

ZBE 6**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

General ordering data

Version	Clamping yoke (bus-bar), Clamping yoke, silver, 6 mm ² , Width: 8 mm, M 4, Steel
Order No.	0459500000
Type	ZBE 6
GTIN (EAN)	4008190032692
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	28 mm	Depth (inches)	1.102 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
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Material data

Material	Steel	Colour	silver
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Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO03ATEX136028U	Certificate No. (IECEX)	IECEXULD13.0005U
Wire cross section max. (ATEX)	6 mm ²	Wire cross section max. (IECEX)	6 mm ²
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.
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
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Technical data**Additional technical data**

Installation advice	Busbar, Direct mounting	Type of mounting	when screwed in
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CSA rating data

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

Conductors for clamping (rated connection)

Clamping range, max.	10 mm ²	Clamping range, min.	1 mm ²
Clamping screw	M 4	Stripping length	19 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Type of connection	Clamping yoke	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	1 mm ²		

General

Installation advice	Busbar, Direct mounting
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Rating data

Rated cross-section	6 mm ²
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UL rating data

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

Classifications

ETIM 6.0	EC002848	ETIM 7.0	EC002848
ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 9.0	27-14-11-92
ECLASS 9.1	27-14-11-92	ECLASS 10.0	27-14-11-92
ECLASS 11.0	27-14-11-46	ECLASS 12.0	27-14-11-46
ECLASS 13.0	27-25-01-16	ECLASS 14.0	27-25-01-16
ECLASS 15.0	27-25-01-16		

Environmental Product Compliance

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

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Technical data

Approvals

Approvals



Approvals MAMID

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ROHS

Conform

UL File Number Search

UL Website

Certificate No. (UR)

E60693

Certificate No. (cURusEX)

E184763

Downloads

Approval/Certificate/Document of Conformity

[Attestation of Conformity](#)
[UKCA Attestation of conformity](#)
[ATEX Certificate](#)
[IECEx Certificate](#)
[UKCA Certificate](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Installation Instruction](#)
[StorageConditionsTerminalBlocks](#)
[NTI ZB WBD](#)

Catalogues

[Catalogues in PDF-format](#)