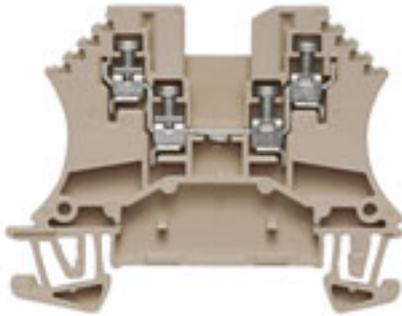


**W-Series**  
**WDU 1.5/ZZ**

**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 1.5/ZZ                                                                                                    |
| Order No.  | <a href="#">1031400000</a>                                                                                    |
| Version    | W-Series, Feed-through terminal, Rated cross-section: 1.5 mm <sup>2</sup> , Screw connection, Direct mounting |
| GTIN (EAN) | 4008190148546                                                                                                 |
| 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 | 8.6 g   | Net weight               | 8.09 g |

**Temperatures**

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

**Rated data IECEx/ATEX**

|                                |                                                                                                   |                           |                          |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------|--------------------------|
| Certificate No. (ATEX)         | KEMA98ATEX1685U                                                                                   | ATEX certificate          | KEMA98ATEX1685U_d.pdf    |
| ATEX certificate               | KEMA98ATEX1685U_e.pdf                                                                             | IEC Ex certificate        | IECEXULD05.0008U_e.pdf   |
| Max. voltage (ATEX)            | 550 V                                                                                             | Current (ATEX)            | 15 A                     |
| Wire cross section max. (ATEX) | 1.5 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                  |

**2 clampable wires (H05V/H07V) same cross-section (rated connection)**

|                                                                                                            |                     |                                                                                                            |                      |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|----------------------|
| 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 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 with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 0.75 mm <sup>2</sup> |

**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, Twin connection, for plug-in cross-connector, One end without connector |
|                             | Snap-on |                     |                                                                                           |

**CSA ratings data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Voltage size C (CSA)          | 300 V  |
| Current size C (CSA)          | 10 A           | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Clampable wires (additional connection)**

|                                                                                             |                     |                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------|---------------------|
| Rated cross-section, further connection                                                     | 1.5 mm <sup>2</sup> | Connection direction                                                                        | on side             |
| Number of connections, additional connection                                                |                     | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm <sup>2</sup> |
|                                                                                             | 2                   |                                                                                             |                     |
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm <sup>2</sup> |                                                                                             |                     |

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

|                                                                                                                                       |                     |                                                                                                                               |                      |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Type of connection                                                                                                                    | Screw connection    | Stripping length                                                                                                              | 7 mm                 |
| Blade size                                                                                                                            | 0.6 x 3.5 mm        | Connection direction                                                                                                          | on side              |
| Number of connections                                                                                                                 | 4                   | Clamping range, rated connection, min.                                                                                        | 0.13 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 2.5 mm <sup>2</sup> | Clamping screw                                                                                                                | M 2.5                |
| Tightening torque, min.                                                                                                               | 0.4 Nm              | Tightening torque, max.                                                                                                       | 0.6 Nm               |
| Torque level with DMS electric screwdriver                                                                                            | 1                   | Gauge to IEC 60947-1                                                                                                          | A1                   |
| Wire connection cross section, solid core, max. rated connection                                                                      | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 2.5 mm <sup>2</sup>  |
| Wire connection cross section, stranded, rated connection, min.                                                                       | 0.5 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, max.                                                               | 2.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, max.                                                                                  | 1.5 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.                     | 1.5 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. | 1.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, min.                                                                                               | AWG 26              | Wire connection cross section AWG, max.                                                                                       | AWG 14               |

**Other connections**

|                                              |   |
|----------------------------------------------|---|
| Number of connections, additional connection | 2 |
|----------------------------------------------|---|

**Rated data**

|                                 |                     |               |               |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section             | 1.5 mm <sup>2</sup> | Rated voltage | 800 V         |
| Rated impulse withstand voltage | 8 kV                | Rated current | 17.5 A        |
| Current at maximum wires        | 23 A                | Standards     | IEC 60947-7-1 |
| Pollution severity              | 3                   |               |               |

**UL ratings data**

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693VOL1SEC38 | Voltage size C (UR)                     | 300 V  |
| Current size C (UR)                     | 25 A            | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG          | Conductor size Field wiring max. (UR)   | 12 AWG |

**Material data**

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | 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                 | 1                |
| Number of connections             | 4        | No. of clamping points per level | 4                |
| Levels cross-connected internally | No       | Mounting rail                    | TS 35            |
| End cover plate required          | Yes      |                                  |                  |

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**Technical data**
**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC000897    | ETIM 3.0   | EC000897    |
| UNSPSC     | 30-21-18-11 | eClass 4.1 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 |            |             |

**Product information**

|                                 |                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------|
| Descriptive text technical data | Note the max. current of the terminal (23 A) when using the WQV cross-connector! |
| Descriptive text accessories    | Socket and test plug, see section "W-series Accessories".                        |

**Approvals**

Approvals



ROHS

Conform

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**Drawings**

