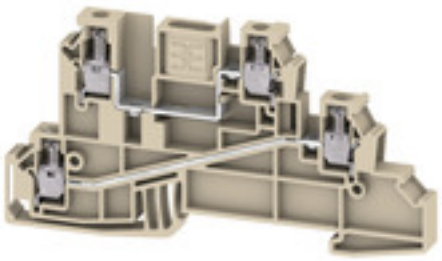
# WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image



## General ordering data

| | |
|---|---|
| Version | Multi level installation terminal block, Screw connection, dark beige, 2.5 mm², 24 A, 400 V, Number of connections: 4, Number of levels: 2 |
| Order No. | 1030300000 |
| Type | WDL 2.5/L/L |
| GTIN (EAN) | 4008190033347 |
| Qty. | 50 pc(s). |

# WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 48 mm | Depth (inches) | 1.89 inch |
| Depth including DIN rail | 49 mm | Height | 90 mm |
| Height (inches) | 3.543 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 15.037 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 and L connection, for screwable cross-connection, One end without connector | End cover plate required | Yes |
| Number of potentials | 2 | Number of levels | 2 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | 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 mm² | Cross-section for connected wire, solid, two clampable wires, min. | 0.5 mm² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 mm² |

### 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 |

Weidmüller

# WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

| | | | | |
|---|---|---|---|---|
| Clampable conductor | Connection specification | Screw connection | | |
| | Cross-section for conductor connection | Type | solid, H05(07) V-U | |
| | | min. | 0.5 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 2.5 mm² | |
| | 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 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 2.5 mm² | |
| | 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 mm² | |
| | | max. | 4 mm² | |
| | | nominal | 2.5 mm² | |
| | 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 mm² |
| Clamping range, min. | 0.13 mm² |
| Clamping screw | M 2.5 |
| Connection cross-section, stranded, max. | 4 mm² |
| Connection cross-section, stranded, min. | 1.5 mm² |
| Connection direction | on side |
| Gauge to IEC 60947-1 | A3, A4 |
| Number of connections | 4 |
| 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 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² |

# WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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

### General

| | | | |
|---|---|---|---|
| Rail | TS 35 | Standards | 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 mm² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Rated current | 24 A |
| Current at maximum wires | 32 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 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% |

# WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### Approvals

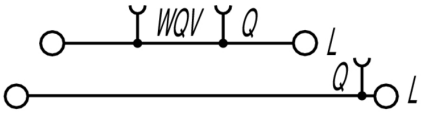
| | |
|---|---|
| Approvals | |
| Approvals MAMID | https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319250/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S8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

### Downloads

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

## WDL 2.5/L/L

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Drawings