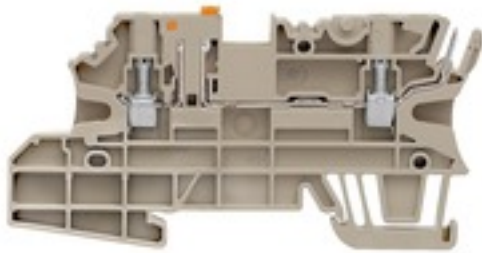


**WMF 2.5 DI BLZ****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

**General ordering data**

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| Version    | W-Series, Test-disconnect terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1143000000</a>                                                                      |
| Type       | WMF 2.5 DI BLZ                                                                                  |
| GTIN (EAN) | 4032248926213                                                                                   |
| Qty.       | 50 pc(s).                                                                                       |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 44.5 mm    | Depth (inches) | 1.752 inch |
| Depth including DIN rail | 45 mm      | Height         | 90 mm      |
| Height (inches)          | 3.543 inch | Width          | 5.08 mm    |
| Width (inches)           | 0.2 inch   | Net weight     | 11.63 g    |

## Temperatures

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

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                  |                                                                                                                         |                                     |     |
|------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|
| Version          | 2 screw connections -<br>1 plug-in connection,<br>Spacer, for plug-in cross-<br>connector, One end<br>without connector | End cover plate required            | Yes |
| Number of levels | 1                                                                                                                       | Number of clamping points per level | 3   |
| Rail             | TS 35                                                                                                                   |                                     |     |

## Additional technical data

|                   |         |                  |         |
|-------------------|---------|------------------|---------|
| Open sides        | right   | Snap-on          | No      |
| Type of fixing    | Snap-on | Type of mounting | Snap-on |
| With snap-in pegs | No      |                  |         |

## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 19 A   |
| Current size D (CSA)          | 10 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

## Conductors for clamping (additional connection)

Connection type, additional connection Plug-in connection

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm        | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.5 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>   | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 3                   | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm              | Tightening torque, min.                                                                 | 0.5 Nm              |
| Type of connection                                                                      | Screw connection    | Type of connection 2                                                                    | Plug-in connection  |
| Wire connection cross section AWG, max.                                                 | AWG 12              | Wire connection cross section AWG, min.                                                 | AWG 26              |
| 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, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

## Disconnect terminals

|                  |         |          |          |
|------------------|---------|----------|----------|
| Cross-disconnect | without | Slitting | Pivoting |
|------------------|---------|----------|----------|

## General

|                                         |        |                                         |                                             |
|-----------------------------------------|--------|-----------------------------------------|---------------------------------------------|
| Rail                                    | TS 35  | Standards                               | IEC 61984, In accordance with IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26                                      |

## Rating data

|                                 |                                             |                                              |         |
|---------------------------------|---------------------------------------------|----------------------------------------------|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup>                         | Rated voltage                                | 250 V   |
| Rated current                   | 20 A                                        | Current at maximum wires                     | 20 A    |
| Standards                       | IEC 61984, In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 8 kV                                        | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                                           | Surge voltage category                       | III     |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 19 A   |
| Current size D (cURus)                     | 10 A   | Voltage size B (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  | Wire cross section max. (cURus)            | 12 AWG |
| Wire cross section min. (cURus)            | 26 AWG |                                            |        |

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0    | EC000902    |
| ETIM 8.0    | EC000902    | ECLASS 9.0  | 27-14-11-26 |
| ECLASS 9.1  | 27-14-11-26 | ECLASS 10.0 | 27-14-11-26 |
| ECLASS 11.0 | 27-14-11-26 | ECLASS 12.0 | 27-14-11-26 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                        |
| User Documentation                          | <a href="#">Beipackzettel_WMf.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                        |
| Brochures                                   |                                                                                                                                                                                                 |

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## Drawings

