

Disconnect Terminals

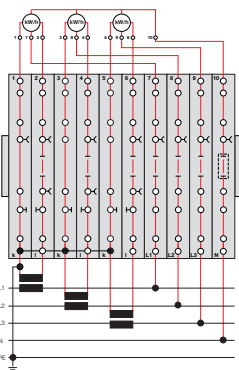
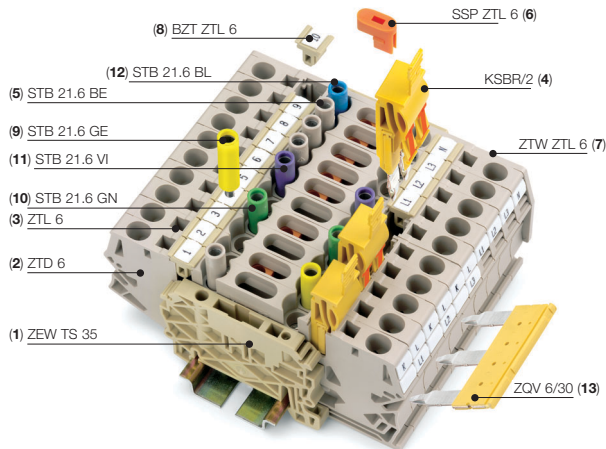
Terminal Blocks for Power Plants

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. For standard connections and circuits, Weidmüller terminal blocks from the W-, Z-, I- and SAK-series exceed by far all technical requirements and fulfill every demand with regard to functionality and accessories.

Terminal Blocks 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 terminal blocks for power station applications in close cooperation with operators. These terminal blocks permit the optimum realization of all important circuits for the measurement of current, voltage and power.

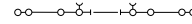
Test disconnect for counter reading with ZTL 6



Current transformer circuits must always have a closed secondary current circuit. The same applies to the exchange of information from measuring instruments or electricity meters and when carrying out reference measurements with external measuring instruments. Various easy and cost effective wiring solutions can be solved with the lateral disconnect terminals ZTL 6 STB, the feed-through terminals ZTD 6 STB and with the help of the functionally designed accessories. All circuits found in practice can be realized with only a few accessory parts. The cross-connection sliders are designed to be safe from finger-contact. The installation of two additional cross-connections for the K-point distribution is possible. These are standard cross-connections, ZQV 6/..., of the Z-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.

ZTL 6/STB

Lateral disconnect



Slide Link

Terminal Block Selection Data

Available Options	Version	Part No.
Without test socket	Wemid	1771800000
With 1 test socket	Wemid	
With 2 test sockets	Wemid	1771950000

Dimensions

Width / Length / Height mm (in.)	with TS 35 x 7.5	8 / 106 / 47.5 (.31 / 4.17 / 1.87)
Insulation stripping length	mm (in.)	13 (.51)

Technical Data

Rated voltage / rated current / wire size	UL	300 V / 33 A / #20...8 AWG
	CSA	300 V / 33 A / #20...8 AWG
	VDE	400 V / 41 A / 6 mm ²
Torque	Nm (lb. in.)	0.5...0.6 (4.42...5.31)

Selected Accessory Data[†]

End Plate / Partition	Type	Part No.
(Thickness 2 mm)	Wemid	ZTW/ZTL 6 1771870000
	Orange	ZTW/ZTL 6 1771880000

Jumpers

KSB/R	10 A	2-pole	KSB/R/2 ZTL6	1771820000
	10 A	3-pole	KSB/R/3 ZTL6	1771830000
	10 A	4-pole	KSB/R/4 ZTL6	1771840000
ZQV 6	41 A	2-pole	ZQV6/2	1627850000
	41 A	3-pole	ZQV6/3	1627860000
	41 A	4-pole	ZQV6/4	1627870000
	41 A	30-pole	ZQV6/30	1733640000

Tools

Screwdriver	SD	9008330000
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Disconnect Lock

SSP / ZTL 6	SSP/ZTL 6	1771860000
Prevents accidental openings of the disconnect mechanism		

Test Plug

PS 4	PS 4	0299600000
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Marking Tags

Print	Part No.
Tag carriers	BZT ZTL 6 1781140000
Consecutive horizontal	DEK 5/8 1653340001
Consecutive vertical	DEK 5/8 1653350001

[†]See Accessories section for additional information.