

**WBBD 16 GY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

**General ordering data**

|            |                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| Version    | W-Series, Distribution block, Rated cross-section: 16 mm <sup>2</sup> , Screw connection, Wemid, Terminal rail / mounting plate |
| Order No.  | <a href="#">2603840000</a>                                                                                                      |
| Type       | WBBD 16 GY                                                                                                                      |
| GTIN (EAN) | 4050118652307                                                                                                                   |
| Qty.       | 12 Stück                                                                                                                        |

Erstellungs-Datum May 25, 2023 3:12:19 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 55.2 mm | Depth (inches)  | 2.173 inch |
| Height     | 47.8 mm | Height (inches) | 1.882 inch |
| Width      | 15.2 mm | Width (inches)  | 0.598 inch |
| Net weight | 76 g    |                 |            |

### Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

### Material data

|          |       |                           |       |
|----------|-------|---------------------------|-------|
| Material | Wemid | Insulating material       | Wemid |
| Colour   | grey  | UL 94 flammability rating | V-0   |

### Rating data IECEx/ATEX

|                        |                    |                                 |                    |
|------------------------|--------------------|---------------------------------|--------------------|
| Certificate No. (ATEX) | DEMKO03ATEX136028U | Certificate No. (IECEX)         | IECEXULD13.0005U   |
| Current (ATEX)         | 76 A               | Wire cross section max. (ATEX)  | 16 mm <sup>2</sup> |
| Current (IECEX)        | 76 A               | Wire cross section max. (IECEX) | 16 mm <sup>2</sup> |

### System specifications

|                                     |                  |                               |    |
|-------------------------------------|------------------|-------------------------------|----|
| Version                             | Screw connection | End cover plate required      | No |
| Number of potentials                | 1                | Number of levels              | 1  |
| Number of clamping points per level | 2                | Number of potentials per tier | 1  |

### Additional technical data

|                     |                                |                  |         |
|---------------------|--------------------------------|------------------|---------|
| Installation advice | Terminal rail / mounting plate | Type of mounting | Snap-on |
|---------------------|--------------------------------|------------------|---------|

### Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | Gr. PZ2             | Clamping range, max.                                                                    | 16 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Clamping screw                                                                          | M 6                 |
| Connection cross-section, stranded, max.                                                | 16 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 12 mm               | Tightening torque, max.                                                                 | 2.5 Nm              |
| Tightening torque, min.                                                                 | 2.5 Nm              | Type of connection                                                                      | Screw connection    |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 1 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |

### General

|                     |                                |           |               |
|---------------------|--------------------------------|-----------|---------------|
| Installation advice | Terminal rail / mounting plate | Standards | IEC 60947-7-1 |
|---------------------|--------------------------------|-----------|---------------|

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### Rating data

|                                              |                    |                                             |               |
|----------------------------------------------|--------------------|---------------------------------------------|---------------|
| Rated cross-section                          | 16 mm <sup>2</sup> | Rated voltage                               | 690 V         |
| Rated current                                | 114 A              | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ            | Power loss in accordance with IEC 60947-7-x | 2.43 W        |
| Pollution severity                           | 3                  | Surge voltage category                      | III           |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000001    | ETIM 7.0    | EC000001    |
| ETIM 8.0    | EC000001    | ECLASS 9.0  | 27-14-11-46 |
| ECLASS 9.1  | 27-14-11-46 | ECLASS 10.0 | 27-14-11-46 |
| ECLASS 11.0 | 27-14-11-46 | ECLASS 12.0 | 27-14-11-46 |

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Downloads

|                                             |                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Certificate</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                           |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI ZB WBBD</a>                                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                        |