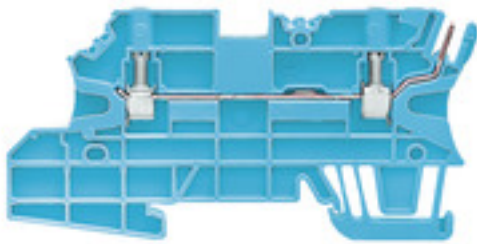


**WMF 2.5 BLZ BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Weidmüller's new WMF (Weidmüller Multi-Functional) line of terminal blocks provide a multi-functional solution for routing and distributing signals. This space-saving terminal combines all the necessary functionality into a single solution. It features an integrated shield connection and can be used with feed-through, fuse and disconnect functionality. The three cross-connection channels and wide variety of labelling options offer additional flexibility.

**General ordering data**

|            |                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------|
| Version    | W-Series, Plug-in connector, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1544810000</a>                                                                                      |
| Type       | WMF 2.5 BLZ BL                                                                                                  |
| GTIN (EAN) | 4050118353044                                                                                                   |
| 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 | Net weight     | 10.78 g    |
| Width                    | 5.08 mm    | Width (inches) | 0.2 inch   |

## Temperatures

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

## Material data

|          |       |        |      |
|----------|-------|--------|------|
| Material | Wemid | Colour | blue |
|----------|-------|--------|------|

## System specifications

|                                     |                                                                                                    |                               |     |
|-------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | 2 screw connections - 1 plug-in connection, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                                  | Number of levels              | 1   |
| Number of clamping points per level | 3                                                                                                  | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No                                                                                                 | PE connection                 | No  |
| Rail                                | TS 35                                                                                              | N-function                    | Yes |
| PE function                         | No                                                                                                 | PEN function                  | No  |

## Conductors for clamping (additional connection)

Connection type, additional connection Plug-in connection

## 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 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> |                                                                                         |                     |

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## Technical data

## 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                                      |

## PE rating data

|              |    |
|--------------|----|
| PEN function | No |
|--------------|----|

## Rating data

|                                              |         |                                 |                                             |
|----------------------------------------------|---------|---------------------------------|---------------------------------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | Rated cross-section             | 2.5 mm <sup>2</sup>                         |
| Rated voltage                                | 250 V   | Rated current                   | 24 A                                        |
| Current at maximum wires                     | 32 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                                        |
| 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)                     | 20 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 |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|                                             |                                                                                                                                                   |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a>                                                            |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                              |
| User Documentation                          | <a href="#">Beipackzettel_WMf.pdf</a><br><a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a> |

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## Drawings

