Data sheet

ZBE 6

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Weidmueller offers tapping terminals for various types of bus bar systems. Depending on the application, a distinction can be made here between insulated and non-insulated tap-off terminals.

General ordering data

Version	Terminal (busbar connection)
Order No.	0459500000
Type	ZBE 6
GTIN (EAN)	4008190032692
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	28 mm	Depth (inches)	1.1024 inch
Height	19 mm	Height (inches)	0.748 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	7.3 g		

Temperatures

Ambient temperature	-5 °C...40 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Steel	Colour	silver

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO03ATEX136028U	Certificate No. (IECEX)	IECEXULD13.0005U
Wire cross section max. (ATEX)	6 mm²	Wire cross section max. (IECEX)	6 mm²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D
Safety notice	Installation instructions: The potential equalisation (PE) rail modules are suitable for use in housings in atmospheres with flammable gases and dust. For use in areas with flammable gases, these housings must meet the requirements of EN 60079-0 and EN 60079-7. For use in areas with flammable dust, these housings must meet the requirements of EN 60079-0 and EN 60079-31. When combined with other terminal block ranges and sizes, and when other accessories are used, you must comply with the clearance and creepage distances given.		

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	Regarding accessory use, the manufacturer's instructions must be followed. List of restrictions: The PE rail modules are considered one component, with Ex marking when used with the busbar holders of type SH and WEW. When used independently, the above named components are not covered by this certificate.

System specifications

Version	for busbar 10 x 3 mm, for busbar 10 x 5 mm

Additional technical data

Installation advice	Busbar, Direct mounting	Type of mounting	when screwed in

CSA rating data

Wire cross section max. (CSA)	8 AWG	Certificate No. (CSA)	12400-237
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (rated connection)

Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Stripping length	19 mm	Type of connection	Clamping yoke
Clamping range, max.	10 mm²	Clamping range, min.	1 mm²
Clamping screw	M 4	Wire connection cross section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	1 mm²	Connection cross-section, stranded, min.	1 mm²
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	1 mm²

General

Installation advice	Busbar, Direct mounting

Rating data

Rated cross-section	6 mm²

UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring min. (UR)	20 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	20 AWG
Conductor size Field wiring max. (UR)	12 AWG		

Classifications

ETIM 8.0	EC000001	ETIM 9.0	EC000001
ETIM 10.0	EC000001	ECLASS 14.0	27-25-01-16

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Technical data

ECLASS 15.0	27-25-01-16

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