



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1024400000   |
| Part designation | WDU 2.5/TC TYP SR  |
| Version          | Special terminal, special connections, 2.5 mm <sup>2</sup> ,<br>Screw connection, Wemid, dark beige, TS 35 |
| EAN              | 4008190116675  |
| Qty.             | 50 pc(s).  |

#### PT OKIECEEx/ATEX rating data

|                                      |  |
|--------------------------------------|--|
| EU-type examination certificate      | SIRA02ATEX3153U  |
| Download, German                     |  |
| Download English                     | SIRA02ATEX3153U_e.pdf  |
| IECEEx Certificate of Conformity     | IECEXSIR05.0039U   |
| Download                             | IECEXSIR05.0039U_e.pdf   |
| ATEX voltage                         | 55 V   |
| ATEX current                         | 1 A  |
| ATEX conductor cross-section         | 2.5 mm <sup>2</sup>  |
| IECEEx voltage                       | 55 V   |
| IECEEx 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<br>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"                  | No                |
| 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  | Thermocouple      |

**Conductors for clamping (additional connection)**

|                    |                  |
|--------------------|------------------|
| Type of connection | Screw connection |
|--------------------|------------------|

**Conductors for clamping (rated connection)**

|  |                      |
|--|----------------------|
| Clamping range, min.   | 0.13 mm <sup>2</sup> |
| Clamping range, max.   | 2.5 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   | A2                   |
| Solid, min.  | 0.5 mm <sup>2</sup>  |
| Solid, max.  | 2.5 mm <sup>2</sup>  |
| Stranded, min.   | 1.5 mm <sup>2</sup>  |
| Stranded, max.   | 2.5 mm <sup>2</sup>  |
| Flexible, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max.   | 2.5 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               |

#### Conductors for clamping (rated connection)

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

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 10.2 mm |
| Height of lowest version | 50.5 mm |
| Length                   | 60 mm   |
| Weight                   | 16.95 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>       |
| Standards           | IEC 60947-7-1 / IEC 60584 |
| Pollution severity  | 3                         |

#### Thermal voltage terminals

|                         |                       |
|-------------------------|-----------------------|
| Type of thermo-elements | Pt10%-PtRh/Pt13%-PtRh |
|-------------------------|-----------------------|

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| eClass 4.1 | 27-14-11-31 |
| eClass 5.0 | 27-14-11-31 |
| eClass 5.1 | 27-14-11-31 |

#### Similar products

| Order No.  | Part designation | Version   |
|------------|------------------|---|
| 1033700000 | WDU 2.5/TC TYP B | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1033300000 | WDU 2.5/TC TYP E | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1024300000 | WDU 2.5/TC TYP J | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1024100000 | WDU 2.5/TC TYP K | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1041500000 | WDU 2.5/TC TYP N | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1024200000 | WDU 2.5/TC TYP T | Special terminal, special connections, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |