



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1020000000  |
| Part designation | WDU 2.5   |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| EAN              | 4008190099633   |
| Qty.             | 100 pc(s).  |

#### Product notes

|                      |   |
|----------------------|---|
| Note, ordering data  | Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.                                   |
| Note, technical data | 2.5 mm <sup>2</sup> conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs) |
| Product description  | Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.               |
| Note, accessories    | Socket and test plug, see section "W Series accessories". Ensure 2.5 mm <sup>2</sup> max. when using the WQB. Shielding rail LS 2.8 1056400000. |

#### PT OKIECEX/ATEX rating data

|                                      |                          |
|--------------------------------------|--------------------------|
| EU-type examination certificate      | KEMA98ATEX1683U          |
| Download, German                     | KEMA98ATEX1683U_d.pdf    |
| Download English                     | KEMA98ATEX1683U_e.pdf    |
| IECEX Certificate of Conformity      | IECEXULD05.0008U         |
| Download                             | IECEXULD05.0008U_e.pdf   |
| ATEX voltage                         | 550 V                    |
| ATEX current                         | 21 A                     |
| ATEX conductor cross-section         | 2.5 mm <sup>2</sup>      |
| IECEX voltage                        | 550 V                    |
| IECEX current                        | 20 A                     |
| IECEX conductor cross-section        | 2.5 mm <sup>2</sup>      |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |

#### PT OKIECEx/ATEX rating data

|                                |   |
|--------------------------------|---|
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| Marking EN 60079-7             | Ex e II   |
| Marking ATEX Directive 94/9/EC | Ex II 2 G D   |

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

|  |                     |
|--|---------------------|
| Solid, min.                                  | 0.5 mm <sup>2</sup> |
| Solid, max.                                  | 1.5 mm <sup>2</sup> |
| Flexible, min.                               | 0.5 mm <sup>2</sup> |
| Flexible, max.                               | 1.5 mm <sup>2</sup> |
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 1.5 mm <sup>2</sup> |

#### Additional technical data

|  |                       |
|--|-----------------------|
| Colour of insulating material                    | dark beige            |
| Connection direction                             | on side               |
| End plate required                               | Yes                   |
| Explosion-tested version "Ex e"                  | Yes                   |
| Installation advice                              | TS 35                 |
| Insulating material                              | Wemid                 |
| Levels cross-connected internally                | No                    |
| No. of identical terminals                       | 1                     |
| No. of levels                                    | 1                     |
| No. of terminal strips per level                 | 2                     |
| Open sides                                       | right                 |
| Operating temperature range                      | - 50 °C, + 120 °C     |
| Product family                                   | W-Series              |
| Type of connection                               | Screwed               |
| Type of mounting                                 | Snap-on               |
| UL 94 flammability rating of insulation material | V-0                   |
| Version  | Feed-through terminal |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 600 V  |
| CSA current              | 20 A   |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Clamping range, min.                       | 0.05 mm <sup>2</sup> |
| Clamping range, max.                       | 4 mm <sup>2</sup>    |
| Type of connection                         | Screw connection     |
| 2nd type of connection                     | screwed              |
| Connection direction                       | on side              |
| No. of connections                         | 2                    |
| Stripping length                           | 10 mm                |
| Clamping screw                             | M 2.5                |
| Blade size                                 | 0.6 x 3.5 mm         |
| Tightening torque range                    | 0.4...0.8 Nm         |
| Torque level with DMS electric screwdriver | 1                    |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Gauge to IEC 60947-1   | A3                   |
| Solid, min.  | 0.5 mm <sup>2</sup>  |
| Solid, max.  | 4 mm <sup>2</sup>    |
| Stranded, min.   | 1.5 mm <sup>2</sup>  |
| Stranded, max.   | 4 mm <sup>2</sup>    |
| Flexible, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max.   | 4 mm <sup>2</sup>    |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228/1)                    | 2.5 mm <sup>2</sup>  |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm <sup>2</sup>  |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm <sup>2</sup>  |
| Twin wire-end ferrule, min.                                  | 0.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 1.5 mm <sup>2</sup>  |
| AWG conductor size, min.                                     | AWG 30               |
| AWG conductor size, max.                                     | AWG 12               |
| AWG conductor size, min.                                     | 0.05 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup> |

#### Dimensions

|                          |        |
|--------------------------|--------|
| Width                    | 5.1 mm |
| Height of lowest version | 47 mm  |
| Length                   | 60 mm  |
| Weight                   | 8.03 g |
| TS 35 offset             | 32 mm  |

#### Disconnect terminals

|  |   |
|--|---|
| Torque level with DMS electric screwdriver | 1 |
|--|---|

#### Rating data

|                             |                     |
|-----------------------------|---------------------|
| Rated cross-section         | 2.5 mm <sup>2</sup> |
| Rated voltage               | 800 V               |
| Rated impulse voltage       | 8 kV                |
| Rated current               | 24 A                |
| Standards                   | IEC 60947-7-1       |
| Current with max. conductor | 32 A                |
| Pollution severity          | 3                   |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 600 V  |
| Current (UL)            | 25 A   |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

## Approvals

Approvals institutes



## Downloads

|      |                                  |
|------|----------------------------------|
| DXF  | 09252_WDU_2.5_DXF.dxf            |
| STEP | 1020000000_09252_WDU_2.5_STP.stp |

## Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000897    |
| ETIM 3.0   | EC000897    |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

## Similar products

| Order No.  | Part designation  | Version   |
|------------|-------------------|---|
| 1020080000 | WDU 2.5 BL        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35       |
| 1020090000 | WDU 2.5 GN        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35      |
| 1020010000 | WDU 2.5 SW        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, black, TS 35      |
| 1020020000 | WDU 2.5 GE        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, yellow, TS 35     |
| 1037720000 | WDU 2.5 GR        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, grey, TS 35       |
| 1037700000 | WDU 2.5 PA/VI     | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, violet, TS 35     |
| 1036800000 | WDU 2.5 WS        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, white, TS 35      |
| 1020700000 | WDU 2.5/10 BEZ    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1020800000 | WDU 2.5/10 BEZ/NE | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |

|            |                   |   |
|------------|-------------------|---|
| 1020050000 | WDU 2.5 WAP/GG    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35 |
| 1024700000 | WDU 2.5/1.5/ZR    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35   |
| 1024780000 | WDU 2.5/1.5/ZR BL | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35         |