

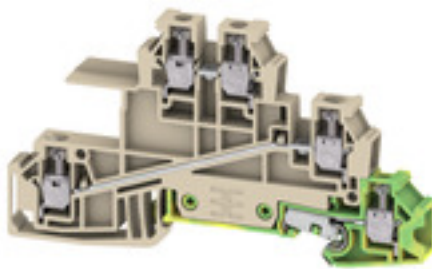
**WDL 2.5/S/L/L/PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Multi level installation terminal block, Screw connection, dark beige, 2.5 mm², 24 A, 400 V, Number of connections: 5, Number of levels: 3 |
| Order No.  | <a href="#">1031100000</a>                                                                                                                 |
| Type       | WDL 2.5/S/L/L/PE                                                                                                                           |
| GTIN (EAN) | 4008190042202                                                                                                                              |
| Qty.       | 50 pc(s).                                                                                                                                  |

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## Technical data

## Dimensions and weights

|                          |            |                |           |
|--------------------------|------------|----------------|-----------|
| Depth                    | 48 mm      | Depth (inches) | 1.89 inch |
| Depth including DIN rail | 49 mm      | Height         | 84.5 mm   |
| Height (inches)          | 3.327 inch | Width          | 6.1 mm    |
| Width (inches)           | 0.24 inch  | Net weight     | 15.055 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        |

## Material data

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

## System specifications

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

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.                                         | 1.5 mm <sup>2</sup> | Cross-section for connected wire, solid, two clampable wires, min.                                         | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1.5 mm <sup>2</sup> |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No    | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

## CSA rating data

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-296 | Current size B (CSA)          | 10 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 (rated connection)

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

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|                                                      |                                        |                              |                       |                  |  |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|------------------|--|
| Clampable conductor                                  | Connection specification               |                              | Screw connection      |                  |  |
|                                                      | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |                  |  |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 2.5 mm <sup>2</sup>   |                  |  |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 8 mm             |  |
|                                                      |                                        |                              | max.                  | 8 mm             |  |
|                                                      |                                        |                              | nominal               | 8 mm             |  |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm           |  |
|                                                      |                                        |                              | max.                  | 0.6 Nm           |  |
|                                                      |                                        | Recommended wire-end ferrule |                       |                  |  |
|                                                      |                                        | Connection specification     |                       | Screw connection |  |
|                                                      | Cross-section for conductor connection | Type                         | stranded, H07V-R      |                  |  |
|                                                      |                                        | min.                         | 1.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 2.5 mm <sup>2</sup>   |                  |  |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 8 mm             |  |
|                                                      |                                        |                              | max.                  | 8 mm             |  |
|                                                      |                                        |                              | nominal               | 8 mm             |  |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm           |  |
|                                                      |                                        |                              | max.                  | 0.6 Nm           |  |
|                                                      |                                        | Recommended wire-end ferrule |                       |                  |  |
|                                                      |                                        | Connection specification     |                       | Screw connection |  |
|                                                      | Cross-section for conductor connection | Type                         | flexible, H05(07) V-K |                  |  |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 2.5 mm <sup>2</sup>   |                  |  |
| wire end ferrule                                     | Stripping length                       | min.                         | 8 mm                  |                  |  |
|                                                      |                                        | max.                         | 8 mm                  |                  |  |
|                                                      |                                        | nominal                      | 8 mm                  |                  |  |
|                                                      | Tightening torque                      | min.                         | 0.4 Nm                |                  |  |
|                                                      |                                        | max.                         | 0.6 Nm                |                  |  |
|                                                      | Recommended wire-end ferrule           |                              |                       |                  |  |
|                                                      | Clamping range, max.                   |                              | 4 mm <sup>2</sup>     |                  |  |
| Clamping range, min.                                 |                                        | 0.13 mm <sup>2</sup>         |                       |                  |  |
| Clamping screw                                       |                                        | M 2.5                        |                       |                  |  |
| 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                                |                                        | 5                            |                       |                  |  |
| Stripping length                                     |                                        | 8 mm                         |                       |                  |  |
| Tightening torque, max.                              |                                        | 0.6 Nm                       |                       |                  |  |
| Tightening torque, min.                              |                                        | 0.4 Nm                       |                       |                  |  |
| Torque level with DMS electric screw-driver          |                                        | 1                            |                       |                  |  |
| 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, min. |                                        | 0.5 mm <sup>2</sup>          |                       |                  |  |

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|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 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. | 0.25 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>  |

## General

|                                         |        |                                         |                      |
|-----------------------------------------|--------|-----------------------------------------|----------------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 (-7-2) |
| 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                   | 400 V                |
| Rated DC voltage                             | 400 V               | Rated current                   | 24 A                 |
| Current at maximum wires                     | 32 A                | Standards                       | IEC 60947-7-1 (-7-2) |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 4 kV                 |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Rated voltage (L / L)           | 400 V                |
| Rated voltage (L / N)                        | 250 V               | Rated voltage (L / PE)          | 250 V                |
| Pollution severity                           | 3                   | Surge voltage category          | III                  |

## UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size C (UR)                     | 15 A   |
| Voltage size C (UR)                     | 300 V  |                                         |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001329    | ETIM 7.0    | EC001329    |
| ETIM 8.0    | EC001329    | ETIM 9.0    | EC001329    |
| ETIM 10.0   | EC001329    | ECLASS 9.0  | 27-14-11-25 |
| ECLASS 9.1  | 27-14-11-25 | ECLASS 10.0 | 27-14-11-25 |
| ECLASS 11.0 | 27-14-11-25 | ECLASS 12.0 | 27-14-11-25 |
| ECLASS 13.0 | 27-25-01-10 | ECLASS 14.0 | 27-25-01-10 |
| ECLASS 15.0 | 27-25-01-10 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

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## Approvals

Approvals



|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID       | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319214/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319214/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319250/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319250/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                  | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (UR)  | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Downloads

|                                             |                                                                                                                                                                                                     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">NEMKO certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                     |
| User Documentation                          | <a href="#">Beipackzettel_WDL.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                            |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                            |
| Brochures                                   |                                                                                                                                                                                                     |

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## Drawings

