

**ZB 4****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    | Accessories, Clamping yoke for busbar, Rated cross-section: Clamping yoke, Feed-through (bushing) |
| Order No.  | <a href="#">0316500000</a>                                                                        |
| Type       | ZB 4                                                                                              |
| GTIN (EAN) | 4008190061999                                                                                     |
| Qty.       | 50 pc(s).                                                                                         |

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|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 16 mm   | Depth (inches)  | 0.63 inch  |
| Height     | 15.5 mm | Height (inches) | 0.61 inch  |
| Width      | 5.3 mm  | Width (inches)  | 0.209 inch |
| Net weight | 3.001 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) | 4 mm <sup>2</sup>                                                                                 | Wire cross section max. (IECEX) | 4 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<br>Installation instructions:<br>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.<br>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.<br>List of restrictions:<br>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 subsequently slewing-in |
|---------|---------------------------------------------------|

## Additional technical data

|                     |                        |                  |                 |
|---------------------|------------------------|------------------|-----------------|
| Installation advice | Feed-through (bushing) | Type of mounting | when screwed in |
|---------------------|------------------------|------------------|-----------------|

## CSA rating data

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-237 | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

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## Technical data

## Conductors for clamping (rated connection)

|                                                      |                     |                                                      |                   |
|------------------------------------------------------|---------------------|------------------------------------------------------|-------------------|
| Clamping screw                                       | M 3                 | Stripping length                                     | 16 mm             |
| Tightening torque, max.                              | 1 Nm                | Tightening torque, min.                              | 0.5 Nm            |
| Type of connection                                   | Clamping yoke       | Wire connection cross section, finely stranded, max. | 4 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.      | 6 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.      | 0.5 mm <sup>2</sup> |                                                      |                   |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 39 mm |
|--------------|-------|

## General

|                     |                        |
|---------------------|------------------------|
| Installation advice | Feed-through (bushing) |
|---------------------|------------------------|

## 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    | 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 |

## Approvals

Approvals



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

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Attestation of conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">UKCA Certificate</a> |
| Engineering Data                            | <a href="#">CAD data – 41547_ZB_4_DXF.dxf</a><br><a href="#">CAD data – STEP</a>                                                                                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                             |
| User Documentation                          | <a href="#">Installation Instruction</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ZB WBBD</a>                                                                               |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                 |
| Brochures                                   |                                                                                                                                                                                                          |