

阅读申明

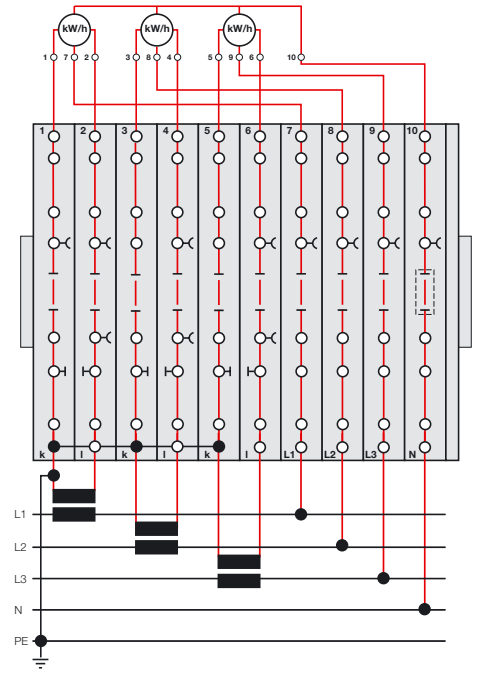
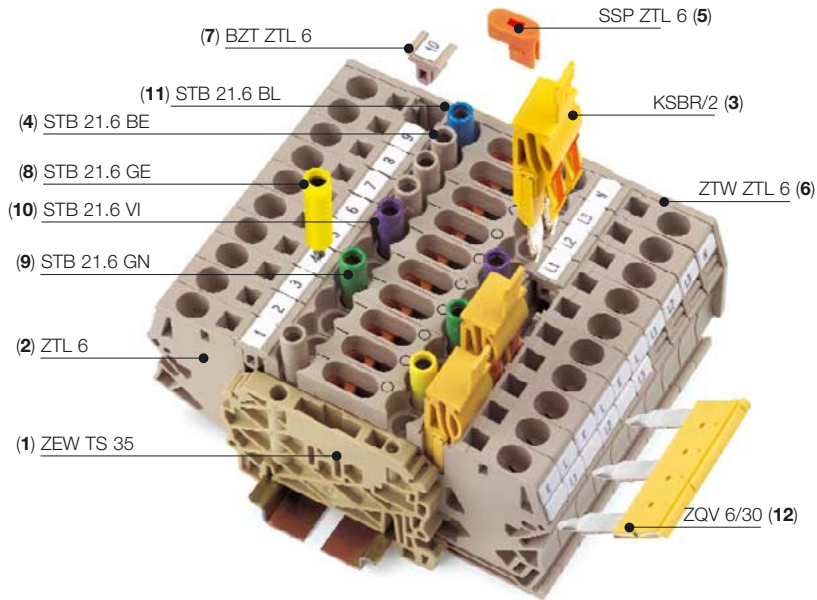
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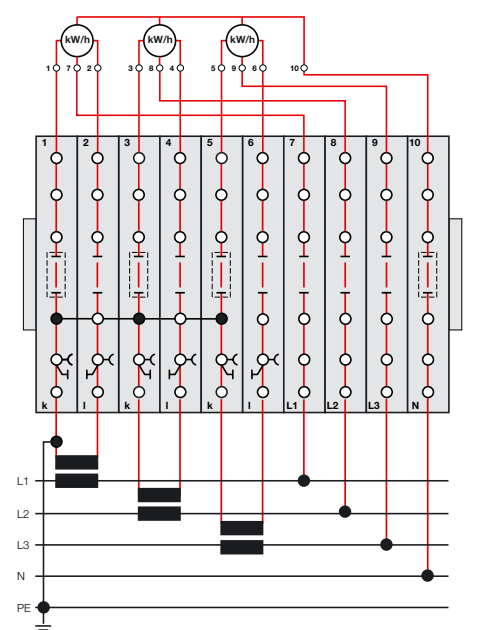
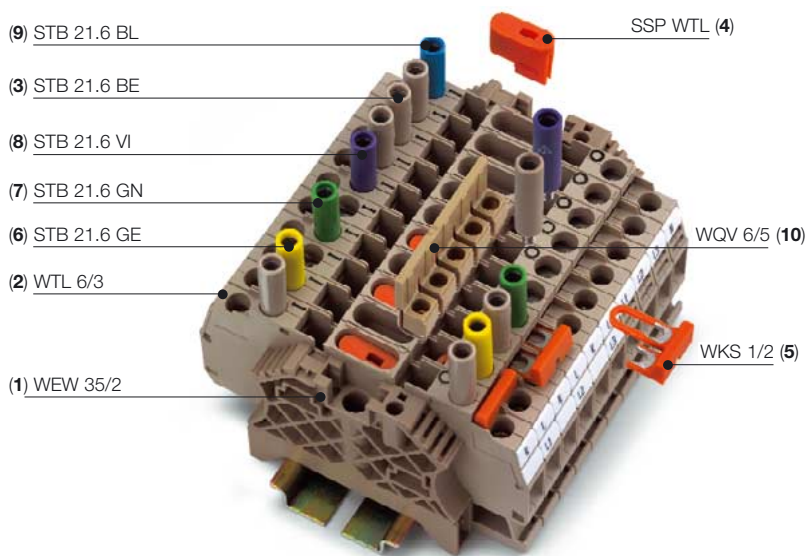
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Feed-through-terminals for power supply

Disconnect test terminal block for counter reading with ZTL 6



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



Feed-through-terminal blocks for power supply

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.

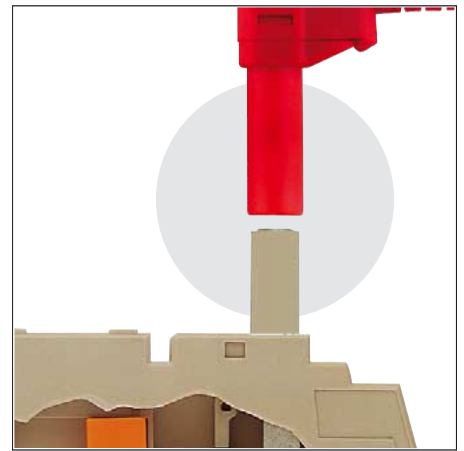
Current transformer circuits must always have closed a secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments.

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

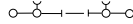
Another prime feature of WTL 6/3/STB: All screws, also those of the test sockets, can be operated with the same screwdriver.

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



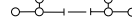
WTL 4/STB



32 A/6 mm²

UL	6/62/40
Insulation stripping length/terminal screw/screwdriver blade	10 mm/M 2.5/3.5 x 0.6

WTL 6/1/STB



57 A/10 mm²

UL	8/65/48.2
Insulation stripping length/terminal screw/screwdriver blade	12 mm/M 3.5/3.1/4.0 x 0.8

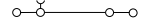
WTD 6/1



57 A/10 mm²

UL	8/65/48.2
Insulation stripping length/terminal screw/screwdriver blade	12 mm/M 3.5/3.1/4.0 x 0.8

WTQ 6/1/STB



57 A/10 mm²

UL	8/65/48.2
Insulation stripping length/terminal screw/screwdriver blade	12 mm/M 3.5/3.1/4.0 x 0.8

Max. technical data

Dimensions/approvals	
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/terminal screw/screwdriver blade	

Rated data VDE 0611 Part 1/8.92/IEC 60947-7-1

Rated voltage/current/cross-section	500 V ² /32 A/4 mm ²	
Rated impulse voltage VDE 0110/pollution severity	6 kV/3	
Further technical data		
Tightening torque load	Nm	0.4...0.7
Torque setting with DMS 2 electric screwdriver		1
Clampable conductor		
Solid H07V-U	mm ²	0.5...6
Stranded H07V-R	mm ²	1.5...4
Flexible H07V-K	mm ²	0.5...4
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	0.5...4
Flexible H07V-K and AEH with plastic insul. collar	mm ²	0.5...4
Max. clamping range mm ² /gauge pin to IEC 60 947-7-1	Size	0.5...6 A 3
Continuous rating of cross-connection 2...5-pole	A	(QL 2...5) 32
Continuous rating of cross-connection 6...10-pole	A	(QL 6...10) 32

UL/CSA rated data

Voltage/current/conductor size	UL	300 V/28 A/26...10 AWG
Voltage/current/conductor size	CSA	300 V/28 A/26...10 AWG

Ordering data

With socket Ø4 mm	Version	Qty.	Qty.
Without socket	Wemid	Ø 2.3 mm	1754970000 50
	Wemid		1754960000 50

End plate/partition

Thickness 1.5 mm	Type	Cat. No.	Qty.
	ZAP/TW	1608740000	50
	ZAP/TW BL	1608750000	50
	ZAP/TW OR	1608760000	50

Small partition

Thickness 4 mm	TSch 2	0353660000	100
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Cross-connections

QL	WQV	2-pole	WQV 4/2	1051960000	50
		3-pole	WQV 4/3	1054560000	50
		4-pole	WQV 4/4	1054660000	50
		5-pole	WQV 4/5	1057860000	10
		10-pole	WQV 4/10	1052060000	20

QVS	QVSK 2	QVS 2	1319260000	20
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WKS	BS M 3x22	1319900000	50
	VH 16	0309700000	50

WKB	BS M 3x20 Cu	0377100000	100
	VH 12	0249000000	100
	QVS 2	0307300000	20
	QVSK 2	1670360000	20
	QVS 3	0329300000	20
	QVS 4	0307400000	20
	BS 25 GE	03335700000	50
	VH 19	0318000000	50
	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 8.5 ø 2.3	0280600000	50

Disconnect lock

SSP 4	1319360000	20
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Test plug

PS 2.3	0180400000	20
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Marking tags

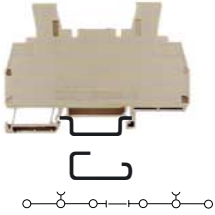
DEK 6	section "Accessories"	DEK 8	section "Accessories"
WS 12/6	1609900000 600	WS 12/6.5	1609920000 540
WS 12/6	1609910000 120	WS 12/6.5	1609930000 108

DEK 8	section "Accessories"	DEK 8	section "Accessories"
WS 12/6.5	1609920000 540	WS 12/6.5	1609930000 108
WS 12/6.5	1609930000 108	WS 12/6.5	1609930000 108

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

Disconnect test terminals

WTL 6/2



57 A/10 mm²

 8/87/61.8
 -/M 3.5/3¹/4.0 x 0.8

500 V²/41 A/6 mm²
 6 kV/3

0.8...1.6/0.5...0.8¹)
 3

0.5...10	
1.5...10	
0.5...10	
0.5...6	
0.5...6	
0.5...10	A 5
63	
63	

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

Type	Qty.	
	50	1017700000

Type	Cat. No.	Qty.
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WKS 1/2	1604270000	50
WKS 1/3	1604290000	50
WKS 1/4	1604310000	50

WQV 6/2	1052360000	50
WQV 6/3	1054760000	50
WQV 6/4	1054860000	50
WQV 6/5	1062660000	50
WQV 6/10	1052260000	20

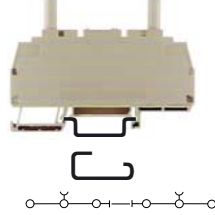
STB21.6/H/GE	1071010000	50
STB21.6/H/GN	1071020000	50
STB21.6/H/VI	1071030000	50
STB21.6/H/BL	1071080000	50
STB21.6/H/DB	1071000000	50
STB21.6/H/SW	1071040000	50
STB21.6/H/RT	1778990000	50

SSP WTL 6/2 **1604200000** 100

PS 4	0299600000	20
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DEK 8	section "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

WTL 6/3/STB



57 A/10 mm²

 8/87/64.8 (mit STB)
 -/M 3.5/3¹/4.0 x 0.8

500 V²/41 A/6 mm²
 6 kV/3

0.8...1.6/0.5...0.8¹)
 3

0.5...10	
1.5...10	
0.5...10	
0.5...6	
0.5...6	
0.5...10	A 5
63	
63	

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

Type	Qty.	
	50	1018900000

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

WKS 1/2	1604270000	50
WKS 1/3	1604290000	50
WKS 1/4	1604310000	50

SC M 3 x 8 **1801990000** 50

WQV 6/2	1052360000	50
WQV 6/3	1054760000	50
WQV 6/4	1054860000	50
WQV 6/5	1062660000	50
WQV 6/10	1052260000	20

STB21.6/H/GE	1071010000	50
STB21.6/H/GN	1071020000	50
STB21.6/H/VI	1071030000	50
STB21.6/H/BL	1071080000	50
STB21.6/H/DB	1071000000	50
STB21.6/H/SW	1071040000	50
STB21.6/H/RT	1778990000	50

SSP WTL 6/2 **1604200000** 100

PS 4	0299600000	20
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DEK 8	section "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108



Disconnect test terminals with tension-clamp technology

Max. technical data

Dimensions/approvals
 Width/length/height (mm) with TS 35 x 7.5
 Width/length/height (mm) with TS 32
 Insulation stripping length/terminal screw/screwdriver blade

Rated data VDE 0611 Part 1/8.92/IEC 60947-7-1
 Rated voltage/current/cross-section
 Rated impulse voltage VDE 0110/1.89/pollution severity

Further technical data
 Tightening torque load for disconnect slide link Nm

Clampable conductor
 Solid H07V-U mm²
 Flexible H07V-K mm²
 Flexible H07V-K with ferrule according to DIN 46 228/1 mm²
 Flexible H07V-K and AEH with plastic insul. collar mm²
 Max. clamping range mm²/gauge pin to IEC 60 947-7-1 Size
 Continuous voltage of cross-connection V
 Continuous current of cross-connection A

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

Ordering data
 Without test socket screw Type Wemid
 With 1 test socket screw Ø 4 mm Type Wemid
 With 2 test socket screws Ø 4 mm Type Wemid

End plate/partition (thickness 2 mm)
 Wemid BE
 OR

Cross-connection
 KSBR/2
 10 A 2-pole
 10 A 3-pole
 10 A 4-pole

ZQV 6/4
 41 A 2-pole
 41 A 3-pole
 41 A 4-pole
 41 A 30-pole

Screwdriver
 SD 0.8x4.0 **9008340000** 1
 SDI 0.8x4.0 **9008400000** 1
 insulated

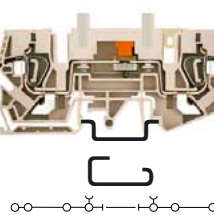
Test socket
 STB 21.6
 Test socket type STB21, 6 accepts test plugs made by Multi-Contact GmbH, Postfach 1606, 79551 Weil am Rhein, Germany
 Colour: yellow, green, violet, blue, beige, black, red

Disconnect lock
 SPP/ZTL 6
 prevents undesired opening of the disconnect slide link

Test plug
 PS 4 **0299600000** 20

Marking tags
 Tag carrier¹⁾
 DEK Standard
 WS white neutral
 WS indiv. printed

ZTL 6/STB



52 A/10mm²

 8/106/47.5
 8/106/55
 13 mm/ - / -

800 V²/41 A/6 mm²
 8 kV/3

0.5...0.6

0.5...10	
0.5...6	
0.5...6	
0.5...6	
0.5...10	A5
63	
10	

300 V/33 A/20...8 AWG
 300 V/33 A/20...8 AWG

Type	Cat. No.	Qty.
ZTL 6	1771800000	50

Type	Cat. No.	Qty.
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KSBR/2 ZTL6	1771820000	20
KSBR/3 ZTL6	1771830000	20
KSBR/4 ZTL6	1771840000	20

ZQV6/2	1627850000	60
ZQV6/3	1627860000	60
ZQV6/4	1627870000	60
ZQV6/30	1733640000	10

SD 0.8x4.0	9008340000	1
SDI 0.8x4.0	9008400000	1

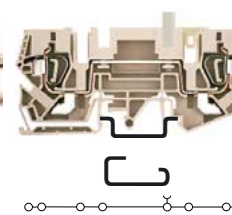
STB21.6/H/GE	1071010000	50
STB21.6/H/GN	1071020000	50
STB21.6/H/VI	1071030000	50
STB21.6/H/BL	1071080000	50
STB21.6/H/DB	1071000000	50
STB21.6/H/SW	1071040000	50
STB21.6/H/RT	1778990000	50

SPP/ZTL 6 **1771860000** 100

PS 4	0299600000	20
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BZT ZTL 6	1781140000	20
DEK 8	section "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

ZTD 6



52 A/10mm²

 8/106/47.5
 8/106/55
 13 mm/ - / -

800 V²/41 A/6 mm²
 8 kV/3

0.5...10

0.5...10	
0.5...6	
0.5...6	
0.5...6	
0.5...10	A5
63	
10	

300 V/33 A/20...8 AWG
 300 V/33 A/20...8 AWG

Type	Cat. No.	Qty.
ZTD 6	1771810000	50

Type	Cat. No.	Qty.
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KSBR/2 ZTL6	1771820000	20
KSBR/3 ZTL6	1771830000	20
KSBR/4 ZTL6	1771840000	20

ZQV6/2	1627850000	60
ZQV6/3	1627860000	60
ZQV6/4	1627870000	60
ZQV6/30	1733640000	10

SD 0.8x4.0	9008340000	1
SDI 0.8x4.0	9008400000	1

STB21.6/H/GE	1071010000	50
STB21.6/H/GN	1071020000	50
STB21.6/H/VI	1071030000	50
STB21.6/H/BL	1071080000	50
STB21.6/H/DB	1071000000	50
STB21.6/H/SW	1071040000	50
STB21.6/H/RT	1778990000	50

SPP/ZTL 6 **1771860000** 100

PS 4	0299600000	20
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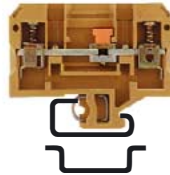
BZT ZTL 6	1781140000	20
DEK 8	section "Accessories"	
WS 12/6.5	1609920000	540
WS 12/6.5	1609930000	108

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

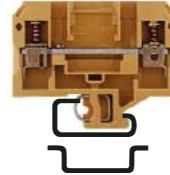
Disconnect test terminals



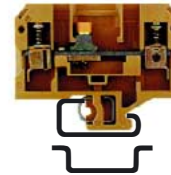
SAKT 1/LT SAKT 1/LT/35



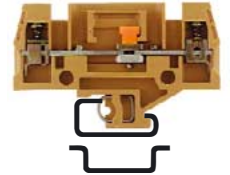
SAKT 1/DU 1 SAKT 1/35/DU 1



SAKT 1/QT 1 SAKT 1/35/QT 1



SAKT 2/LT SAKT 2/35/LT



Max. technical data

Dimensions/approvals

Width/length/height (mm)	with TS 32	8/65/52.5
Width/length/height (mm)	with TS 35 x 7.5	8/65/48.5
Insulation stripping length/terminal screw/screwdriver blade		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 mm ²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3

Further technical data

Tightening torque load	Nm	0.8...1.6/0.5...0.8 ³⁾
Torque setting with DMS 2 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...6
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	0.5...6
Plug gauge according to 60 947-7-1	Size	A 5
Continuous rating of cross-connection 2...5-pole	A	(QL 2...5) 47
Continuous rating of cross-connection 6...10-pole	A	(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

Ordering data

Type	Qty.	Qty.
Without test socket screw	KrG	0269120000 50 0105420000 50
With open back wall for cross-connection	KrG	
With 4 test socket screws ø 4 mm ¹⁾	KrG	
With 2 test socket screws ø 4 mm	KrG	0437920000 50 0105620000 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.
AP	KrG	AP (3.0) 0146720000 20
	KrG	TW (3.0) 0242920000 20
TSch 2	PA	AP (1.5) 0146760000 20
	PA	TW (1.5) 0242960000 20
	HP	TW (0.5) 0474700000 20
	TSch 2	0353660000 100

Cross-connections

QL 2	2-pole	QL 2 0194300000 50
QL 3	3-pole	QL 3 0194400000 50
QL 4	4-pole	QL 4 0194500000 50
QL 10	5-pole	QL 10 0338300000 20
	10-pole	BSM 3x20 Cu 0377100000 100
QVS		VH 12 0249000000 100
QVS 2		QVS 2 0307300000 20
WKS		QVSK 2 1670360000 20
WKB		QVS 3 0329300000 20
		QVS 4 0307400000 20
		BS 25 blank 0334700000 50
		VH 19 0318000000 50
		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
-------	----------------

Socket

STB14	0169900000 50
-------	---------------

Marking tags

Print	DEK	Standard
1 2 3 4 5 6	DEK 6.5	section "Accessories"

1) for disconnect element

2) 400 V when used as disconnect test terminal block

3) Tightening torque range for disconnect 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

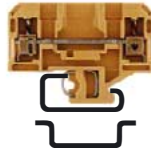
SSP 4 1319360000 20

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
Width/length/height (mm)	with TS 35 x 7.5
Insulation stripping length/terminal screw/screwdriver blade	

Rated data

Rated voltage/current/cross-section	500 V/47 A/10 mm ²
Rated impulse voltage VDE 0110/1.89/pollution severity	6 kV/3

Further technical data

Tightening torque load	Nm	1.2...2.4
Torque setting with DMS 2 electric screwdriver		4

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 with ferrule according to DIN 46 228/1	mm ²	0.5...10
Plug gauge according to 60 947-7-1	Size	B 6
Continuous current of terminal for conductor size		
Continuous rating of cross-connection 2...5-pole	A	(QL 2...5) 47
Continuous rating of cross-connection 6...10-pole	A	(QL 6...10) 36

UL/CSA rated data

Voltage/current/conductor size	UL	600 V/35 A/18...8 AWG
Voltage/current/conductor size	CSA	600 V/45 A/18...8 AWG

Ordering data

Without test socket screw	Type	KrG	
With open back wall for cross-connection	Type	KrG	
With 4 test socket screws Ø 4 mm	Type	KrG	
With 2 test socket screws Ø 4 mm	Type	KrG	
With 1 test socket screw Ø 4 mm	Type	KrG	

End plate/partition/small partition (thickness mm)

AP	Type	KrG	
TW	Type	KrG	

Cross-connection

QL	QB 4	2-pole	QL 2	0135500000	50
		3-pole	QL 3	0135600000	50
		4-pole	QL 4	0135700000	50
		10-pole	QL 10	0338500000	20
		25-pole	VH 23	0348700000	50

VL	BS	SS M4	BS M 4 x 30	0267100000	50
			SS M 4	0136400000	100
			VL 2	0135800000	50
		VH	BS M 4 x 9	0103300000	100
			SS M 4	0136400000	100
			VL 2	0135900000	50

Dummy plug

	made from plastic, to be used as dummy when plug is pulled
--	--

Test plug/socket

PS 4	PS 4	0299600000	20
------	------	------------	----

StB	Plug-in test socket (QL cannot be used)	StB 13.5	0135200000	50
-----	---	----------	------------	----

Disconnect plug (spare)

StB 16	0140200000	50
--------	------------	----

Marking tags

1	2	3	4	5	6	DEK	Standard
---	---	---	---	---	---	-----	----------

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

SAKA 10

12/82/55.5

12 mm/M 4/5.5 x 1.0

500 V/47 A/10 mm²

6 kV/3

1.2...2.4

4

0.5...10

1.5...10

0.5...10

0.5...10

B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/35 A/18...8 AWG

Type

Cat. No.

Qty.

0134120000 25

SAKB 10

10/65/52.5

12 mm/M 4/5.5 x 1.0

500 V/57 A/10 mm²

6 kV/3

1.2...2.4

4

0.5...10

1.5...10

0.5...10

0.5...10

B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/45 A/18...8 AWG

Type

Cat. No.

Qty.

0134920000 40

SAKC 4 SAKC 4/35

6.5/40/51.5/67

12 mm/M 3/3.5 x 0.6

400 V/25 A/4 mm²

6 kV/3

0.5...1.0/0.5

2/1

0.5...6

1.5...4

0.5...4

0.5...4

A 4

(QB 2...25) 10

300 V/-/22...12 AWG

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

Type

Cat. No.

Qty.

0340720000 100

0357520000 100

Type

Cat. No.

Qty.

0340620000 100

0357620000 100

QB 2¹⁾

0482700000 100

QB 3¹⁾

0482800000 50

QB 4¹⁾

0482900000 50

QB 25 blank¹⁾

0134000000 20

VH 14

0299700000 50

BS M 4 x 20

0362800000 100

SS M 4

0136400000 100

PS 2.3

0180400000 20

TST 4

1380600000 20

ZI WE

0623060000 10

SAKC 10 SAKC 10/35

12/65/52.5/70.5

12 mm/M 4/5.5 x 1.0

500 V/27 A/10 mm²

6 kV/3

1.2...2.4

4

0.5...10

1.5...10

0.5...10

0.5...10

B 6

(QL 2...5) 47

(QL 6...10) 36

600 V/25 A/22...8 AWG

600 V/25 A/20...10 AWG

Type

Cat. No.

Qty.

0324020000 50

1404520000 50

Type

Cat. No.

Qty.

0324120000 50

1404620000 50

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

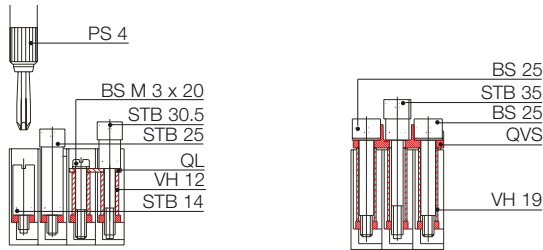
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Weldmüller

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.

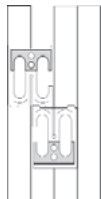
The fixing screws are provided with a coloured insulating sleeve (for easy identification) and screwdriver guiding. The cross-connection slides are designed in such a way that the test sockets which are arranged in terminals remain accessible for test plugs in every position.

The 2-pole version, type QVS 2S, is so designed to permit sliding with plugged-in test plugs. If you desire testing to be still 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.

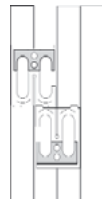
Test sockets of type STB are screwed into the current bar of the terminal. They are used for receiving test plugs, type PS 4, or cross-connecting plugs, type QS2.

QVSK 2 (167036)



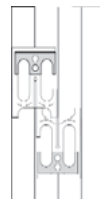
SAKT2

QVS 2 (030730)

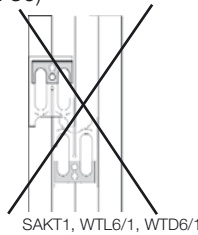


SAKT1, WTL6/1, WTD6/1

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.

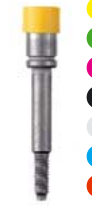
Rated voltage

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 partitions 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 terminal from above. Removal, however, is only possible with a tool.

STB 35



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
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STB 30.5 STB 25



Type	Colour	Cat. No.	Qty.
STB305	black	0341000000	50
STB305	grey	0341100000	50
STB305	blue	0341200000	50
STB305	red	0341300000	50
STB305	green	0341400000	50
STB305	yellow	0341500000	50
STB305	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

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

STB 14



BS 25

Fixing screw



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
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CuZn 39
(Copper-alloy)

BS

Fixing screw



Type	Cat. No.	Qty.
BS M 3 x 20	0377100000	100

CuNi 60
(Copper-alloy)

VH 12	0249000000	100
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E-Cu 57
(Copper-alloy)

VH 19

Connection sleeve



Type	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)

VH

Connection sleeve



Type	Cat. No.	Qty.
BS M 3 x 20	0377100000	100

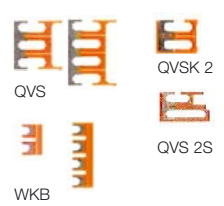
CuNi 60
(Copper-alloy)

VH 12	0249000000	100
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E-Cu 57
(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
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WKB 1/33-pol.	1604300000	50
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WKB 1/44-pol.	1604320000	50
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WKB1/1010-pol.	1604330000	20
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WQV

Cross-connection (complete)



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
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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
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QL 15	15-pol.	0221200000	10
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E-Cu 57			
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(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
------	--------	------------	----

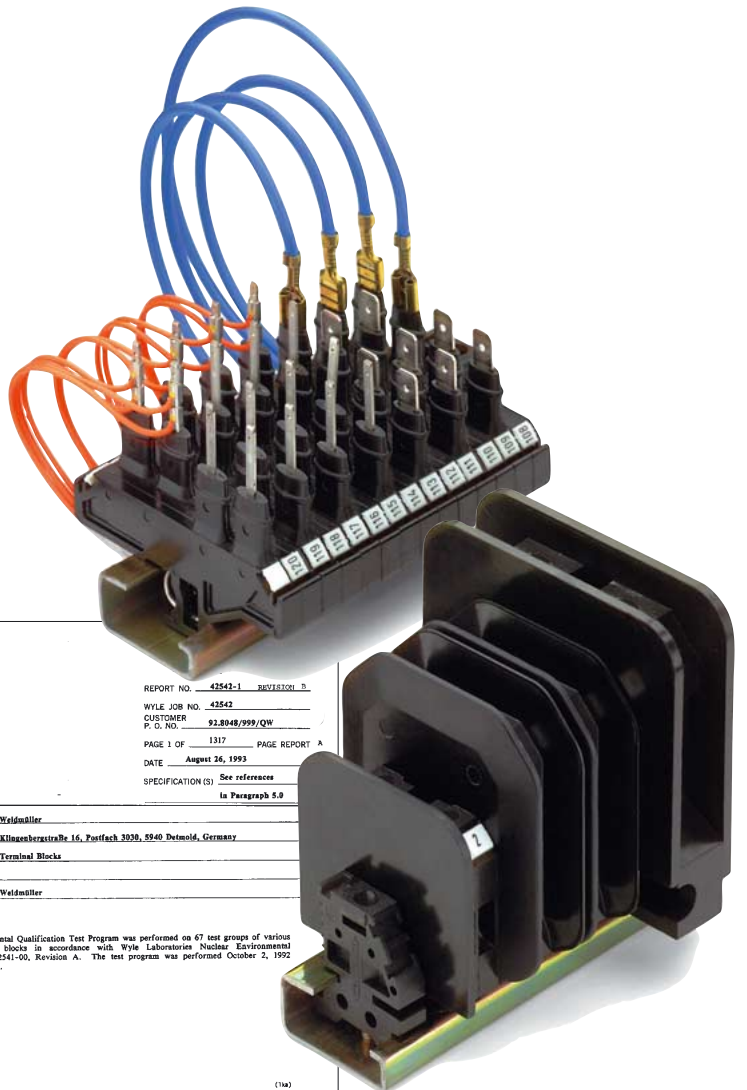
QL 10	10-pol.	0338300000	20
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QL 15	15-pol.	0221200000	10
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E-Cu 57			
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(Copper-alloy)			
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Terminals for containment areas in nuclear power stations



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

1.0 CUSTOMER Weldmüller
 ADDRESS Kilgenbrunnstraße 16, Postfach 3030, 5940 Detmold, Germany

2.0 TEST SPECIMEN Terminal Blocks

3.0 MANUFACTURER Weldmüller

4.0 SUMMARY

A Nuclear Environmental Qualification Test Program was performed on 67 test groups of various Weldmüller 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.

(714)

STATE OF ALABAMA } Alabama Professional COUNTY OF MADISON } Engineer Reg. No. 16311 Joseph L. McMillen, D.E., being duly sworn, deposes and says: The information contained in this report is the best of his knowledge and contains no false or misleading information. Subscribed and sworn to before me on this 7th day of September, 1993. My Commission expires September 7, 1993.	PREPARED BY <u>[Signature]</u> 8/27/93 APPROVED BY <u>[Signature]</u> 8/27/93 WYLE G. A. [Signature] 8-27-93 WYLE LABORATORIES SCIENTIFIC SERVICES & SYSTEMS GROUP HUNTSVILLE, ALABAMA
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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 radioactive 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

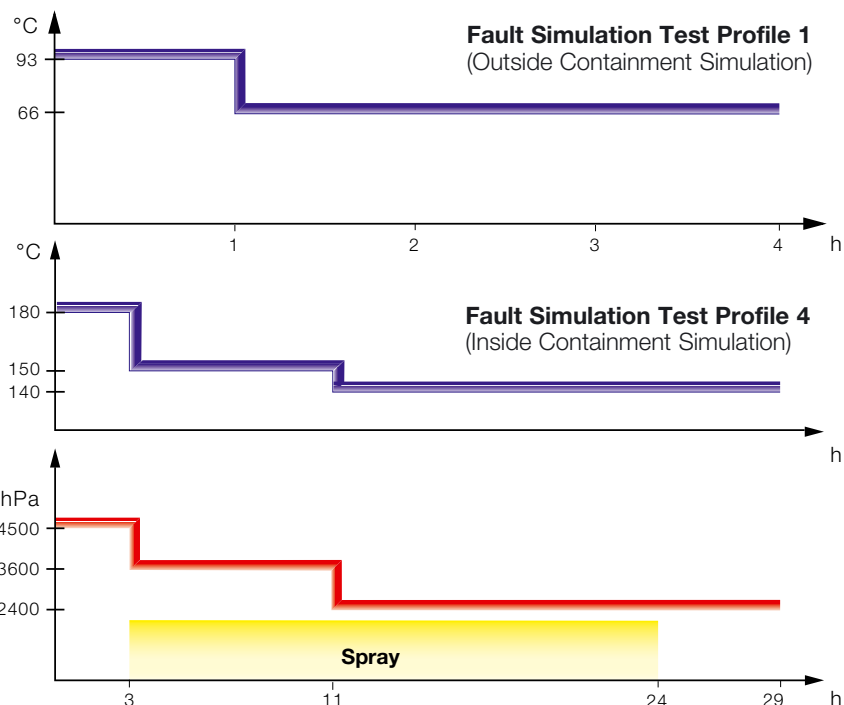
Along with the special terminals for the internal safety area, that comply with the tests according to Class 1E, Weidmüller has performed a range of standard terminal, intensive tests according to test profile 1. They comply fully with the requirements of terminals outside the safety area.

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	
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/32 A/4 mm ²
Rated impulse voltage/pollution severity	8 kV/3
Rated peak current for 1 sec	720 A

Further technical data

Tightening torque load	Nm	0.5...1.0
Torque setting with DMS 2 electric screwdriver DMS 3		2

Clampable conductor

Solid H07V-U	mm ²	0.5...6
Stranded H07V-R	mm ²	1.5...6
Flexible H07V-K	mm ²	0.5...4
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	0.5...4
Plug gauge according to IEC 60 947-7-1	Size	A 4

Width/length/height (mm)	6.5/40/51.5
Insulation stripping length/terminal screw/screwdriver blade	12/M 3/3.5 x 0.6

Width/length/height (mm)	14/57/76.5
Insulation stripping length/terminal screw/screwdriver blade	12/M 4/5.5 x 1

Width/length/height (mm)	18/125/90
Insulation stripping length/terminal screw/screwdriver blade	20/M 6/6.5 x 1.2

Rated voltage/current/cross-section	800 V/32 A/4 mm ²
Rated impulse voltage/pollution severity	8 kV/3
Rated peak current for 1 sec	720 A

Rated voltage/current/cross-section	1000 V/57 A/10 mm ²
Rated impulse voltage/pollution severity	8 kV/3
Rated peak current for 1 sec	1800 A

Rated voltage/current/cross-section	1000 V/125 A/35 mm ²
Rated impulse voltage/pollution severity	8 kV/3
Rated peak current for 1 sec	6300 A

Tightening torque load	Nm	0.5...1.0
Torque setting with DMS 2 electric screwdriver DMS 3		2

Tightening torque load	Nm	1.2...2
Torque setting with DMS 2 electric screwdriver DMS 3		4

Tightening torque load	Nm	2.5...4
Torque setting with DMS 2 electric screwdriver DMS 3		6

Solid H07V-U	mm ²	0.5...6
Stranded H07V-R	mm ²	1.5...6
Flexible H07V-K	mm ²	0.5...4
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	0.5...4
Plug gauge according to IEC 60 947-7-1	Size	A 4

Solid H07V-U	mm ²	1.5...16
Stranded H07V-R	mm ²	16 ¹⁾
Flexible H07V-K	mm ²	2.5...10
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	1...10
Plug gauge according to IEC 60 947-7-1	Size	B 6

Solid H07V-U	mm ²	6...16
Stranded H07V-R	mm ²	16...50
Flexible H07V-K	mm ²	16...50
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²	10...35
Plug gauge according to IEC 60 947-7-1	Size	B8

Ordering data

Version

Steel clamp yoke	
CuNi clamp yoke	

	Cat. No.	Qty.
	0128300000	100
	0168800000	100

	Cat. No.	Qty.
	0126700000	50
	1104700000	20

	Cat. No.	Qty.
	1596240000	20
	1593540000	20

End bracket

WEW



EWK 1



Type	Cat. No.	Qty.
EWK 1	0693060000	50

Type	Cat. No.	Qty.
WEW	1067660000	50

Type	Cat. No.	Qty.
WEW	1067660000	50

Partition/end plate

TW



TW/SAK4	0130100000	20
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AP/SAKH 10	0131700000	20
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TW/SAK 35	0304300000	20
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Marking tags

Print

DEK

Standard



DEK

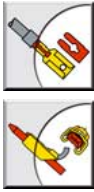
DEK 6.5	section "Accessories"
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DEK 6.5	section "Accessories"
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DEK 6.5	section "Accessories"
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¹⁾ Tightening torque for 16 mm² : 2 Nm

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
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 mm ²	800 V/16 A/2.5 mm ²	800 V/12/6 A/0.5 mm ²	800 V/12/6 A/0.5 mm ²
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 total/terminal	20 A	20 A	12A/6A	12A/6A
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Clampable conductor

Solid H07V-U	mm ²			
Stranded H07V-R	mm ²			
Flexible H07V-K	mm ²	0.5...2.5	0.5...2.5	AWG 24 - 18
Flexible H07V-K with ferrule according to DIN 46 228/1	mm ²			
Plug gauge according to IEC 60 947-7-1	Size			

Ordering data

Version

Version	Cat. No.	Qty.	Version	Cat. No.	Qty.	Version	Cat. No.	Qty.	Version	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



Marking tags

Print

DEK	Standard	DEK 5	section "Accessories"	DEK 5	section "Accessories"	DEK 5	section "Accessories"	DEK 5	section "Accessories"
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DEK

Power supply

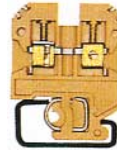
Feed-through terminals outside the safety area, tested according to test profile 1



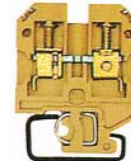
AKZ 4



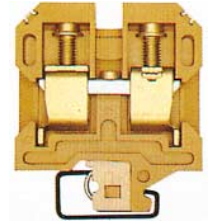
SAK 2.5



SAK 6 N



SAK 35



Dimensions/approvals

Width/length/height (mm)	with TS 15	
Width/length/height (mm)	with TS 32	
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		
Rated impulse voltage/pollution severity		
Rated peak current for 1 sec		

Further technical data

Tightening torque load	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 with ferrule according to DIN 46 228/1	mm ²	
Flexible H07V-K and AEH with plastic insul. collar	mm ²	
Plug gauge according to IEC 60 947-7-1	Size	
Continuous current rating of terminal block for conductor size		

UL/CSA rated data

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

UL/CSA DNV

6/27/30

400 V/32 A/4 mm ²
6 kV/3
720 A

0.5...1.0
2

0.5...6
1.5...4
0.5...4
0.5...4
0.5...4
A 3
38.5 A/6 mm ²

300 V/27A/22...12 AWG
300 V/10 A/24...12 AWG

UL/CSA LR DNV

6/36.5/46.5

800 V/24 A/2.5 mm ²
8 kV/3
300 A

0.4...0.6
1

0.5...6
0.5...2.5
0.5...4
0.5...2.5
0.5...2.5
A 3
32 A/4 mm ²

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

UL/CSA LR DNV

8/40/51.5

800 V/41 A/6 mm ²
8 kV/3
1080 A

0.8...1.6
3

0.5...10
0.5...6
0.5...10
0.5...6
0.5...6
A 5
41 A/6 mm ²

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

UL/CSA LR DNV

18/58/67.5

800 V/125 A/35 mm ²
8 kV/3
5200 A

2.5...5.0

6...16
16...50
10...35
10...35
10...35
A 5
138 A/35 mm ²

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

Ordering data

Version	Type	Cat. No.	Qty.
KrG	TS 15	0294320000	100
Wemid			

Version	Type	Cat. No.	Qty.
	TS 32	0279620000	100

Version	Type	Cat. No.	Qty.
	TS 35 x 7.5	0193220000	100

Version	Type	Cat. No.	Qty.
	TS 35 x 7.5	0303520000	20

End plate/partition



Type	Cat. No.	Qty.
AP (1.5)	0294420000	20
TW	0118900000	20

Type	Cat. No.	Qty.
AP (1.5)	0279520000	20
TW (2.5)	0302820000	20

Type	Cat. No.	Qty.
AP (1.5)	0117920000	20
TW (2.5)	0130120000	20

Type	Cat. No.	Qty.
AP (3.0)	0303620000	10
TW (3.0)	0304320000	20

Cross-connection

WQV	Q4	2-pole	Q 2	0336400000	50
		3-pole	Q 3	0336500000	50
		4-pole	Q 4	0336600000	50
		10-pole	Q 10	0368600000	20

Q 2	0337000000	50
Q 3	0337100000	50
Q 4	0337200000	50
Q 10	0368700000	20

Q 2	0456700000	50
Q 3	0456800000	50
Q 4	0456900000	50
Q 10	0457000000	20

QL 2	0123600000	20
QL 3	0123700000	20
QL 4	0123800000	20
QL 10	0338600000	20

Test adapter



WTA Strain relief

Test plug/socket

PS 2.3	STB 8.5

STB 8.5	0280600000	50
PS 2.3	0180400000	20

STB 14	0169900000	50
PS 4	0299600000	20

STB 16	0140200000	50
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

DEK	Standard	DEK 6	section "Accessories"

DEK 6 section "Accessories"

DEK 8 section "Accessories"

DEK 5 section "Accessories"

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

WDK 2.5



UL LR DNV

5/69/63
10 mm/M 2.5/3.5 x 0.6
400 V/24 A/2.5 mm ²
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 mm ²
300 V/20 A/22...12 AWG
300 V/20 A/26...12 AWG

Type	Cat. No.	Qty.
WAP	1021500000	100

Type	Cat. No.	Qty.
WTW	1058800000	20

Type	Cat. No.	Qty.
WQV 2.5/2	1053660000	50
WQV 2.5/3	1053760000	50
WQV 2.5/4	1053860000	50
WQV 2.5/10	1054460000	20

Type	Cat. No.	Qty.
WTA 4710	1649620000	5
AD 3	0485400000	20x1m
HP 3	0485760000	20

Type	Cat. No.	Qty.
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



UL LR DNV

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
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 mm ²
300 V/20 A/22...12 AWG
300 V/20 A/26...12 AWG

Type	Cat. No.	Qty.
WAP-WDU1.5	1060000000	50

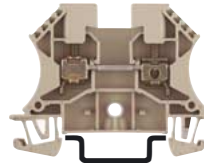
Type	Cat. No.	Qty.
TW (1.5)	0191860000	20

Type	Cat. No.	Qty.
WQV 2.5/2	1053660000	50
WQV 2.5/3	1053760000	50
WQV 2.5/4	1053860000	50
WQV 2.5/10	1054460000	20

Type	Cat. No.	Qty.
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

Type	Cat. No.	Qty.
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



UL LR DNV

6/60/47
10 mm/M 3/3.5 x 0.6
800 V/32 A/4 mm ²
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 mm ²
600 V/35 A/22...10 AWG
600 V/35 A/26...10 AWG

Type	Cat. No.	Qty.
WAP 2.5-10	1050000000	50

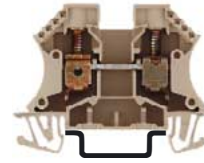
Type	Cat. No.	Qty.
WTW 2.5-10	1050100000	20

Type	Cat. No.	Qty.
WQV 4/2	1051960000	50
WQV 4/3	1054560000	50
WQV 4/4	1054660000	50
WQV 4/10	1052060000	20

Type	Cat. No.	Qty.
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

Type	Cat. No.	Qty.
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



UL LR DNV

10/60/47
12 mm/M 4/5.5 x 1.0
800 V/57 A/10 mm ²
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
1.5...16
B 6
76 A/16 mm ²
600 V/60 A/16...6 AWG
600 V/65 A/16...6 AWG

Type	Cat. No.	Qty.
WAP 2.5-10	1050000000	50

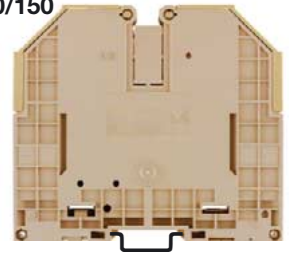
Type	Cat. No.	Qty.
WTW 2.5-10	1050100000	20

Type	Cat. No.	Qty.
WQV 10/2	1052560000	50
WQV 10/3	1054960000	50
WQV 10/4	1055060000	50
WQV 10/10	1052460000	20

Type	Cat. No.	Qty.
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

Type	Cat. No.	Qty.
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



UL LR DNV

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

Type	Cat. No.	Qty.
WAP	1024500000	10

Type	Cat. No.	Qty.
WTW		

Type	Cat. No.	Qty.
WQV 120/2	1063300000	5
WQV 120/3	1063400000	5

Type	Cat. No.	Qty.
PS 4	0299600000	20
pluggable in screw head of connection system		
with danger sign		
1062860000 10		
without danger sign		
1062960000 10		

Type	Cat. No.	Qty.
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**