 2 **0307300000** 20	QVS 2 **0307300000** 20	QVS 2 **0307300000** 20	QVS 2 **0307300000** 20
WKS	QVSK 2 **1670360000** 20	QVSK 2 **1670360000** 20	QVSK 2 **1670360000** 20	QVSK 2 **1670360000** 20
QS 2	QVS 3 **0329300000** 20	QVS 3 **0329300000** 20	QVS 3 **0329300000** 20	QVS 3 **0329300000** 20
WKB	QVS 4 **0307400000** 20	QVS 4 **0307400000** 20	QVS 4 **0307400000** 20	QVS 4 **0307400000** 20
	BS 25 blank **0334700000** 50	BS 25 blank **0334700000** 50	BS 25 blank **0334700000** 50	BS 25 blank **0334700000** 50
VH	VH 19 **0318000000** 50	VH 19 **0318000000** 50	VH 19 **0318000000** 50	VH 19 **0318000000** 50
	QS 2 **0270960000** 20	QS 2 **0270960000** 20	QS 2 **0270960000** 20	QS 2 **0270960000** 20
Switchable cross-connecting link			QB 2 **0205700000** 50	
			QB 3 **0205800000** 50	
			QB 4 **0205900000** 50	
			QB 10 **0343800000** 20	
Disconnect lock				
	SSP 3 **0531760000** 100	SSP 3 **0531760000** 100	SSP 3 **0531760000** 100	SSP 3 **0531760000** 100
Socket				
	STB14 **0169900000** 50	STB14 **0169900000** 50	STB14 **0169900000** 50	STB14 **0169900000** 50
Marking tags **Print**				
1 2 3 4 5 6 DEK Standard	DEK 6.5 section "Accessories"	DEK 6.5 section "Accessories"	DEK 6.5 section "Accessories"	DEK 6.5 section "Accessories"

1) for disconnector element
2) 400 V when used as disconnect test terminal block
3) Tightening torque range for disconnector element
4) Rated voltage 125 V; with AP 400 V

Disconnect test terminals

SAKT 4/LT
SAKT 4/35/LT

41 A/6 mm²

6/57.5/42.5
6/57/40
10 mm/M 2.5/3.5 x 0.6

400 V/32 A/4 mm²
6 kV/3

0.4…0.7
1

0.5…6
1.5…4
0.5…4
0.5…4
A 3
(Q 2…10) 27

⊏	Qty.	⌐	Qty.
0254120000	50	**1272420000**	50
0254420000	50	**1289920000**	50
0310320000	50	**1272520000**	50
0254220000	50	StB links	

Type	Cat. No.	Qty.
AP (1.5)	**0244920000**	20
TW (0.5)	**0474700000**	20
TSch 2	**0353660000**	100
QL 2	**0155900000**	100
QL 3	**0156000000**	100
QL 4	**0156100000**	50
QL 10	**0338100000**	20
BS M 3x15 Cu	**0377200000**	100
VH 8	**0266700000**	100
QVS 2	**1319260000**	20
BS M 3 x 22	**1319900000**	50
VH 16	**0309700000**	50
SSP 4	**1319360000**	20
STB 8.5 ø 2.0	**0244600000**	50
STB 8.5 ø 2.3	**0280600000**	50
DEK 6.5	section "Accessories"	

SAKT 4/DU

41 A/6 mm²

6/57.5/42.5
6/57/40
10 mm/M 2.5/3.5 x 0.6

400 V/32 A/4 mm²
6 kV/3

0.4…0.7
1

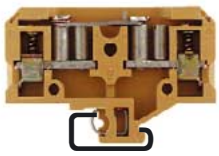
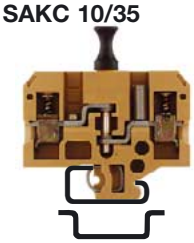
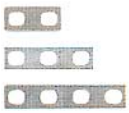
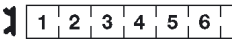
0.5…6
1.5…4
0.5…4
0.5…4
A 3
(Q 2…10) 27

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

⊏	Qty.	⌐	Qty.
0246320000	50		

Type	Cat. No.	Qty.
AP (1.5)	**0244920000**	20
TW (0.5)	**0474700000**	20
TSch 2	**0353660000**	100
QL 2	**0155900000**	100
QL 3	**0156000000**	100
QL 4	**0156100000**	50
QL 10	**0338100000**	20
BS M 3x15 Cu	**0377200000**	100
VH 8	**0266700000**	100
QVS 2	**1319260000**	20
BS M 3 x 22	**1319900000**	50
VH 16	**0309700000**	50
SSP 4	**1319360000**	20
STB 8.5 ø 2.0	**0244600000**	50
STB 8.5 ø 2.3	**0280600000**	50
DEK 6.5	section "Accessories"	

Disconnect test terminals

		SAKA 10	SAKB 10	SAKC 4 SAKC 4/35	SAKC 10 SAKC 10/35
					
Dimensions/approvals					
Width/length/height (mm)	with TS 32 ⊏⎓	12/82/55.5	10/65/52.5	6.5/40/51.5/67	12/65/52.5/70.5
Width/length/height (mm)	with TS 35 x 7.5 ⊐⎓			6.5/49.5/42.5/59.5	12/65/66
Insulation stripping length/terminal screw/screwdriver blade		12 mm/M 4/5.5 x 1.0	12 mm/M 4/5.5 x 1.0	12 mm/M 3/3.5 x 0.6	12 mm/M 4/5.5 x 1.0
Rated data					
Rated voltage/current/cross-section		500 V/47 A/10 mm²	500 V/57 A/10 mm²	400 V/25 A/4 mm²	500 V/27 A/10 mm²
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 load	Nm	1.2…2.4	1.2…2.4	0.5…1.0/0.5	1.2…2.4
Torque setting with DMS 2 electric screwdriver		4	4	2/1	4
Clampable conductor					
Solid H07V-U	mm²	0.5…10	0.5…10	0.5…6	0.5…10
Stranded H07V-R	mm²	1.5…10	1.5…10	1.5…4	1.5…10
Flexible H07V-K	mm²	0.5…10	0.5…10	0.5…4	0.5…10
Flexible H07V-K with ferrule according to DIN 46 228/1	mm²	0.5…10	0.5…10	0.5…4	0.5…10
Plug gauge according to 60 947-7-1	Size	B 6	B 6	A 4	B 6
Continuous current of terminal for conductor size					
Continuous rating of cross-connection 2…5-pole	A	(QL 2…5) 47	(QL 2…5) 47	(QB 2…25) 10	(QL 2…5) 47
Continuous 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/–/22…12 AWG	300 V/25 A/22…8 AWG
Voltage/current/conductor size	CSA	600 V/35 A/18…8 AWG	600 V/45 A/18…8 AWG	300 V/25 A/22…10 AWG	600 V/25 A/20…10 AWG
Ordering data	Type	⊏⎓ Cat. No. Qty.	⊏⎓ Cat. No. Qty.	⊏⎓ Qty. ⊐⎓ Qty.	⊏⎓ Qty. ⊐⎓ Qty.
Without test socket screw	KrG	**0134120000** 25	**0134920000** 40	**0340720000** 100 **0357520000** 100	**0324020000** 50
With open back wall for cross-connection	KrG				
With 4 test socket screws Ø 4 mm	KrG				
With 2 test socket screws Ø 4 mm	KrG			**0340620000** 100 **0357620000** 100	**0324120000** 50 **1404620000** 50
With 1 test socket screw Ø 4 mm	KrG				**1404520000** 50
End plate/partition/small partition (thickness mm)		Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
AP  TW 	KrG	AP (3.0) **0134220000** 20	AP (3.0) **0146720000** 20	AP (1.5) **0117920000** 20	AP (3.0) **0146720000** 20
	KrG	TW (3.0) **0257120000** 20	TW (3.0) **0242920000** 20		TW (3.0) **0242920000** 20
Cross-connection					
QL  QB 4 	2-pole	QL 2 **0135500000** 50	QL 2 **0114100000** 100	QB 2[1] **0482700000** 100	QL 2 **0135500000** 50
	3-pole	QL 3 **0135600000** 50	QL 3 **0114300000** 50	QB 3[1] **0482800000** 50	QL 3 **0135600000** 50
	4-pole	QL 4 **0135700000** 50	QL 4 **0114500000** 50	QB 4[1] **0482900000** 50	QL 4 **0135700000** 50
	10-pole	QL 10 **0338500000** 20	QL 10 **0338400000** 20		QL 10 **0338500000** 20
	25-pole	VH 23 **0348700000** 50		QB 25 blank[1] **0134000000** 20	VH 14 **0299700000** 50
VL  BS  SS M4 		BS M 4 x 30 **0267100000** 50	BS M 4 x 9 **0103300000** 100		BS M 4 x 20 **0362800000** 100
		SS M 4 **0136400000** 100	SS M 4 **0136400000** 100		SS M 4 **0136400000** 100
		VL 2 **0135800000** 50	VL 2 **0135900000** 50		
VH 					
Dummy plug					
 made from plastic, to be used as dummy when plug is pulled				BST 4 green **1339050000** 500	
				BST 4 red **1339060000** 500	
				BST 4 blue **1339080000** 500	
Test plug/socket					
PS 4 		PS 4 **0299600000** 20	PS 4 **0299600000** 20	PS 2.3 **0180400000** 20	PS 4 **0299600000** 20
StB  Plug-in test socket (QL cannot be used)		StB 13.5 **0135200000** 50	StB 16 **0140200000** 50		StB 13.5 **0135200000** 50
Disconnect plug (spare)				TST 4 **1380600000** 20	TST 10 **0462700000** 20
Pull-out aid					
For TST 4				ZI WE **0623060000** 10	
Marking tags					
	DEK Standard	DEK 5 section "Accessories"	DEK 5 section "Accessories"	DEK 6.5 section "Accessories"	DEK 6.5 section "Accessories"

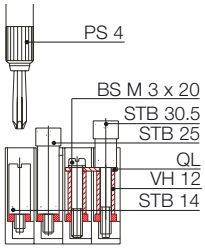
Mounting rails, end brackets, further marking materials see section "Accessories"

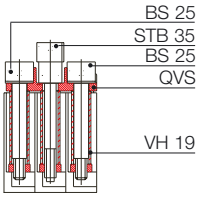
[1]) When using QB, the rated cross-section is reduced to max. 2.5 mm²

Disconnect test terminals

Accessories

for WTL 6/1, WTQ 6/1,
WTD 6/1, SAKT 1, SAKT 2





Cross-connection slide QVS...

Connection sleeves VH 19 and fixing screws BS 25 (or test socket StB 35) are required for attaching QVS to individual terminals.

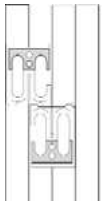
The fixing screws are provided with a coloured insulating sleeve (for easy identification) and screwdriver guiding. The cross-connection slides are designed in such a way that the test sockets which are arranged in terminals remain accessible for test plugs in every position.

The 2-pole version, type QVS 2S, is so designed to permit sliding with plugged-in test plugs. If you desire testing to be stlill available with inserted QVS, you can use test socket StB 35 for attachment.

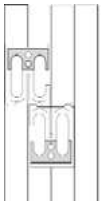
The creepage and clearance distances required for the rated voltage of the terminal, are modified if accessory parts are installed.

Test sockets of type STB are screwed into the current bar of the terminal. They are used for receiving test plugs, type PS 4, or cross-connecting plugs, type QS2.

QVSK 2 (167036)

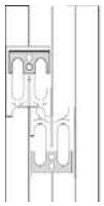


SAKT2

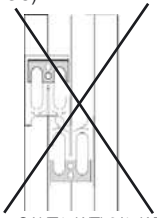


SAKT1, WTL6/1, WTD6/1

QVS 2 (030730)



SAKT2



SAKT1, WTL6/1, WTD6/1

Cross-connections WQV

Cross-connections WQV allow to connect adjoining terminals with safe finger- and wrist-contact, thus conforming to VBG 4.

Cross-connection links QL

In connection with disconnect test terminals, types SAKT 1, SAKT 2 and SAKT 4, cross-connection links, type QL, are used as permanent, i. e. non-switchable, cross-connections. Connection sleeves VH 12 and fixing screws BS M 3 x 20 (or test sockets StB 30.5) are required for attachment. The creepage and clearance distances required for the rated voltage of the terminal, can be modified by installing accessory parts. This applies in particular to cross-connections between adjoining terminals with different potentials.

Cross-connection bridge WKB

WKB can already be inserted from the top into the cross-disconnect terminal , type WTQ 6/1. Connection and disconnection can be realized using the slide link.

Cross-connection bridge QB

QB can already be inserted from the top into the cross-disconnect terminal strip SAKT 1/QT. Connection and disconnection can be realized using the slide link.

Rated voltage

with adjoining QVS	63 V	with adjoining WQV	to 400 V	with adjoining STB 25	63 V
with adjoining STB 35	63 V	with adjoining QL	250 V	with adjoining STB 30.5	63 V

Partitions of type TW or small partions of type TSch must be used to preserve the rated voltage; with the exception of WQV.

SSP WTL, SSP 3 and **SSP 4** prevent the unintentional opening or closing of current circuits. They block the slide link in its current position. The disconnect lock can be easily pressed into the terminall from above. Removal. however, is only possible with a tool.

STB 35 STB 14

Type	Colour	Cat. No.	Qty.
STB 35	yellow	**0389000000**	50
STB 35	green	**0388900000**	50
STB 35	violet	**0389100000**	50
STB 35	black	**0388500000**	50
STB 35	grey	**0388600000**	50
STB 35	blue	**0388700000**	50
STB 35	red	**0388800000**	50
STB14		**0169900000**	50

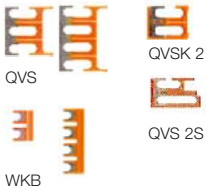
BS 25 VH 19

Fixing screw — Connection sleeve

Type	Colour	Cat. No.	Qty.
BS 25	yellow	**0335700000**	50
BS 25	green	**0335600000**	50
BS 25	violet	**0335800000**	50
BS 25	grey	**0335300000**	50
BS 25	black	**0335200000**	50
BS 25	blue	**0335400000**	50
BS 25	red	**0335500000**	50
BS 25	blank	**0334700000**	50
VH 19		**0318000000**	50
CuZn 39			
(Copper-alloy)			

QVS, WKB

Cross-connection slide



Type		Cat. No.	Qty.
QVS 2	2-pol.	**0307300000**	20
QVSK 2	2-pol.	**1670360000**	20
QVS 3	3-pol.	**0329300000**	20
QVS 4	4-pol.	**0307400000**	20
QVS 2S	2-pol.	**0358460000**	20
WKB 1/22	-pol.	**1604280000**	50
WKB 1/33	-pol.	**1604300000**	50
WKB 1/44	-pol.	**1604320000**	50
WKB1/1010	-pol.	**1604330000**	20

STB 30.5 STB 25

Type	Colour	Cat. No.	Qty.
STB30.5	black	**0341000000**	50
STB30.5	grey	**0341100000**	50
STB30.5	blue	**0341200000**	50
STB30.5	red	**0341300000**	50
STB30.5	green	**0341400000**	50
STB30.5	yellow	**0341500000**	50
STB30.5	violet	**0341600000**	50
STB25	yellow	**0267200000**	50
STB25	green	**0271200000**	50
STB25	violet	**0271300000**	50
STB25	black	**0271500000**	50
STB25	grey	**0271400000**	50
STB25	blue	**0343400000**	50
STB25	red	**0343300000**	50

BS VH

Fixing screw — Connection sleeve

Type	Cat. No.	Qty.
BS M 3 x 20	**0377100000**	100
CuNi 60		
(Copper-alloy)		
VH 12	**0249000000**	100
E-Cu 57		
(Copper-alloy)		

WQV QL

Cross-connection (complete — Cross-connection links (additional BS and VH required)

WQV (only for WTL 6/2, WTL 6/3)

Type		Cat. No.	Qty.
WQV 6/2		**1052360000**	50
WQV 6/3		**1054760000**	50
WQV 6/4		**1054860000**	50
WQV 6/5		**1062660000**	50
WQV 6/7		**1062670000**	50
WQV 6/10		**1052260000**	20
E-Cu 57			
(Copper-alloy)			
QL 2	2-pole	**0194300000**	50
QL 3	3-pole	**0194400000**	50
QL 4	4-pole	**0194500000**	50
QL 5	5-pole	**0220500000**	50
QL 6	6-pole	**0220600000**	50
QL 10	10-pol.	**0338300000**	20
QL 15	15-pol.	**0221200000**	10
E-Cu 57			
(Copper-alloy)			

WTW

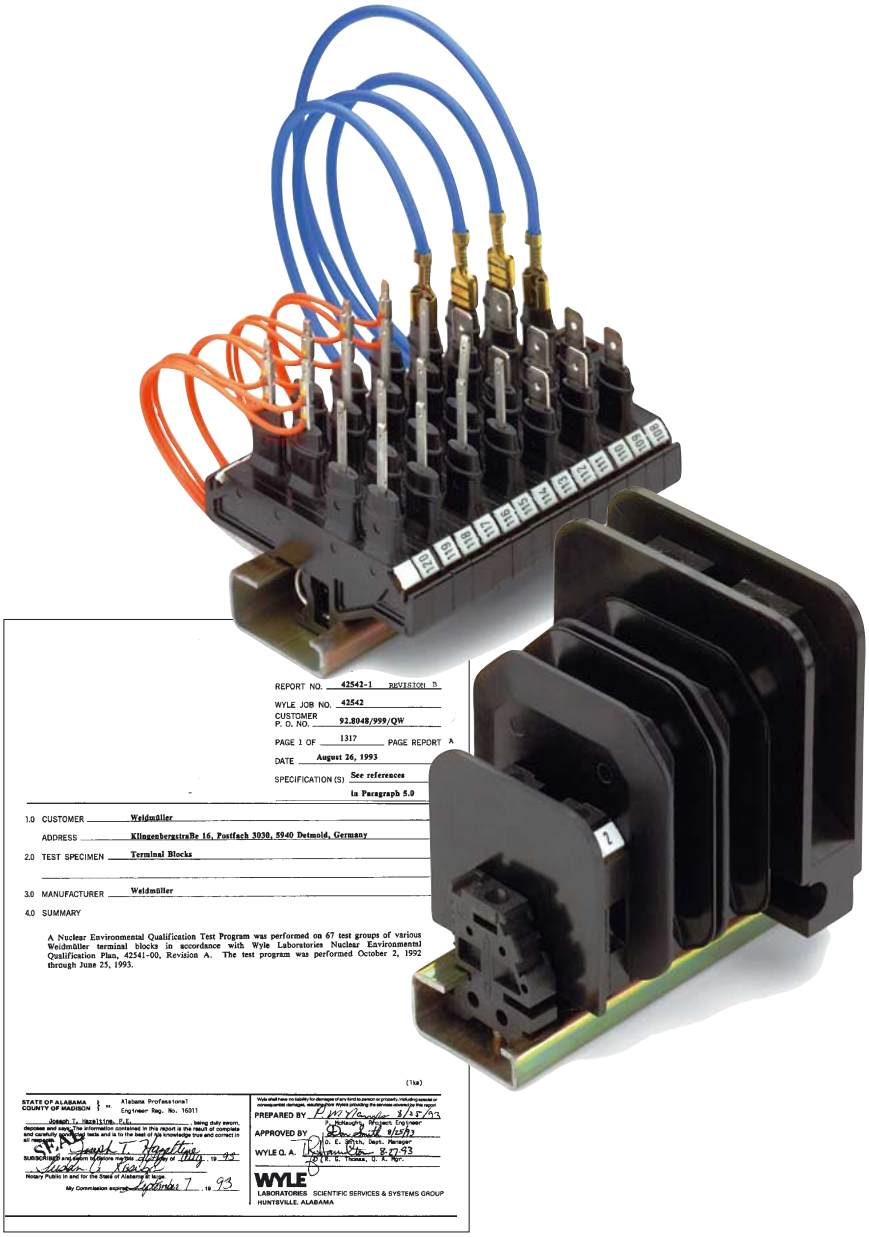
Partitions for snapping onto the mounting rail

Width/length/height (mm)
w. TS 32 ⊏⊐ 3/80/63
w. TS 35 x 7.5 ⊐⊏ 3/80/63

Type	⊏⊐ + ⊐⊏	Qty.
WTW	**1058800000**	20

Power supply

Terminals for containment areas in nuclear power stations



REPORT NO. 42542-1 REVISION B
WYLE JOB NO. 42542
CUSTOMER P. O. NO. 92.8048/999/QW
PAGE 1 OF 1317 PAGE REPORT A
DATE August 26, 1993
SPECIFICATION (S) See references in Paragraph 5.0

1.0 CUSTOMER Weidmüller
ADDRESS Klingenbergstraße 16, Postfach 3030, 5940 Detmold, Germany
2.0 TEST SPECIMEN Terminal Blocks
3.0 MANUFACTURER Weidmüller
4.0 SUMMARY

A Nuclear Environmental Qualification Test Program was performed on 67 test groups of various Weidmüller terminal blocks in accordance with Wyle Laboratories Nuclear Environmental Qualification Plan, 42541-00, Revision A. The test program was performed October 2, 1992 through June 25, 1993.

(1ka)

STATE OF ALABAMA COUNTY OF MADISON — Alabama Professional Engineer Reg. No. 16011
Joseph T. Hamilton, P.E. being duly sworn, deposes and says: The information contained in this report is the result of complete and carefully conducted tests and is to the best of his knowledge true and correct in all respects.
SUBSCRIBED and sworn to before me this 7th day of September, 19 93
Notary Public in and for the State of Alabama at Large
My Commission expires September 7, 19 93

Wyle shall have no liability for damages of any kind to person or property, including special or consequential damages, resulting from the use of any information contained in this report.
PREPARED BY J. H. Haught, Nuclear Engineer 8/25/93
APPROVED BY D. E. Smith, Dept. Manager 8/27/93
WYLE Q. A. D. E. Thomas, Q. A. Mgr. 8-27-93

WYLE LABORATORIES SCIENTIFIC SERVICES & SYSTEMS GROUP HUNTSVILLE, ALABAMA

Terminals for containment areas in nuclear power stations

The containment areas of a nuclear power stations demand high requirements from the products used there. Years of radio-active radiation must not cause a failure, and if a failure occurs, e.g. a vapour leak caused by a burst coolant line, signals must be still be transmitted correctly.

Problems can especially occur when vapour condenses on the terminals. If unsuitable terminals are used, leakage currents can develop which may cause signal distortion. Therefore, only products, that correspond to IEEE Class 1E, may be installed in safety areas.

A special feature of the tests performed on Weidmüller terminals is that not only the insulation impedance was measured after an emergency was simulated, but also the leakage currents were recorded during the LOCA tests (Loss Of Coolant Accident, leakage of main coolant pipe).

Weidmüller also offers, for this type of application, a product range that fulfils these requirements, based on the special material EP epoxy ester resin with inorganic filling material.

The vast number of test results, recorded by Wyle Laboratories, permit authorising bodies to autonomously evaluate Weidmüller products for application in safety areas Class 1E (fault simulation test profile 4) and for general areas in nuclear power stations (fault simulation test profile 1).

Basic: **IEEE 323 – 1983**
"IEE Standard for Qualifying of Electric Equipment, Important to Safety for Nuclear Generating Stations"

IEE 344 – 1987
"IEEE Recommended Practices for Seismic Qualification of Class 1 E Equipment for Nuclear Generating Stations"

Test institute: Wyle Laboratories, Huntsville, Alabama, USA

Time of testing: 1992-1993

The following tests that are laid down in the IEEE standards are the basis for qualification:

1. Baseline functional test / Initial values
- Insulation resistance
- Contact resistance

2. Radiation exposure simulation
- Total dosage: 220 Mrad
- Dosage rate: 1 Mrad/h
- Insulation resistance after Pollution

3. Thermal ageing corresponding to 40 years operation at ambient temperature
- 32 °C = 90 °F outside the containment area
- 65 °C = 150 °F inside the containment area
- Accelerated ageing
- Insulation resistance after pollution

4. Seismic simulation
- 5 OBE, 1 SSE test in 3 axes
- Monitoring of the electrical functions

5. Accident simulation
- Inside and outside the containment area
- Monitoring of leakage currents for various applications during the accident simulation
- Insulation impedance after pollution

6. Final function test / end values
- Contact resistance
- Visual inspection

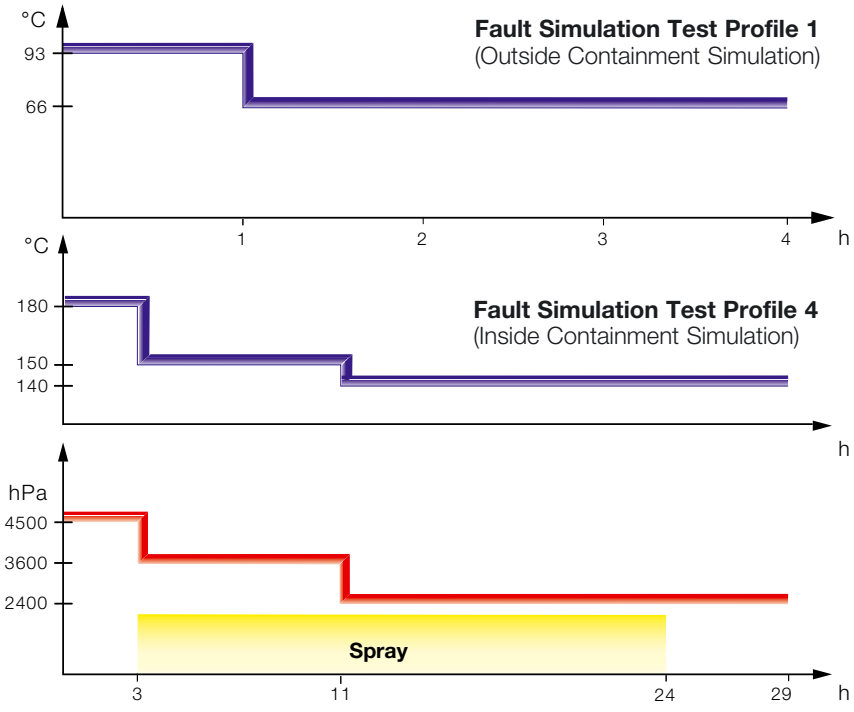
Along with the special terminals for the internal safety area, that comply with the tests according to Class 1E, Weidmüller has performed a range of standard terminal, intensive tests according to test profile 1. They comply fully with the requirements of terminals outside the safety area.

Fault simulation test profile 1 Typical PWR Outside Containment Simulation

During the 4-hour test, ample steam is applied for temperature control. This simulation is performed with atmospheric air pressure.

Fault simulation test profile 4 Typical PWR Inside Containment Simulation

During the 29-hour test, ample steam is applied for temperature control. In the period 3 to 24 hours, a chemical spray is applied to the test installation, or alternatively a demineralising spray. This simulation is performed with increased pressure of max. 4500 hPa (4.5 bar).



Feed-through terminals within the safety area, tested according to test profile 4

		SAK 4	SAKH 10	SAKH 35
				
Dimensions/approvals				
Width/length/height (mm)	with TS 32 ⊏⎽⊐	6.5/40/51.5	14/57/76.5	18/125/90
Width/length/height (mm)	with TS 35 x 7.5 ⊐⎽⊏			
Insulation stripping length/terminal screw/screwdriver blade		12/M 3/3.5 x 0.6	12/M 4/5.5 x 1	20/M 6/6.5 x 1.2
VDE rated data, 0611 Part 1/IEC 60 947-7-1				
Rated voltage/current/cross-section		800 V/32 A/4 mm²	1000 V/57 A/10 mm²	1000 V/125 A/35 mm²
Rated impulse voltage/pollution severity		8 kV/3	8 kV/3	8 kV/3
Rated peak current for 1 sec		720 A	1800 A	6300 A
Further technical data				
Tightening torque load	Nm	0.5…1.0	1.2…2	2.5…4
Torque setting with DMS 2 electric screwdriver DMS 3		2	4	6
Clampable conductor				
Solid H07V-U	mm²	0.5…6	1.5…16	6…16
Stranded H07V-R	mm²	1.5…6	16[1)]	16…50
Flexible H07V-K	mm²	0.5…4	2.5…10	16…50
Flexible H07V-K with ferrule according to DIN 46 228/1	mm²	0.5…4	1…10	10…35
Plug gauge according to IEC 60 947-7-1	Size	A 4	B 6	B8

Ordering data	**Version**	⊏⎽⊐	Cat. No.	Qty.	⊏⎽⊐	Cat. No.	Qty.	⊏⎽⊐	Cat. No.	Qty.
	Steel clamp yoke		**0128300000**	100		**0126700000**	50		**1596240000**	20
	CuNi clamp yoke		**0168800000**	100		**1104700000**	20		**1593540000**	20

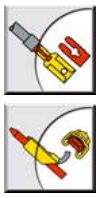
End bracket		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
 EWK 1	 WEW	EWK 1	**0693060000**	50						
					WEW	**1067660000**	50	WEW	**1067660000**	50

Partition/end plate										
 TW		TW/SAK4	**0130100000**	20						
					AP/SAKH 10	**0131700000**	20			
								TW/SAK 35	**0304300000**	20

Marking tags		**Print**								
 DEK	DEK	Standard	DEK 6.5	section "Accessories"	DEK 6.5	section "Accessories"		DEK 6.5	section "Accessories"	

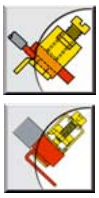
[1)] Tightening torque for 16 mm² : 2 Nm

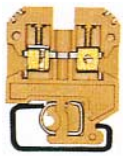
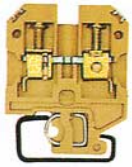
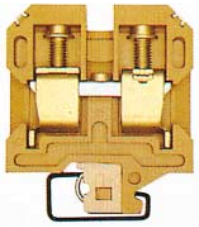
Feed-through terminals within the safety area, tested according to test profile 4



	KMVF	KMVF	KMVT	KMVT
				
Dimensions/approvals				
Width/length/height (mm) with TS 32 ⊏⊐	6/70/54	6/70/54	6/70/62	6/70/62
Width/length/height (mm) with TS 35 x 7.5 ⊓⊔				
Insulation stripping length/terminal screw/screwdriver blade				
VDE rated data, 0611 Part 1/IEC 60 947-7-1				
Rated voltage/current/cross-section	800 V/16 A/2.5 mm²	800 V/16 A/2.5 mm²	800 V/12/6 A/0.5 mm²	800 V/12/6 A/0.5 mm²
Rated impulse voltage/pollution severity	8 kV/3	8 kV/3	8 kV/3	8 kV/3
Rated peak current for 1 sec				
Further technical data				
Max. continuous current of terminal	20 A	20 A		
total/terminal			12A/6A	12A/6A
Clampable conductor				
Solid H07V-U mm²				
Stranded H07V-R mm²				
Flexible H07V-K mm²	0.5…2.5	0.5…2.5	AWG 24 - 18	AWG 24 - 18
Flexible H07V-K with ferrule according to DIN 46 228/1 mm²				
Plug gauge according to IEC 60 947-7-1 Size				
Ordering data **Version**	⊏⊐ Cat. No. Qty.	⊏⊐ Cat. No. Qty.	⊏⊐ Cat. No. Qty.	⊏⊐ Cat. No. Qty.
	0249100000 50	**0249200000** 50	**0249300000** 50	**0249400000** 50
End bracket	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.	Type Cat. No. Qty.
	EWK 1 **0693060000** 50	EWK 1 **0693060000** 50	EWK 1 **0693060000** 50	EWK 1 **0693060000** 50
 EWK 1				
Marking tags **Print**				
 DEK DEK Standard	DEK 5 section "Accessories"	DEK 5 section "Accessories"	DEK 5 section "Accessories"	DEK 5 section "Accessories"

Feed-through terminals outside the safety area, tested according to test profile 1



	AKZ 4	SAK 2.5	SAK 6 N	SAK 35
				
Dimensions/approvals	DNV	LR DNV	LR DNV	LR DNV
Width/length/height (mm) with TS 15	6/27/30			
Width/length/height (mm) with TS 32		6/36.5/46.5	8/40/51.5	18/58/67.5
Width/length/height (mm) with TS 35 x 7.5				
Insulation stripping length/terminal screw/screwdriver blade	8 mm/M 3/3.5 x 0.6	10/M 2.5/3.5 x 0.6	12 mm/M 3.5/4.0 x 0.8	20 mm/M 6/6.5 x 1.2
VDE rated data, 0611 Part 1/IEC 60 947-7-1				
Rated voltage/current/cross-section	400 V/32 A/4 mm²	800 V/24 A/2.5 mm²	800 V/41 A/6 mm²	800 V/125 A/35 mm²
Rated impulse voltage/pollution severity	6 kV/3	8 kV/3	8 kV/3	8 kv/3
Rated peak current for 1 sec	720 A	300 A	1080 A	5200 A
Further technical data				
Tightening torque load Nm	0.5…1.0	0.4…0.6	0.8…1.6	2.5…5.0
Torque setting with DMS 2 electric screwdriver	2	1	3	
Clampable conductor				
Solid H07V-U mm²	0.5…6	0.5…6	0.5…10	6…16
Stranded H07V-R mm²	1.5…4	0.5…2.5	0.5…6	16…50
Flexible H07V-K mm²	0.5…4	0.5…4	0.5…10	10…35
Flexible H07V-K with ferrule according to DIN 46 228/1 mm²	0.5…4	0.5…2.5	0.5…6	10…35
Flexible H07V-K and AEH with plastic insul. collar mm²	0.5…4	0.5…2.5	0.5…6	10…35
Plug gauge according to IEC 60 947-7-1 Size	A 3	A 3	A 5	B9
Continuous current rating of terminal block for conductor size	38.5 A/6 mm²	32 A/4 mm²	41 A/6 mm²	138 A/35 mm²
UL/CSA rated data				
Voltage/current/conductor size UL	300 V/27A/22…12 AWG	600 V/20 A/22…12 AWG	600 V/40 A/22…8 AWG	600 V/100 A/6…2 AWG
Voltage/current/conductor size CSA	300 V/10 A/24…12 AWG	600 V/25 A/26…10 AWG	600 V/47 A/20…8 AWG	600 V/145 A/6…2 AWG

Ordering data Version	TS 15 Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.
KrG		**0294320000**	100	**0279620000**	100	**0193220000**	100	**0303520000**	20
Wemid								

End plate/partition	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
	AP (1.5)	**0294420000**	20	AP (1.5)	**0279520000**	20	AP (1.5)	**0117920000**	20	AP (3.0)	**0303620000**	10
	TW	**0118900000**	20	TW (2.5)	**0302820000**	20	TW (2.5)	**0130120000**	20	TW (3.0)	**0304320000**	20
Cross-connection												
WQV Q4												
  2-pole	Q 2	**0336400000**	50	Q 2	**0337000000**	50	Q 2	**0456700000**	50	QL 2	**0123600000**	20
3-pole	Q 3	**0336500000**	50	Q 3	**0337100000**	50	Q 3	**0456800000**	50	QL 3	**0123700000**	20
4-pole	Q 4	**0336600000**	50	Q 4	**0337200000**	50	Q 4	**0456900000**	50	QL 4	**0123800000**	20
10-pole	Q 10	**0368600000**	20	Q 10	**0368700000**	20	Q 10	**0457000000**	20	QL 10	**0338600000**	20
				TSch 1	**0319160000**	100	TSch 1	**0319160000**	100			
Test adapter												
WTA  Strain relief												
Test plug/socket												
PS 2.3 STB 8.5	STB 8.5	**0215700000**	50	STB 8.5	**0280600000**	50	STB 14	**0169900000**	50	STB 16	**0140200000**	50
	PS 2.3	**0180400000**	20	PS 2.3	**0180400000**	20	PS 4	**0299600000**	20	PS 4	**0299600000**	20
Cover												
WAD with symbol WAD white for self-labeling 												
Group marking												
T 5  WGB  Tag carrier for S 10-markers												
Marking tags **Print**												
 DEK  WS DEK Standard	DEK 6	section "Accessories"		DEK 6	section "Accessories"		DEK 8	section "Accessories"		DEK 5	section "Accessories"	
WS white neutral												
WS indiv. printed												

Feed-through terminals outside the safety area, tested according to test profile 1

WDK 2.5

5/69/63	
10 mm/M 2.5/3.5 x 0.6	
400 V/24 A/2.5 mm²	
6 kV/3	
450 A	
0.4...0.6	
1	
0.5…4	
1.5…4	
0.5…2.5	
0.5…2.5	
0.5…2.5[1])	
A 3	
24 A/2.5 mm²	
300 V/20 A/22…12 AWG	
300 V/20 A/26…12 AWG	

	Cat. No.	Qty.
	1021500000	100

Type	Cat. No.	Qty.
WAP	**1059100000**	20
WTW	**1058800000**	20
WQV 2.5/2	**1053660000**	50
WQV 2.5/3	**1053760000**	50
WQV 2.5/4	**1053860000**	50
WQV 2.5/10	**1054460000**	20
WTA 4710	**1649620000**	5
AD 3	**0485400000**	20 x 1m
HP 3	**0485760000**	20
WT 4	**1341060000**	100
SF 10	**0332400000**	1000
SG 10	**0332500000**	1000
DEK 5	section "Accessories"	
WS 8/5	**1640740000**	720
WS 8/5	**1773360000**	300

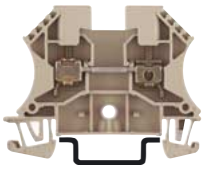
WDU 2.5N

5/44/37.5	
10 mm/M 2.5/3.5 x 0.6	
500 V/24 A/2.5 mm²	
6 kV/3	
450 A	
0.4...0.6	
1	
0.5…4	
1.5…4	
0.5…4	
0.5…2.5	
0.5…2.5[1])	
A 3	
24 A/2.5 mm²	
300 V/20 A/22…12 AWG	
300 V/20 A/26…12 AWG	

	Cat. No.	Qty.
	1023700000	100

Type	Cat. No.	Qty.
WAP-WDU 1.5	**1060000000**	50
TW (1.5)	**0191860000**	20
WQV 2.5/2	**1053660000**	50
WQV 2.5/3	**1053760000**	50
WQV 2.5/4	**1053860000**	50
WQV 2.5/10	**1054460000**	20
WTA 1	**1632290000**	25
WTA 1/ZA	**1632300000**	25
WTA 1/10	**1632310000**	5
ZE 1	**1632150000**	25
PS 2.3 (ø 2.3)	**0180400000**	20
PS 2.0 (ø 2.0)	**0293800000**	20
STB 8.5 (ø 2.3)	**0215700000**	50
STB 8.5 (ø 2.0)	**1269800000**	50
WAD 4	**1072000000**	50
WAD 4 white	**1072100000**	50
T 5	**0348500000**	100
SF 10	**0332400000**	1000
SG 10	**0332500000**	1000
DEK 5	section "Accessories"	
WS 12/5	**1609860000**	720
WS12/5	**1773380000**	300

WDU 4



6/60/47	
10 mm/M 3/3.5 x 0.6	
800 V/32 A/4 mm²	
8 kV/3	
1080 A	
0.5...1.0	
2	
0.5…6	
1.5…6	
0.5…6	
0.5…4	
0.5…4	
A 4	
46 A/6 mm²	
600 V/35 A/22…10 AWG	
600 V/35 A/26…10 AWG	

	Cat. No.	Qty.
	1020100000	100

Type	Cat. No.	Qty.
WAP 2.5-10	**1050000000**	50
WTW 2.5-10	**1050100000**	20
WQV 4/2	**1051960000**	50
WQV 4/3	**1054560000**	50
WQV 4/4	**1054660000**	50
WQV 4/10	**1052060000**	20
WTA 3	**1632350000**	25
WTA 3/ZA	**1632360000**	25
WTA 3/10	**1632370000**	5
ZE 1	**1632150000**	25
PS 2.3 (ø 2.3)	**0180400000**	20
STB8.5 (ø 2.3)	**0280600000**	50
WAD 5	**1053460000**	50
WAD 5 white	**1056060000**	50
WGB 5	**1050760000**	50
T 5	**0348500000**	100
SF 10	**0332400000**	1000
SG 10	**0332500000**	1000
DEK 6	section "Accessories"	
WS 12/6	**1609900000**	600
WS12/6	**1609910000**	120

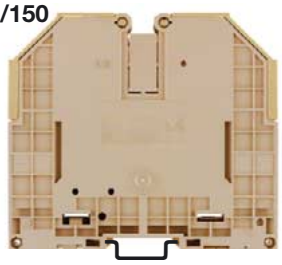
WDU 10

10/60/47	
12 mm/M 4/5.5 x 1.0	
800 V/57 A/10 mm²	
8 kV/3	
2880 A	
1.2...2.4	
4	
1.5…16	
1.5…16	
1.5…16	
1.5…16	
1.5…16	
B 6	
76 A/16 mm²	
600 V/60 A/16…6 AWG	
600 V/65 A/16…6 AWG	

	Cat. No.	Qty.
	1020300000	50

Type	Cat. No.	Qty.
WAP 2.5-10	**1050000000**	50
WTW 2.5-10	**1050100000**	20
WQV 10/2	**1052560000**	50
WQV 10/3	**1054960000**	50
WQV 10/4	**1055060000**	50
WQV 10/10	**1052460000**	20
WTA 5/1	**1051260000**	25
PS 2.3 (ø 2.3)	**0180400000**	20
PS 4 (ø 4)	**0299600000**	20
STB 8.5 (ø 2.3)	**0280600000**	50
STB 14 (ø 4)	**0169900000**	50
WAD 8	**1053560000**	50
WAD 8 white	**1056160000**	50
WGB 8	**1050960000**	50
T 5	**0348500000**	100
SF 10	**0332400000**	1000
SG 10	**0332500000**	1000
DEK 5	section "Accessories"	
WS 12/6.5	**1609920000**	540
WS12/6.5	**1609930000**	108

WDU 120/150



32/132/118	
35 mm/M 10/S 6	
1000 V/269 A/120 mm²	
8 kV/3	
14400 A	
10...20	
35…150	
35…150	
B 13	
309 A/150 mm²	
600 V/225 A/2…MCM 250 AWG	
600 V/285 A/2…MCM 250 AWG	

	Cat. No.	Qty.
	1024500000	10

Type	Cat. No.	Qty.
WQV 120/2	**1063300000**	5
WQV 120/3	**1063400000**	5
PS 4	**0299600000**	20
pluggable in screw head of connection system		
with danger sign	**1062860000**	10
without danger sign	**1062960000**	10
DEK 5	section "Accessories"	
WS 12/6.5	**1609920000**	540
WS12/6.5	**1609930000**	108

[1]) Diameter optimized AEH for terminals in 5-mm grid: Cat. No.: **1333100000**