

Accessories
ZBE 6

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In the switching facilities and controllers, the N conductor may need to be merged with the PE conductor at a central point. For this reason, busbars are available that allow a wide range of cables to be connected within a confined space (up to 70 wires on one metre of rail). The cables are connected via a compression piece or a clamping yoke. For the first variant there is no need to bend the lugs. A guide lug at the compression piece grips into the busbar and holds tightly to the compression piece. The clamping yokes can be moved on the busbar and adjusted to the whole wiring in the facility. The busbar can be used without holes in various lengths. The rail holding clamp SH is used for fastening. On longer rails, it can also be aligned between clamping yokes.

General ordering data

Type	ZBE 6
Order No.	0459500000
Version	Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Busbar
GTIN (EAN)	4008190032692
Qty.	50 pc(s).

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Technische Daten**Dimensions and weights**

Length	20 mm	Width	8 mm
Height of lowest version	20 mm	Net weight	9.08 g

Temperatures

Operating temperature	Storage temperature
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Rated data IECEx/ATEX

Certificate No. (ATEX)	DEMKO03ATEX136028U	ATEX certificate	DEMKO03ATEX136028U_d.pdf
ATEX certificate	DEMKO03ATEX136028U_e.pdf	Wire cross section max. (ATEX)	6 mm ²
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking ATEX Directive 94/9/EC	II 2 G D		

Additional technical data

Installation advice	Busbar	Version	15 x 6 mm busbar connection
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CSA ratings data

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

Clampable wires (rated connection)

Type of connection	Clamping yoke	Tightening torque, min.	1.2 Nm
Wire connection cross section, solid core, max. rated connection	1 mm ²	Wire connection cross section, solid core max. rated connection	10 mm ²
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²

UL ratings 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

Material data

Material	Steel	Colour	Silver
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System specifications

Product family	Accessories	Type of connection	Clamping yoke
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Classifications

ETIM 3.0	EC000001	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-31	eClass 6.2	27-14-11-90
eClass 7.1	27-14-11-90		

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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.

Approvals

Approvals



ROHS

Conform