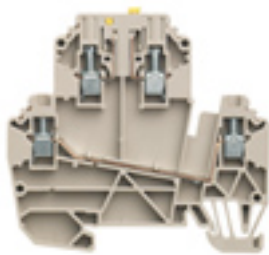


**W-Series  
WDK 2.5/TR-DU**

**Weidmüller Interface GmbH & Co. KG**  
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The new space-saving WDK 2.5 DU PE TR series enables you to wire up signal circuits using only one terminal block. The signal can be fed through the upper level of the terminal block so that the lower connection level still has room for the neutral conductor. The accompanying shield connection can save space by connecting to the integrated PE connection. This means that additional PE terminal blocks or other connection mechanisms in the electrical cabinet are no longer required. Depending on the type of signal and requirement, the upper connection level can be fitted with a disconnect lever or pluggable SIHA safety lever. The WDK 2.5 DU PE TR – with a width of only 5.1 mm – currently offers the highest wiring density of all screw terminal blocks for signal routing, and it does this without compromising on versatility or functionality.

**General ordering data**

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| Type       | WDK 2.5/TR-DU                                                                                   |
| Order No.  | <a href="#">1247290000</a>                                                                      |
| Version    | W-Series, Test-disconnect terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| GTIN (EAN) | 4050118038323                                                                                   |
| Qty.       | 50 pc(s).                                                                                       |

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## Technische Daten

### Dimensions and weights

|            |         |                          |        |
|------------|---------|--------------------------|--------|
| Length     | 80.5 mm | Width                    | 5.1 mm |
| Height     | 66 mm   | Height of lowest version | 67 mm  |
| Net weight | 15.18 g |                          |        |

### Temperatures

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

### Additional technical data

|                          |         |            |                                                                             |
|--------------------------|---------|------------|-----------------------------------------------------------------------------|
| Explosion-tested version | No      | Open sides | right                                                                       |
| Type of mounting         |         | Version    | Screw connection,<br>Disconnection element,<br>One end without<br>connector |
|                          | Snap-on |            |                                                                             |

### CSA ratings data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Voltage size C (CSA)          | 300 V  |
| Current size C (CSA)          | 20 A           | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

### Clampable wires (rated connection)

|                                                                                                                                       |                     |                                                                                                                               |                     |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Type of connection                                                                                                                    | Screw connection    | Blade size                                                                                                                    | 0.6 x 3.5 mm        |
| Connection direction                                                                                                                  | on side             | Number of connections                                                                                                         | 4                   |
| Clamping range, rated connection, min.                                                                                                | 0.5 mm <sup>2</sup> | Clamping range, rated connection, max.                                                                                        | 4 mm <sup>2</sup>   |
| Clamping screw                                                                                                                        | M 3                 | Tightening torque, min.                                                                                                       | 0.5 Nm              |
| Tightening torque, max.                                                                                                               | 0.6 Nm              | Gauge to IEC 60947-1                                                                                                          | A2                  |
| Wire connection cross section, solid core, max. rated connection                                                                      | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 4 mm <sup>2</sup>   |
| Wire connection cross section, stranded, rated connection, min.                                                                       | 1.5 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, max.                                                               | 4 mm <sup>2</sup>   |
| 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> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 2.5 mm <sup>2</sup> |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm <sup>2</sup> |

### Disconnect terminals

|                         |        |                         |        |
|-------------------------|--------|-------------------------|--------|
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.5 Nm |
|-------------------------|--------|-------------------------|--------|

### Rated data

|                                 |                     |               |       |
|---------------------------------|---------------------|---------------|-------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage | 690 V |
| Rated impulse withstand voltage | 8 kV                | Rated current | 24 A  |
| Pollution severity              | 3                   |               |       |

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**Technische Daten****UL ratings data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 300 V  |
| Current size C (UR)                     | 20 A   | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                   |          |                                  |                  |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family                    | W-Series | Type of connection               | Screw connection |
| Connection direction              | on side  | Number of levels                 | 2                |
| Number of connections             | 4        | No. of clamping points per level | 2                |
| Levels cross-connected internally | No       | Mounting rail                    | TS 35            |
| End cover plate required          | Yes      |                                  |                  |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
|------------|-------------|------------|-------------|

**Approvals**

Approvals

