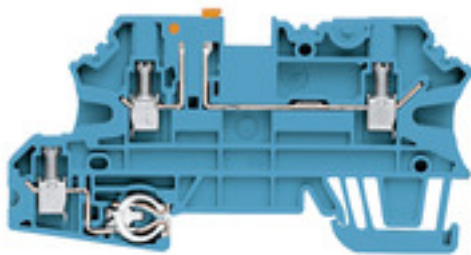


**WMF 2.5 DI PE BL****Weidmüller Interface GmbH & Co. KG**

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, Test-disconnect terminal, PE terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1270080000</a>                                                                                   |
| Type       | WMF 2.5 DI PE BL                                                                                             |
| GTIN (EAN) | 4050118097344                                                                                                |
| Qty.       | 50 pc(s).                                                                                                    |

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## Technical data

## Dimensions and weights

|                |          |                 |            |
|----------------|----------|-----------------|------------|
| Depth          | 44.5 mm  | Depth (inches)  | 1.752 inch |
| Height         | 88 mm    | Height (inches) | 3.465 inch |
| Net weight     | 13.28 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 |
| UL 94 flammability rating | V-0   |        |      |

## Rating data IECEx/ATEX

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1389U    | Certificate No. (IECEX)         | IECEXUL14.0097U     |
| Max. voltage (ATEX)            | 500 V               | Current (ATEX)                  | 20 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 500 V               |
| Current (IECEX)                | 20 A                | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex ec II C Gc       | Ex 2014/34/EU label             | II 3 G D            |

## System specifications

|                  |                                                                                                                  |                          |              |
|------------------|------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|
| Version          | Screw connection, Spacer,<br>With PE connection, for<br>plug-in cross-connector,<br>One end without<br>connector | End cover plate required |              |
| Number of levels | 2                                                                                                                | Rail                     | Yes<br>TS 35 |

## Additional technical data

|            |       |                  |         |
|------------|-------|------------------|---------|
| Open sides | right | Type of mounting | Snap-on |
|------------|-------|------------------|---------|

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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    | 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> |

## Disconnect terminals

|                  |          |                      |    |
|------------------|----------|----------------------|----|
| Cross-disconnect | without  | Integral test socket | No |
| Slitting         | Pivoting |                      |    |

## General

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Rail                                    | TS 35  | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 |                                         |        |

## 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                               | 500 V  | Rated current                                | 20 A                |
| Current at maximum wires                    | 20 A   | 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)                     | 19 A   |
| Current size C (cURus)                     | 19 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 600 V  | Voltage size C (cURus)                     | 600 V  |
| Voltage size D (cURus)                     | 600 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    |
| 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 |

## Approvals

Approvals



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

## Downloads

|                                             |                                                                                                                                                                                                                                                    |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">EAC certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                           |
| User Documentation                          | <a href="#">Beipackzettel WMF.pdf</a><br><a href="#">NTI WMF 2.5 DI.pdf</a><br><a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                            |

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## Drawings

