

**W-Series**  
**WDU 70/95 HG**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Product image****Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

**General ordering data**

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Type       | WDU 70/95 HG                                                                |
| Order No.  | <a href="#">1024650000</a>                                                  |
| Version    | Feed-through terminal, Screw connection, 95 mm², 1000 V, 232 A, Light green |
| GTIN (EAN) | 4008190169619                                                               |
| Qty.       | 10 pc(s).                                                                   |

**W-Series**  
**WDU 70/95 HG**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                          |          |                 |            |
|--------------------------|----------|-----------------|------------|
| Width                    | 27 mm    | Width (inches)  | 1.063 inch |
| Height                   | 132 mm   | Height (inches) | 5.197 inch |
| Depth                    | 107 mm   | Depth (inches)  | 4.213 inch |
| Depth including DIN rail | 115.5 mm | Weight          | 340 g      |
| Net weight               | 351 g    |                 |            |

**Temperatures**

|                                  |                                                                                                   |                                  |               |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|---------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 40 °C         |
| Storage temperature, min.        | 10 °C                                                                                             | Storage temperature              | 10 °C...40 °C |
| Continuous operating temp., min. | -60 °C                                                                                            | Continuous operating temp., max. | 130 °C        |

**Material data**

|                           |       |        |             |
|---------------------------|-------|--------|-------------|
| Material                  | Wemid | Colour | Light green |
| UL 94 flammability rating | V-0   |        |             |

**Rating data IECEx/ATEX**

|                                |                                                                                                   |                                 |                    |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|--------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U                                                                                  | Certificate No. (IECEX)         | IECEXULD14.0005U   |
| Max. voltage (ATEX)            | 1100 V                                                                                            | Current (ATEX)                  | 218 A              |
| Wire cross section max. (ATEX) | 95 mm <sup>2</sup>                                                                                | Max. voltage (IECEX)            | 1100 V             |
| Current (IECEX)                | 218 A                                                                                             | Wire cross section max. (IECEX) | 95 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              | Ex eb II C Gb      |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                    |

**System specifications**

|                                     |                                                                   |                               |    |
|-------------------------------------|-------------------------------------------------------------------|-------------------------------|----|
| Version                             | Screw connection, for screwable cross-connection, in closed state | End cover plate required      | No |
| 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)**

|                                                                                                            |                    |                                                                                                            |                    |
|------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------|--------------------|
| Cross-section for connected wire, stranded, two clampable wires, min.                                      | 16 mm <sup>2</sup> | Cross-section for connected wire, stranded, two clampable wires, max.                                      | 35 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 16 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 35 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 16 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 35 mm <sup>2</sup> |

**W-Series**  
**WDU 70/95 HG**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**
**Additional technical data**

|                             |         |                     |                 |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version    | Yes     | Installation advice | Direct mounting |
| Number of similar terminals | 1       | Open sides          | closed          |
| Type of mounting            | Snap-on |                     |                 |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-242 | Current size B (CSA)          | 205 A  |
| Current size C (CSA)          | 205 A     | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 600 V     | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V     | Wire cross section max. (CSA) | 00 AWG |
| Wire cross section min. (CSA) | 6 AWG     |                               |        |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | S6 (DIN 6911)        | Clamping range, max.                                                                    | 120 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 13.3 mm <sup>2</sup> | Clamping screw                                                                          | M 8                 |
| Connection cross-section, stranded, max.                                                | 120 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 16 mm <sup>2</sup>  |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | B12                 |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 30 mm               |
| Tightening torque, max.                                                                 | 12 Nm                | Tightening torque, min.                                                                 | 6 Nm                |
| Type of connection                                                                      | Screw connection     | Wire connection cross section AWG, max.                                                 | AWG 2/0             |
| Wire connection cross section AWG, min.                                                 | AWG 6                | Wire connection cross section, finely stranded, max.                                    | 95 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 95 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 50 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded, min.                                    | 16 mm <sup>2</sup>   | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.                                         | 16 mm <sup>2</sup>   |                                                                                         |                     |

**Rating data**

|                                             |                    |                                              |         |
|---------------------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section                         | 95 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                               | 232 A              | Current at maximum wires                     | 232 A   |
| Standards                                   | IEC 60947-7-1      | Volume resistance according to IEC 60947-7-x | 0.14 mΩ |
| Power loss in accordance with IEC 60947-7-x | 7.42 W             | Rated impulse withstand voltage              | 8 kV    |
| Pollution severity                          | 3                  |                                              |         |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 00 AWG |
| Conductor size Factory wiring min. (UR) | 6 AWG  | Conductor size Field wiring max. (UR)   | 00 AWG |
| Conductor size Field wiring min. (UR)   | 6 AWG  | Current size C (UR)                     | 175 A  |
| Voltage size C (UR)                     | 1000 V |                                         |        |

**W-Series**  
**WDU 70/95 HG**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**
**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0   | EC000897    |
| eClass 9.0  | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC     | 30-21-18-11 |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                                             |                                                                                                                                                                                                |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">IECEX Certificate</a><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">DE_PT1001_20160414_235_ISSUE01.pdf</a><br><a href="#">ATEX Certificate</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                       |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                           |
| User Documentation                          | <a href="#">Beipackzettel_WDU70-95_120-150.pdf</a><br><a href="#">NTI WDU/ WPE 70/95</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                    |

**Safety note**

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

**Data sheet****W-Series  
WDU 70/95 HG**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**