

## Excellent Integrated System Limited

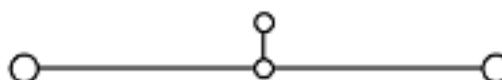
Stocking Distributor

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[Weidmüller](#)  
[1023780000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1023780000  |
| Part designation | WDU 2.5N BL   |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35 |
| EAN              | 4008190024123   |
| Qty.             | 100 pc(s).  |

#### Product notes

|                      |   |
|----------------------|---|
| Note, ordering data  | For colours available see section W-series accessories "Specific functions"   |
| 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"  |

#### 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                         | 440 V   |
| ATEX current                         | 21 A  |
| ATEX conductor cross-section         | 2.5 mm <sup>2</sup>   |
| IECEX voltage                        | 440 V   |
| IECEX current                        | 20 A  |
| IECEX conductor cross-section        | 2.5 mm <sup>2</sup>   |
| Voltage when using cross-connections | CrossConnectionGuide.pdf  |
| Operating temperature range          | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |

#### PT OKIECEx/ATEX rating data

|                                |             |
|--------------------------------|-------------|
| 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                    | blue                  |
| 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)            | 300 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...0.6 Nm         |
| Torque level with DMS electric screwdriver | 1                    |
| Gauge to IEC 60947-1                       | A3                   |
| Solid, min.                                | 0.5 mm <sup>2</sup>  |

**Conductors for clamping (rated connection)**

|  |                      |
|--|----------------------|
| 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 26               |
| AWG conductor size, max.                                     | AWG 12               |
| AWG conductor size, min.                                     | 0.13 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup> |

**Dimensions**

|                          |         |
|--------------------------|---------|
| Width                    | 5.1 mm  |
| Height of lowest version | 37.5 mm |
| Length                   | 44 mm   |
| Weight                   | 6.2 g   |
| TS 35 offset             | 24.5 mm |

**Disconnect terminals**

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

**Rating data**

|                             |                     |
|-----------------------------|---------------------|
| Rated cross-section         | 2.5 mm <sup>2</sup> |
| Rated voltage               | 500 V               |
| Rated impulse voltage       | 6 kV                |
| Rated current               | 24 A                |
| Standards                   | IEC 60947-7-1       |
| Current with max. conductor | 32 A                |
| Pollution severity          | 3                   |

**UL rating data**

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 300 V  |
| Current (UL)            | 10 A   |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

### Approvals

Approvals institutes



### Classifications

|            |             |
|------------|-------------|
| 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   |
|------------|--------------------|---|
| 1023700000 | WDU 2.5N           | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1023720000 | WDU 2.5N GN WAP GE | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35      |
| 1023760000 | WDU 2.5N OR        | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Polyamide, Orange, TS 35 |
| 1040800000 | WDU 2.5N ZQV       | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1040880000 | WDU 2.5N ZQV BL    | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35       |
| 1730940000 | WDU 2.5N/600UL     | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |