



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1036400000  |
| Part designation | WDK 2.5DU-PE  |
| Version          | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| EAN              | 4008190297374   |
| Qty.             | 100 pc(s).  |

#### Product notes

|                      |   |
|----------------------|---|
| 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    | Test plug and socket, see section "W-Series accessories" Note the 2.5 mm <sup>2</sup> max. when using the WQB.                                  |

#### PT OKIECEEx/ATEX rating data

|                                      |   |
|--------------------------------------|---|
| EU-type examination certificate      | KEMA98ATEX1687U   |
| Download, German                     | KEMA98ATEX1687U_d.pdf   |
| Download English                     | KEMA98ATEX1687U_e.pdf   |
| ATEX voltage                         | 275 V   |
| ATEX current                         | 21 A  |
| ATEX 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 |
| 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> |
|-------------|---------------------|

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

|  |                     |
|--|---------------------|
| 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                                    | 2                 |
| 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  | Double terminal   |

**CSA rating data**

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 300 V  |
| CSA current              | 10 A   |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

**Conductors for clamping (additional connection)**

|  |                     |
|--|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm <sup>2</sup> |

**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                         | 4                    |
| 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>  |
| 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 | 63 mm   |
| Length                   | 69.5 mm |
| Weight                   | 18.1 g  |
| TS 35 offset             | 35.5 mm |

#### Disconnect terminals

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

#### Rating data

|                             |                      |
|-----------------------------|----------------------|
| Rated cross-section         | 2.5 mm <sup>2</sup>  |
| Rated voltage               | 400 V                |
| Rated impulse voltage       | 6 kV                 |
| Rated current               | 24 A                 |
| Standards                   | IEC 60947-7-1 (-7-2) |
| Current with max. conductor | 32 A                 |
| Pollution severity          | 3                    |

#### UL rating data

|                         |        |
|-------------------------|--------|
| Voltage (UL)            | 300 V  |
| Current (UL)            | 20 A   |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

#### Approvals

Approvals institutes



#### Downloads

|      |  |
|------|--|
| DXF  | 21955_WDK_2.5-DU-PE_DXF.dxf            |
| STEP | 1036400000_21955_WDK_2.5_DU-PE_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   |
|------------|------------------|---|
| 1021500000 | WDK 2.5          | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1029100000 | WDK 2.5/800V     | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, beige, TS 35      |
| 1021580000 | WDK 2.5 BL       | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35       |
| 1041100000 | WDK 2.5 ZQV      | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1041180000 | WDK 2.5 ZQV BL   | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35       |
| 1022300000 | WDK 2.5V         | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35 |
| 1022380000 | WDK 2.5V BL      | Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35       |