

General ordering data

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| Order No. | 1041650000 |
| Part designation | WDK 2.5N DU-PE |
| Version | Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| EAN | 4032248138739 |
| Qty. | 100 pc(s). |

Product notes

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|----------------------|---|
| Note, technical data | When using the cross-connection ZQV, the rated voltage is reduced to 400 V. |
| Product description | Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular. |

PT OKIECEEx/ATEX rating data

| | |
|--------------------------------------|---|
| EU-type examination certificate | KEMA00ATEX2061U |
| Download, German | KEMA00ATEX2061U_d.pdf |
| Download English | KEMA00ATEX2061U_e.pdf |
| IECEEx 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 ² |
| IECEEx voltage | 550 V |
| IECEEx current | 20 A |
| IECEEx conductor cross-section | 2.5 mm ² |
| 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 ² |
| Solid, max. | 1.5 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 1.5 mm ² |
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 1.5 mm ² |

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 |

Additional technical data

| | |
|--|-----------------------|
| 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 (additional connection)

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

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Clamping range, min. | 0.05 mm ² |
| Clamping range, max. | 4 mm ² |
| Type of connection | Screw connection |
| 2nd type of connection | screwed |
| Connection direction | on side |
| No. of connections | 4 |
| Stripping length | 8 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 ² |
| Solid, max. | 4 mm ² |
| Stranded, min. | 1.5 mm ² |
| Stranded, max. | 4 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 4 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 2.5 mm ² |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm ² |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm ² |
| AWG conductor size, min. | AWG 30 |
| AWG conductor size, max. | AWG 12 |
| AWG conductor size, min. | 0.13 mm ² |
| AWG conductor size, max. | 3.31 mm ² |

Dimensions

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|--------------------------|----------|
| Width | 5.1 mm |
| Height of lowest version | 62.5 mm |
| Length | 60.7 mm |
| TS 35 offset | 30.85 mm |

Disconnect terminals

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

Rating data

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|-----------------------------|----------------------|
| Rated cross-section | 2.5 mm ² |
| Rated voltage | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 24 A |
| Standards | IEC 60947-7-1 (-7-2) |
| Current with max. conductor | 28 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 20 A |
| Min. cross-section (UL) | AWG 30 |
| Max. cross-section (UL) | AWG 12 |

Approvals

Approvals institutes



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 |
|-----------|------------------|---|
| 104160000 | WDK 2.5N | Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| 104161000 | WDK 2.5N V | Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| 104168000 | WDK 2.5N BL | Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue, TS 35 |

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|------------|----------------|---|
| 1041900000 | WDK 4N | Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| 1041980000 | WDK 4N BL | Feed-through terminal, 4 mm ² , Screw connection, Wemid, blue, TS 35 |
| 1041950000 | WDK 4N DU-PE | Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| 7916780000 | WDK 4N DU-PE/E | Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35 |
| 1041960000 | WDK 4N OR | Feed-through terminal, 4 mm ² , Screw connection, Polyamide, Orange, TS 35 |
| 1041910000 | WDK 4N V | Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35 |