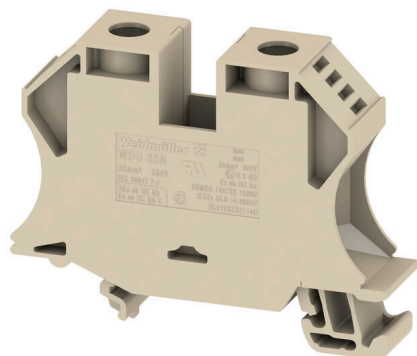


**WDU 35N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

**General ordering data**

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| Version    | Feed-through terminal block, Screw connection, dark beige, 35 mm <sup>2</sup> , 125 A, 500 V, Number of connections: 2 |
| Order No.  | <a href="#">1040400000</a>                                                                                             |
| Type       | WDU 35N                                                                                                                |
| GTIN (EAN) | 4008190351816                                                                                                          |
| Qty.       | 20 items                                                                                                               |

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## Technical data

## Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

## Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 50.5 mm     | Depth (inches) | 1.9882 inch |
| Depth including DIN rail | 51 mm       | Height         | 66 mm       |
| Height (inches)          | 2.5984 inch | Width          | 16 mm       |
| Width (inches)           | 0.6299 inch | Net weight     | 48.1 g      |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C         |

## Environmental Product Compliance

|                          |                                 |
|--------------------------|---------------------------------|
| RoHS Compliance Status   | Compliant without exemption     |
| REACH SVHC               | No SVHC above 0.1 wt%           |
| Product Carbon Footprint | Cradle to gate 0.362 kg CO2 eq. |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic 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)            | 352 V              | Current (ATEX)                  | 110 A              |
| Wire cross section max. (ATEX) | 35 mm <sup>2</sup> | Max. voltage (IECEX)            | 352 V              |
| Current (IECEX)                | 110 A              | Wire cross section max. (IECEX) | 35 mm <sup>2</sup> |
| 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  |
| Mounting rail                       | TS 35                                                             | N-function                    | No  |
| PE function                         | No                                                                | PEN function                  | Yes |

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## Technical data

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|                                                                                                            |                   |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 6 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 cross-section, finely stranded, two clampable wires, max.                                             | 6 mm <sup>2</sup> | Wire connection cross section, finely stranded, two clampable wires, min.                                  | 2.5 mm <sup>2</sup> |

## Additional technical data

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Open sides               | closed | Number of similar terminals | 1       |
| Explosion-tested version | No     | Type of mounting            | Snap-on |

## CSA rating data

|                               |        |                       |           |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 2 AWG  | Certificate No. (CSA) | 12400-388 |
| Voltage size B (CSA)          | 300 V  | Current size B (CSA)  | 120 A     |
| Voltage size D (CSA)          | 300 V  | Current size D (CSA)  | 10 A      |
| Wire cross section min. (CSA) | 12 AWG |                       |           |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Gauge to IEC 60947-1                                                                    | B8, B9              | Wire connection cross section AWG, max.                                                 | AWG 10              |
| Connection direction                                                                    | on side             | Tightening torque, max.                                                                 | 5 Nm                |
| Tightening torque, min.                                                                 | 4 Nm                | Stripping length                                                                        | 18 mm               |
| Type of connection                                                                      | Screw connection    | Number of connections                                                                   | 2                   |
| Clamping range, max.                                                                    | 50 mm <sup>2</sup>  | Clamping range, min.                                                                    | 2.5 mm <sup>2</sup> |
| Clamping screw                                                                          | M 6                 | Blade size                                                                              | 6.5 x 1.2 mm        |
| Wire connection cross section AWG, min.                                                 | AWG 12              | 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 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, max.                                    | 35 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 2.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 50 mm <sup>2</sup>  |
| Connection cross-section, 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> | Connection cross-section, finely stranded, min.                                         | 2.5 mm <sup>2</sup> |

## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 10        | Wire connection cross section AWG, min. | AWG 12 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

## PE rating data

|              |     |
|--------------|-----|
| PEN function | Yes |
|--------------|-----|

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## Rating data

|                                              |                    |                                 |               |
|----------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                          | 35 mm <sup>2</sup> | Rated voltage                   | 500 V         |
| Rated DC voltage                             | 500 V              | Nominal current                 | 125 A         |
| Current at maximum wires                     | 150 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ            | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 4.00 W             | Surge voltage category          | III           |
| Pollution severity                           | 3                  |                                 |               |

## UL rating data

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

## Important note

|                     |                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------|
| Product information | 1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW EN partitions |
|---------------------|-------------------------------------------------------------------------------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

Drawings

