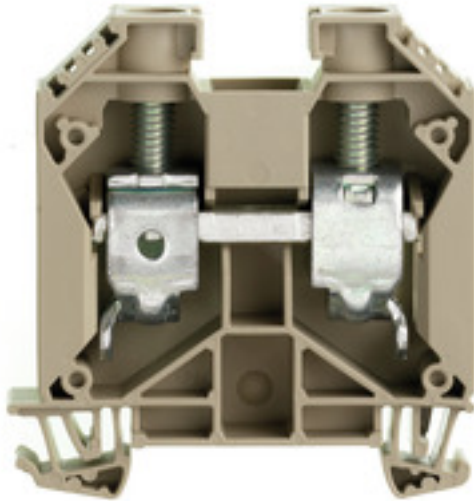


**W-Series**  
**WDU 35**

**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****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**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| Type       | WDU 35                                                                     |
| Order No.  | <a href="#">1020500000</a>                                                 |
| Version    | Feed-through terminal, Screw connection, 35 mm², 1000 V, 125 A, dark beige |
| GTIN (EAN) | 4008190077013                                                              |
| Qty.       | 40 pc(s).                                                                  |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 16 mm   | Width (inches)  | 0.63 inch  |
| Height                   | 60 mm   | Height (inches) | 2.362 inch |
| Depth                    | 62.5 mm | Depth (inches)  | 2.461 inch |
| Depth including DIN rail | 63 mm   | Weight          | 54 g       |
| Net weight               | 51.38 g |                 |            |

**Temperatures**

|                                  |                                                                                                   |                                  |                |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|----------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 55 °C          |
| Storage temperature, min.        | -25 °C                                                                                            | Storage temperature              | -25 °C...55 °C |
| Continuous operating temp., min. | -60 °C                                                                                            | Continuous operating temp., max. | 130 °C         |

**Material data**

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

**Rating data IECEx/ATEX**

|                                |                                                                                                   |                                 |                    |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|--------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1338U                                                                                  | Certificate No. (IECEx)         | IECExULD14.0005U   |
| Max. voltage (ATEX)            | 690 V                                                                                             | Current (ATEX)                  | 115 A              |
| Wire cross section max. (ATEX) | 35 mm <sup>2</sup>                                                                                | Max. voltage (IECEx)            | 690 V              |
| Current (IECEx)                | 115 A                                                                                             | Wire cross section max. (IECEx) | 35 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, One end 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                  | Yes |

**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.                                      | 16 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 2.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 16 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 16 mm <sup>2</sup> |

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

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

**CSA rating data**

|                       |                |                               |        |
|-----------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1057876 | Current size C (CSA)          | 150 A  |
| Voltage size C (CSA)  | 600 V          | Wire cross section min. (CSA) | 12 AWG |

**Conductors for clamping (rated connection)**

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 6.5 x 1.2 mm        | Clamping range, max.                                                                    | 50 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 2.5 mm <sup>2</sup> | Clamping screw                                                                          | M 6                 |
| Connection cross-section, stranded, max.                                                | 50 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 2.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B8                  |
| Number of connections                                                                   | 2                   | Stripping length                                                                        | 18 mm               |
| Tightening torque, max.                                                                 | 5 Nm                | Tightening torque, min.                                                                 | 4 Nm                |
| Twin wire-end ferrules, max.                                                            | 16 mm <sup>2</sup>  | Twin wire-end ferrules, min.                                                            | 1.5 mm <sup>2</sup> |
| Type of connection                                                                      | Screw connection    | Wire connection cross section AWG, max.                                                 | AWG 2               |
| Wire connection cross section AWG, min.                                                 | AWG 12              | Wire connection cross section, finely stranded, max.                                    | 35 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 35 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 35 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded, min.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.                                         | 2.5 mm <sup>2</sup> |                                                                                         |                     |

**Rating data**

|                                             |                    |                                              |         |
|---------------------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section                         | 35 mm <sup>2</sup> | Rated voltage                                | 1,000 V |
| Rated current                               | 125 A              | Current at maximum wires                     | 150 A   |
| Standards                                   | IEC 60947-7-1      | Volume resistance according to IEC 60947-7-x | 0.26 mΩ |
| Power loss in accordance with IEC 60947-7-x | 4 W                | Rated impulse withstand voltage              | 8 kV    |
| Pollution severity                          | 3                  | Surge voltage category                       | III     |

**Strap connection**

|                                |            |                                |            |
|--------------------------------|------------|--------------------------------|------------|
| Band 1, Number of layers, min. | 3: 9 x 0.8 | Band 1, number of layers, max. | 9: 9 x 0.8 |
|--------------------------------|------------|--------------------------------|------------|

**UL rating data**

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 0 AWG |
| Conductor size Factory wiring min. (UR) | 12 AWG | Conductor size Field wiring max. (UR)   | 0 AWG |
| Conductor size Field wiring min. (UR)   | 12 AWG | Current size C (UR)                     | 150 A |
| Voltage size C (UR)                     | 1000 V |                                         |       |

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**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

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[IECEX Certificate](#)  
[CB Testreport](#)  
[CB Certificate](#)  
[EAC certificate](#)  
[DNVGL certificate](#)  
[NEMKO certificate](#)  
[INMETRO certificate](#)  
[Lloyds Register Certificate](#)  
[MARITREG Certificate](#)  
[POLSKIREJ certificate](#)  
[DE\\_PT1001\\_20160414\\_179\\_ISSUE01.pdf](#)  
[ATEX Certificate](#)  
[Declaration of Conformity Terminals](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Engineering Data

[STEP](#)

User Documentation

[NTI WDU/WPE 35.pdf](#)  
[StorageConditionsTerminalBlocks](#)

**Safety note**

Safety notice

[Safety Information](#)

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## Drawings

