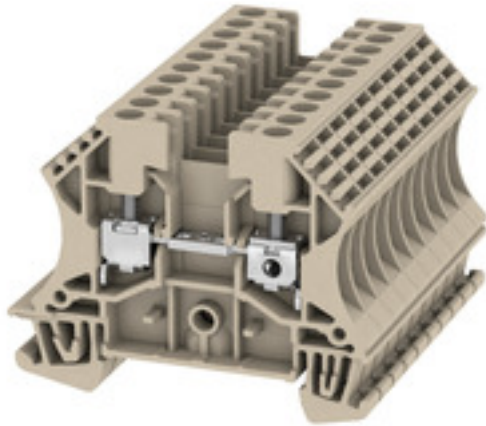


**WDU 4/10****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| Version    | Feed-through terminal, Screw connection, 4 mm <sup>2</sup> , 800 V, 32 A, dark beige |
| Order No.  | <a href="#">1021000000</a>                                                           |
| Type       | WDU 4/10                                                                             |
| GTIN (EAN) | 4008190076924                                                                        |
| Qty.       | 10 pc(s).                                                                            |

## WDU 4/10

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 46.5 mm | Depth (inches)  | 1.831 inch |
| Height     | 60 mm   | Height (inches) | 2.362 inch |
| Width      | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Net weight | 101.2 g |                 |            |

## Temperatures

|                                  |                |                                  |                                                                                                   |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -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)                  | 32 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 690 V             |
| Current (IECEX)                | 32 A                                                                                              | Wire cross section max. (IECEX) | 4 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 2014/34/EU label            | II 2 G D                                                                                          |                                 | Ex eb II C Gb     |

## System specifications

|                                     |                                                                               |                               |     |
|-------------------------------------|-------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, for plug-in cross-connector, for screwable cross-connection | 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                  | No  |

## Additional technical data

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 10      |
| Open sides               | right | Type of mounting            | Snap-on |

## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 35 A   |
| Current size C (CSA)          | 35 A           | Voltage size C (CSA)          | 600 V  |
| Wire cross section max. (CSA) | 10 AWG         | Wire cross section min. (CSA) | 26 AWG |

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## Technical data

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.

4 mm<sup>2</sup>

## Conductors for clamping (rated connection)

|                                                                                         |                                        |                              |                     |        |
|-----------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------------------|--------|
| Clampable conductor                                                                     | Connection specification               |                              | Screw connection    |        |
|                                                                                         | Cross-section for conductor connection | Type                         | solid, H05(07) V-U  |        |
|                                                                                         |                                        | min.                         | 0.5 mm <sup>2</sup> |        |
|                                                                                         |                                        | max.                         | 6 mm <sup>2</sup>   |        |
|                                                                                         |                                        | nominal                      | 4 mm <sup>2</sup>   |        |
|                                                                                         | wire end ferrule                       | Stripping length             | min.                | 10 mm  |
|                                                                                         |                                        |                              | max.                | 10 mm  |
|                                                                                         |                                        |                              | nominal             | 10 mm  |
|                                                                                         |                                        | Tightening torque            | min.                | 0.5 Nm |
|                                                                                         |                                        |                              | max.                | 1 Nm   |
|                                                                                         |                                        | Recommended wire-end ferrule |                     |        |
|                                                                                         | Connection specification               |                              | Screw connection    |        |
|                                                                                         | Cross-section for conductor connection | Type                         | stranded, H07V-R    |        |
|                                                                                         |                                        | min.                         | 1.5 mm <sup>2</sup> |        |
|                                                                                         |                                        | max.                         | 6 mm <sup>2</sup>   |        |
|                                                                                         |                                        | nominal                      | 4 mm <sup>2</sup>   |        |
|                                                                                         | wire end ferrule                       | Stripping length             | min.                | 10 mm  |
|                                                                                         |                                        |                              | max.                | 10 mm  |
|                                                                                         |                                        |                              | nominal             | 10 mm  |
|                                                                                         |                                        | Tightening torque            | min.                | 0.5 Nm |
| max.                                                                                    |                                        |                              | 1 Nm                |        |
| Recommended wire-end ferrule                                                            |                                        |                              |                     |        |
| Connection specification                                                                |                                        | Screw connection             |                     |        |
| Cross-section for conductor connection                                                  | Type                                   | flexible, H05(07) V-K        |                     |        |
|                                                                                         | min.                                   | 0.5 Nm                       |                     |        |
|                                                                                         | max.                                   | 6 Nm                         |                     |        |
|                                                                                         | nominal                                | 4 Nm                         |                     |        |
| wire end ferrule                                                                        | Stripping length                       | min.                         | 10 mm               |        |
|                                                                                         |                                        | max.                         | 10 mm               |        |
|                                                                                         |                                        | nominal                      | 10 mm               |        |
|                                                                                         | Tightening torque                      | min.                         | 0.5 Nm              |        |
|                                                                                         |                                        | max.                         | 1 Nm                |        |
|                                                                                         | Recommended wire-end ferrule           |                              |                     |        |
| Clamping screw                                                                          | M 3                                    |                              |                     |        |
| Connection direction                                                                    | on side                                |                              |                     |        |
| Number of connections                                                                   | 2                                      |                              |                     |        |
| Stripping length                                                                        | 10 mm                                  |                              |                     |        |
| Twin wire-end ferrules, max.                                                            | 2.5 mm <sup>2</sup>                    |                              |                     |        |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>                    |                              |                     |        |
| Type of connection                                                                      | Screw connection                       |                              |                     |        |
| Wire connection cross section, finely stranded, max.                                    | 6 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, max. | 4 mm <sup>2</sup>                      |                              |                     |        |

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## Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 0.5 mm<sup>2</sup>

Wire connection cross-section, solid core, max. 6 mm<sup>2</sup>

Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## Dimensions

TS 35 offset 32 mm

## General

Rail TS 35

## Rating data

Rated cross-section 4 mm<sup>2</sup>

Rated current 32 A

Power loss in accordance with IEC 60947-7-x 1.02 W

Rated voltage 800 V

Volume resistance according to IEC 60947-7-x 1 mΩ

## UL rating data

Certificate No. (UR) E60693

Conductor size Factory wiring min. (UR) 26 AWG

Conductor size Field wiring min. (UR) 22 AWG

Voltage size C (UR) 600 V

Conductor size Factory wiring max. (UR) 10 AWG

Conductor size Field wiring max. (UR) 10 AWG

Current size C (UR) 35 A

## Classifications

ETIM 6.0 EC001284

ETIM 8.0 EC001284

ECLASS 9.1 27-14-11-06

ECLASS 11.0 27-14-11-06

ETIM 7.0 EC001284

ECLASS 9.0 27-14-11-06

ECLASS 10.0 27-14-11-06

ECLASS 12.0 27-14-11-06

## Approvals

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UR) E60693

## WDU 4/10

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## Technical data

### Downloads

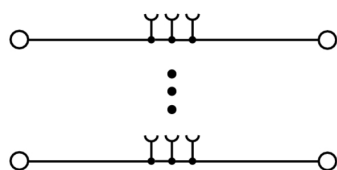
|                                                |                                                            |
|------------------------------------------------|------------------------------------------------------------|
| Approval/Certificate/Document of<br>Conformity | <a href="#">IECEX Certificate</a>                          |
|                                                | <a href="#">CB Testreport</a>                              |
|                                                | <a href="#">CB Certificate</a>                             |
|                                                | <a href="#">EAC certificate</a>                            |
|                                                | <a href="#">EAC EX Certificate</a>                         |
|                                                | <a href="#">CCC Ex Certificate</a>                         |
|                                                | <a href="#">CE Declaration of Conformity</a>               |
|                                                | <a href="#">ATEX Certificate</a>                           |
|                                                | <a href="#">CE Declaration of Conformity all terminals</a> |
|                                                | <a href="#">UKCA Declaration of Conformity</a>             |
| Engineering Data                               | <a href="#">CAD data – STEP</a>                            |
| Engineering Data                               | <a href="#">EPLAN, WSCAD, Zuken E3,S</a>                   |
| User Documentation                             | <a href="#">NTI WDU/WPE 4</a>                              |
|                                                | <a href="#">StorageConditionsTerminalBlocks</a>            |
| Catalogues                                     | <a href="#">Catalogues in PDF-format</a>                   |

## WDU 4/10

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## Drawings



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