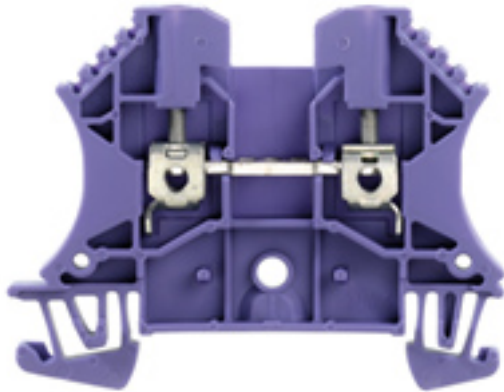


**W-Series  
WDU 2.5 PA/VI**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)



The versatile and extensive range of products - from 0.05 mm<sup>2</sup> to 300 mm<sup>2</sup> - means that you have diverse options for your applications at your disposal.  
Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

**General ordering data**

|            |                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------|
| Type       | WDU 2.5 PA/VI                                                                                                 |
| Order No.  | <a href="#">1037700000</a>                                                                                    |
| Version    | W-Series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection, Direct mounting |
| GTIN (EAN) | 4008190455163                                                                                                 |
| Qty.       | 100 pc(s).                                                                                                    |

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**Technical data**
**Dimensions and weights**

|        |         |                          |        |
|--------|---------|--------------------------|--------|
| Length | 60 mm   | Width                    | 5.1 mm |
| Height | 46.5 mm | Height of lowest version | 47 mm  |
| Weight | 8.62 g  | Net weight               | 7.51 g |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature            |        | Storage temperature              |        |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |

**Rated data IECEx/ATEX**

|                                |                                                                                                   |                           |                          |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------|--------------------------|
| Certificate No. (ATEX)         | KEMA98ATEX1683U                                                                                   | ATEX certificate          | KEMA98ATEX1683U_d.pdf    |
| ATEX certificate               | KEMA98ATEX1683U_e.pdf                                                                             | IEC Ex certificate        | IECEXULD05.0008U_e.pdf   |
| Max. voltage (ATEX)            | 690 V                                                                                             | Current (ATEX)            | 21 A                     |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup>                                                                               | Voltage, cross-connection | CrossConnectionGuide.pdf |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7        |                          |
| Marking ATEX Directive 94/9/EC | II 2 G D                                                                                          |                           | Ex e II                  |

**Additional technical data**

|                             |         |                     |                                                                                                          |
|-----------------------------|---------|---------------------|----------------------------------------------------------------------------------------------------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting                                                                                          |
| Number of similar terminals | 1       | Open sides          | right                                                                                                    |
| Type of mounting            |         | Version             | Screw connection, for plug-in cross-connector, for screwable cross-connection, One end without connector |
|                             | Snap-on |                     |                                                                                                          |

**CSA ratings data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Voltage size C (CSA)          | 600 V  |
| Current size C (CSA)          | 20 A           | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Clampable wires (additional connection)**

|                                                                                             |                     |                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|---------------------|

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**Technical data**
**Clampable wires (rated connection)**

|                                                                                                                                       |                     |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Screw connection    | Connection direction                                                                                                          | on side              |
| Number of connections                                                                                                                 | 2                   | Clamping range, rated connection, min.                                                                                        | 0.05 mm <sup>2</sup> |
| Clamping screw                                                                                                                        | M 2.5               | Torque level with DMS electric screwdriver                                                                                    | 1                    |
| 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>  |
| Twin wire-end ferrules, min.                                                                                                          | 0.5 mm <sup>2</sup> | Twin wire-end ferrules, max.                                                                                                  | 1.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, min.                                                                                               | AWG 30              | Wire connection cross section AWG, max.                                                                                       | AWG 12               |

**Rated data**

|                     |                     |               |       |
|---------------------|---------------------|---------------|-------|
| Rated cross-section | 2.5 mm <sup>2</sup> | Rated voltage | 800 V |
| Rated current       | 24 A                |               |       |

**UL ratings data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Voltage size C (UR)                     | 600 V  |
| Current size C (UR)                     | 25 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                  | PA 66 | Colour | Violet |
| UL 94 flammability rating | V-2   |        |        |

**System specifications**

|                                   |          |                                  |                  |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family                    | W-Series | Type of connection               | Screw connection |
| Connection direction              | on side  | Number of levels                 | 1                |
| Number of connections             | 2        | No. of clamping points per level | 2                |
| Levels cross-connected internally | No       | Mounting rail                    | TS 35            |
| End cover plate required          | Yes      |                                  |                  |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | UNSPSC     | 30-21-18-11 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

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## Technical data

### Approvals

Approvals



ROHS

Conform

**Data sheet****W-Series  
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**Drawings**