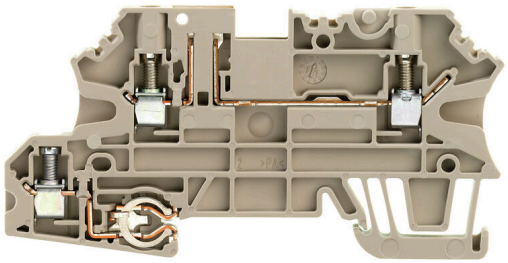
Data sheet

# WMF 2.5 DI PE STB WO.DL

**Weidmüller Interface GmbH & Co. KG**
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Germany

www.weidmueller.com



In process control systems for facilities in the process and power generation sectors, incoming signals from field devices are often connected with terminal blocks in marshalling cabinets. Terminal blocks are used despite the existence of alternative technologies such as Remote I/O and Fieldbus. This is mainly because they offer a sturdy and simple connection system, and because they are clearly arranged. Our WMF (Weidmüller Multi Funktional) line of terminal blocks provide a multi-functional solution for marshalling signals.

## General ordering data

| | |
|---|---|
| Version | Test-disconnect terminal, dark beige, 2.5 mm², 20 A, 500 V, Number of connections: 3, Number of levels: 2 |
| Order No. | 2429420000 |
| Type | WMF 2.5 DI PE STB WO.DL |
| GTIN (EAN) | 4050118438765 |
| Qty. | 50 items |
| Delivery status | Discontinued |
| Available until | 2022-12-31T00:00:00+01:00 |
| Alternative product | WMF 2.5 DI PE |

# WMF 2.5 DI PE STB WO.DL

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## Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 44.5 mm | Depth (inches) | 1.752 inch |
| Height | 88 mm | Height (inches) | 3.4646 inch |
| Width | 5.08 mm | Width (inches) | 0.2 inch |
| Net weight | 13.38 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | a4720f28-c1be-43c4-a115-55415c294bda |

### Material data

| | | | |
|---|---|---|---|
| Basic material | Wemid | Colour | dark beige |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

### System specifications

| | | | |
|---|---|---|---|
| Version | Screw connection, Spacer, With PE connection, With sockets, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| N-function | No | PE function | Yes |
| PEN function | No | | |

### Additional technical data

| | | | |
|---|---|---|---|
| Snap-on | Yes | Type of mounting | Snap-on |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Connection direction | on side | Number of connections | 3 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² |

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## Technical data

| | | | |
|---|---|---|---|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross section, finely stranded, max. | 4 mm² | Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Connection cross-section, stranded, max. | 4 mm² | Connection cross-section, stranded, min. | 1.5 mm² |
| Wire connection cross-section, solid core, max. | 4 mm² | Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | |
|---|---|
| Mounting rail | TS 35 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Nominal current | 20 A |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Surge voltage category | III | Pollution severity | 3 |

### UL rating data

| | | | |
|---|---|---|---|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | Wire cross section max. (cURus) | 12 AWG |
| Certificate No. (cURus) | E60693 | Wire cross section min. (cURus) | 26 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Current size B (cURus) | 19 A | Voltage size C (cURus) | 600 V |
| Current size C (cURus) | 19 A | Current size D (cURus) | 5 A |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

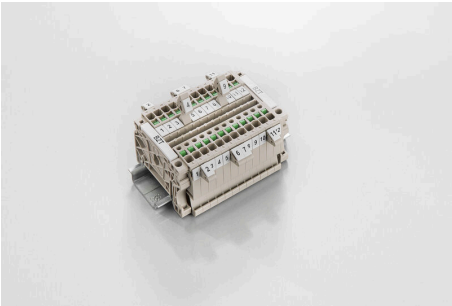
# WMF 2.5 DI PE STB WO.DL

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## Accessories

### Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

### General ordering data

| | | |
|---|---|---|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |

| | | |
|---|---|---|
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |

### Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### General ordering data

| | | |
|---|---|---|
| Type | ZQV 2.5N/10 | Version |
| Order No. | 1527690000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118447989 | 10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm |
| Qty. | 20 ST | |

| | | |
|---|---|---|
| Type | ZQV 2.5N/10 BL | Version |
| Order No. | 1527880000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 10, |
| GTIN (EAN) | 4050118448573 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm |
| Qty. | 20 ST | |

| | | |
|---|---|---|
| Type | ZQV 2.5N/10 RD | Version |
| Order No. | 2108910000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 10, |
| GTIN (EAN) | 4050118486018 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm |
| Qty. | 20 ST | |

| | | |
|---|---|---|
| Type | ZQV 2.5N/2 | Version |
| Order No. | 1527540000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448467 | 2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm |
| Qty. | 60 ST | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 2.5N/2 BL | Version |
| Order No. | 1527740000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 2, |
| GTIN (EAN) | 4050118448658 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/2 RD | Version |
| Order No. | 2108470000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 2, |
| GTIN (EAN) | 4050118448542 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/20 | Version |
| Order No. | 1527720000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118447972 | 20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/20 BL | Version |
| Order No. | 1527890000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 20, |
| GTIN (EAN) | 4050118448566 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/20 RD | Version |
| Order No. | 2108920000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 20, |
| GTIN (EAN) | 4050118485899 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/3 | Version |
| Order No. | 1527570000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448450 | 3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/3 BL | Version |
| Order No. | 1527770000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 3, |
| GTIN (EAN) | 4050118448641 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/3 RD | Version |
| Order No. | 2108690000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 3, |
| GTIN (EAN) | 4050118448535 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/4 | Version |
| Order No. | 1527590000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448443 | 4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/4 BL | Version |
| Order No. | 1527780000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 4, |
| GTIN (EAN) | 4050118448634 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/4 RD | Version |
| Order No. | 2108700000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 4, |
| GTIN (EAN) | 4050118448528 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/5 | Version |
| Order No. | 1527620000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448436 | 5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/5 BL | Version |
| Order No. | 1527790000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 5, |
| GTIN (EAN) | 4050118448627 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm |
| Qty. | 20 ST | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 2.5N/5 RD | Version |
| Order No. | 2108710000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 5, |
| GTIN (EAN) | 4050118448511 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/50 | Version |
| Order No. | 1527730000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118411362 | 50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm |
| Qty. | 5 ST | |
| Type | ZQV 2.5N/50 BL | Version |
| Order No. | 1527920000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 50, |
| GTIN (EAN) | 4050118448559 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm |
| Qty. | 5 ST | |
| Type | ZQV 2.5N/50 RD | Version |
| Order No. | 2109000000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 50, |
| GTIN (EAN) | 4050118486001 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm |
| Qty. | 5 ST | |
| Type | ZQV 2.5N/6 | Version |
| Order No. | 1527630000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448429 | 6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/6 BL | Version |
| Order No. | 1527820000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 6, |
| GTIN (EAN) | 4050118448610 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/6 RD | Version |
| Order No. | 2108720000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 6, |
| GTIN (EAN) | 4050118448504 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/7 | Version |
| Order No. | 1527640000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448412 | 7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/7 BL | Version |
| Order No. | 1527830000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 7, |
| GTIN (EAN) | 4050118448603 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/7 RD | Version |
| Order No. | 2108810000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 7, |
| GTIN (EAN) | 4050118448498 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/8 | Version |
| Order No. | 1527670000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118448405 | 8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/8 BL | Version |
| Order No. | 1527840000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 8, |
| GTIN (EAN) | 4050118448597 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/8 RD | Version |
| Order No. | 2108870000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 8, |
| GTIN (EAN) | 4050118448481 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm |
| Qty. | 20 ST | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 2.5N/9 | Version |
| Order No. | 1527680000 | Cross-connector (terminal), Plugged, orange, 24 A, Number of poles: |
| GTIN (EAN) | 4050118447996 | 9, Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/9 BL | Version |
| Order No. | 1527870000 | Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 9, |
| GTIN (EAN) | 4050118448580 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/9 RD | Version |
| Order No. | 2108900000 | Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 9, |
| GTIN (EAN) | 4050118448474 | Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm |
| Qty. | 20 ST | |