

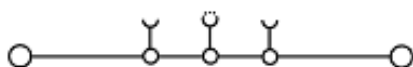


### General ordering data

|                         |               |
|-------------------------|---------------|
| Order No.               | 1020080000    |
| Short text for material | WDU 2.5 BL    |
| EAN                     | 4008190163235 |
| Qty                     | 100           |

### 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) |



### Additional technical data

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

### CSA rating data

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

#### Conductors for clamping (1) with equal cross-section (rated connection)

|  |                     |
|--|---------------------|
| Flexible with ferrule, max. (DIN 46228 pt 1) | 1,5 mm <sup>2</sup> |
| Solid, max.                                  | 1,5 mm <sup>2</sup> |
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0,5 mm <sup>2</sup> |
| Flexible, max.                               | 1,5 mm <sup>2</sup> |
| Solid, min.                                  | 0,5 mm <sup>2</sup> |
| Flexible, min.                               | 0,5 mm <sup>2</sup> |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Stripping length   | 10 mm                |
| Type of connection   | Screw connection     |
| No. of connections   | 2                    |
| Solid, min.  | 0,5 mm <sup>2</sup>  |
| Twin wire-end ferrule, min.                                  | 0,50 mm <sup>2</sup> |
| Zwillings-AEH, max.  | 1,50 mm <sup>2</sup> |
| Gauge to IEC 60947-1   | A3                   |
| AWG conductor size, max.                                     | 3,31 mm <sup>2</sup> |
| AWG conductor size, max.                                     | AWG 12               |
| Stranded, max.   | 4 mm <sup>2</sup>    |
| Stranded, min.   | 1,5 mm <sup>2</sup>  |
| AWG conductor size, min.                                     | 0,05 mm <sup>2</sup> |
| AWG conductor size, min.                                     | AWG 30               |
| Connection direction   | on side              |
| Flexible, min.   | 0,5 mm <sup>2</sup>  |
| 2nd type of connection                                       | screwed              |
| Torque level with DMS electric screwdriver                   | 1                    |
| Tightening torque range                                      | 0.4...0.8 Nm         |
| Solid, max.  | 4 mm <sup>2</sup>    |
| Flexible, max.   | 4 mm <sup>2</sup>    |
| flexible w. ferrule AEH, max. DIN 46228-1                    | 2,5 mm <sup>2</sup>  |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2,5 mm <sup>2</sup>  |
| flexible w. ferrule AEH, min. DIN 46228-1                    | 0,5 mm <sup>2</sup>  |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0,5 mm <sup>2</sup>  |
| Clamping range, max.   | 4 mm <sup>2</sup>    |
| Clamping range, min.   | 0,05 mm <sup>2</sup> |
| Clamping screw   | M 2.5                |
| Blade size   | 0.6 x 3.5 mm         |

#### Dimensions

|                          |        |
|--------------------------|--------|
| Weight                   | 8,40 g |
| Length                   | 60 mm  |
| Height of lowest version | 47 mm  |
| Width                    | 5,1 mm |
| TS 35 offset             | 15 mm  |

#### Disconnect terminals

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

### EN 60079-7 rating data

|   |                   |
|---|-------------------|
| Voltage at cross-connection DU+QV/PE with end plate | 550 V             |
| Voltage at cross-connection DU+QV skipping          | 110 V             |
| Marking ATEX Directive 94/9/EC                      | II 2 G D          |
| EC conformity verification certificate              | KEMA 98ATEX1683 U |
| Voltage Ex e  | 550 V             |
| Voltage at cross-connection DU+2x QV parallel       | 110 V             |
| Voltage Ex i, EN 50020                              | 60 V              |
| Voltage at cross-connection DU+QV/DU                | 550 V             |
| Marking ATEX Directive 94/9/EC                      | Ex II 2 G D       |
| Voltage at cross-connection DU+3x QV parallel       | 60 V              |
| Voltage at cross-connection DU+QV/PE                | 420 V             |
| Marking EN 60079-7                                  | Ex e II           |
| Current Ex e  | 21 A              |

### Rating data

|                                 |                     |
|---------------------------------|---------------------|
| Rated cross-section             | 2,5 mm <sup>2</sup> |
| Rated voltage                   | 800 V               |
| Rated impulse withstand voltage | 8 kV                |
| Rated current                   | 24 A                |
| Norm                            | IEC 60947-7-1       |
| Current with max. conductor     | 32 A                |
| Pollution severity              | 3                   |

### UL rating data

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

### Approvals

Approvals



### Downloads

|      |                              |
|------|------------------------------|
| STEP | 1020080000_09252_WDU_2.5_BL_ |
|------|------------------------------|

### 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 |

Identical profiles from 2.5 to 10 mm<sup>2</sup> with uniform end and partition plates. An unsurpassed combination of many advantages!

Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

#### Related products

| Order No. | Short text for material |
|-----------|-------------------------|
| 102000000 | WDU 2.5                 |
| 102009000 | WDU 2.5 GN              |
| 102001000 | WDU 2.5 SW              |
| 102002000 | WDU 2.5 GE              |
| 103772000 | WDU 2.5 GR              |
| 103770000 | WDU 2.5 PA/VI           |
| 103680000 | WDU 2.5 WS              |
| 102070000 | WDU 2.5/10 BEZ          |
| 102080000 | WDU 2.5/10 BEZ/NE       |
| 102005000 | WDU 2.5 WAP/GG          |
| 102470000 | WDU 2.5/1.5/ZR          |
| 102478000 | WDU 2.5/1.5/ZR BL       |