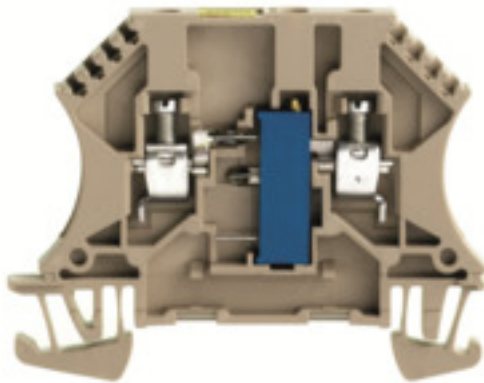


**WDUL 4/50K****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                                         |
|------------|-----------------------------------------------------------------------------------------|
| Version    | W-Series, Component terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1027800000</a>                                                              |
| Type       | WDUL 4/50K                                                                              |
| GTIN (EAN) | 4008 190047634                                                                          |
| Qty.       | 10 pc(s).                                                                               |

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## Technical data

## Dimensions and weights

|                          |          |                |          |
|--------------------------|----------|----------------|----------|
| Depth                    | 46.5 mm  | Depth (inches) | 1.831 °C |
| Depth including DIN rail | 47 mm    | Height         | 60 mm    |
| Height (inches)          | 2.362 °C | Width          | 6.5 mm   |
| Width (inches)           | 0.256 °C | Net weight     | 12.7 g   |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Material data

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

## System specifications

|                                     |                                                                                             |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection,<br>Compensating terminals,<br>With resistor, One end<br>without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                           | Number of levels              | 1   |
| 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)

|                                                                                                                  |        |                                                                                                                  |        |
|------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------|--------|
| Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, 2 clampable wires, max. | 1.5 Nm | Wire connection cross section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, 2 clampable wires, min. | 0.5 Nm |
| Wire connection cross section, finely<br>stranded, two clampable wires, min.                                     | 0.5 Nm | Wire cross-section, finely stranded, two<br>clampable wires, max.                                                | 1.5 Nm |

## Additional technical data

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

## Component

|                         |                    |                            |
|-------------------------|--------------------|----------------------------|
| Component potentiometer | Type potentiometer | Trim potentiometer, linear |
|                         | Resistance         | 50 GBit                    |
|                         | Tolerance (%)      | 10 %                       |

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                  |                                                                                         |          |
|-----------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------|----------|
| Blade size                                                                              | 0.6 x 3.5 mm     | Clamping range, max.                                                                    | 6 Nm     |
| Clamping range, min.                                                                    | 0.13 Nm          | Clamping screw                                                                          | M 3      |
| Connection cross-section, finely stranded, max.                                         | 4 Nm             | Connection cross-section, finely stranded, min.                                         | 0.5 Nm   |
| Connection cross-section, stranded, max.                                                | 6 Nm             | Connection cross-section, stranded, min.                                                | 1.5 Nm   |
| Connection direction                                                                    | on side          | Gauge to IEC 60947-1                                                                    | A4       |
| Number of connections                                                                   | 2                | Stripping length                                                                        | 9 mm     |
| Tightening torque, max.                                                                 | 0.8 inch         | Tightening torque, min.                                                                 | 0.6 inch |
| Type of connection                                                                      | Screw connection | Wire connection cross section AWG, max.                                                 | AWG 12   |
| Wire connection cross section AWG, min.                                                 | AWG 22           | Wire connection cross section, finely stranded, max.                                    | 4 Nm     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 Nm           | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 Nm   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 Nm           | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 Nm   |
| Wire connection cross-section, solid core, max.                                         | 6 Nm             | Wire connection cross-section, solid core, min.                                         | 0.5 Nm   |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 32 mm |
|--------------|-------|

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 22        |

## Rating data

|                                              |      |                                             |               |
|----------------------------------------------|------|---------------------------------------------|---------------|
| Rated cross-section                          | 4 Nm | Rated current                               | 120 mA        |
| Current at maximum wires                     | 6 A  | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 °C | Power loss in accordance with IEC 60947-7-x | 1.02 W        |
| Pollution severity                           | 3    | Surge voltage category                      | III           |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000903    | ETIM 7.0    | EC000903    |
| ETIM 8.0    | EC000903    | ECLASS 9.0  | 27-14-11-27 |
| ECLASS 9.1  | 27-14-11-47 | ECLASS 10.0 | 27-14-11-27 |
| ECLASS 11.0 | 27-14-11-27 |             |             |

## Important note

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Product information | The allowed continuous operating temperature must be observed |
|---------------------|---------------------------------------------------------------|

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

|                                             |                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity all terminals</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                            |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                |
| Brochures                                   |                                                                                                                                         |

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## Drawings

