

Accessories
ZB 16K BL**Weidmüller Interface GmbH & Co. KG**
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Germany
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www.weidmueller.com

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 | ZB 16K BL |
| Order No. | 0502880000 |
| Version | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, PA, Blue, Busbar |
| GTIN (EAN) | 4008190014186 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|---------|------------|--------|
| Length | 19 mm | Width | 10 mm |
| Height of lowest version | 25.5 mm | Net weight | 8.74 g |

Temperatures

| | |
|-----------------------|---------------------|
| Operating temperature | Storage temperature |
|-----------------------|---------------------|

Rated data IECEx/ATEX

| | | | |
|--------------------------------|--------------------------|-----------------------------|---|
| ATEX certificate | DEMKO03ATEX136028U_d.pdf | ATEX certificate | DEMKO03ATEX136028U_e.pdf |
| Voltage, cross-connection | CrossConnectionGuide.pdf | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| Marking ATEX Directive 94/9/EC | II 2 G D | | |

Additional technical data

| | | | |
|---------------------|--------|---------|-----------------------------|
| Installation advice | Busbar | Version | 15 x 6 mm busbar connection |
|---------------------|--------|---------|-----------------------------|

CSA ratings data

| | | | |
|-------------------------------|-----------|-------------------------------|-------|
| Certificate No. (CSA) | 12400-237 | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 12 AWG | | |

Clampable wires (rated connection)

| | |
|--------------------|---------------|
| Type of connection | Clamping yoke |
|--------------------|---------------|

UL ratings data

| | | | |
|---|-----------------|---|-------|
| Certificate No. (UR) | E60693VOL1SEC45 | Conductor size Factory wiring max. (UR) | 4 AWG |
| Conductor size Factory wiring min. (UR) | 12 AWG | Conductor size Field wiring max. (UR) | 4 AWG |

Material data

| | | | |
|---------------------|--------|----------|-------|
| Insulating material | PA | Material | Steel |
| Colour | Silver | | |

System specifications

| | | | |
|----------------|-------------|--------------------|---------------|
| Product family | Accessories | Type of connection | Clamping yoke |
|----------------|-------------|--------------------|---------------|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC000001 | ETIM 3.0 | EC000001 |
| UNSPSC | 30-21-18-11 | eClass 4.1 | 27-14-11-31 |
| eClass 5.1 | 27-14-11-31 | eClass 6.2 | 27-14-11-90 |
| eClass 7.1 | 27-14-11-90 | | |

Product information

| | |
|---------------------|--|
| Product description | rigid / flexible 6 - 16mm ² |
|---------------------|--|

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Technical data**Rated data IECEx/ATEX**

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