

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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)
Order No.	<a href="#">0459500000</a>
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

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
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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 <sup>2</sup>	Wire cross section max. (IECEX)	6 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label		Safety notice	Ex eb II C Gb

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.

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## System specifications

Version	for busbar 10 x 3 mm, for busbar 10 x 5 mm
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## 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 screw	M 4	Stripping length	19 mm
Tightening torque, min.	1.2 Nm	Type of connection	Clamping yoke
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	1 mm <sup>2</sup>

## General

Installation advice	Busbar, Direct mounting
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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
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

## Environmental Product Compliance

REACH SVHC	/
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## Approvals

Approvals



CURUSEX ATEX



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

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Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a>
	<a href="#">UKCA Attestation of conformity</a>
	<a href="#">ATEX Certificate</a>
	<a href="#">IECEX Certificate</a>
Engineering Data	<a href="#">UKCA Certificate</a>
	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Installation Instruction</a>
	<a href="#">StorageConditionsTerminalBlocks</a>
	<a href="#">NTI ZB WBBB</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>