

Accessories
ZBE 6

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Product image**Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

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

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Width | 8 mm | Width (inches) | 0.315 inch |
| Height | 19 mm | Height (inches) | 0.748 inch |
| Depth | 28 mm | Depth (inches) | 1.102 inch |
| Net weight | 9.08 g | | |

Temperatures

| | |
|-----------------------------|---|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|-----------------------------|---|

Material data

| | | | |
|----------|-------|--------|--------|
| Material | Steel | Colour | silver |
|----------|-------|--------|--------|

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Technical data

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 |
| 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. |
| II 2 G D | | | |

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

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

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Technical data

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 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 |

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 |
| eClass 9.0 | 27-14-11-92 | eClass 9.1 | 27-14-11-92 |
| eClass 10.0 | 27-14-11-92 | UNSPSC | 30-21-18-11 |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity ATEX Certificate IECEX Certificate |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| User Documentation | Installation Instruction StorageConditionsTerminalBlocks |