



General ordering data

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|------------------|---|
| Order No. | 1608630000 |
| Part designation | ZDU 6 BL |
| Version | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| EAN | 4008190259259 |
| Qty. | 50 pc(s). |

Product notes

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|----------------------|---|
| Note, technical data | Twin wire-end ferrules ZH 0.5 - ZH 2.5 can be used. |
| Product description | Z-series standard ranges provide solutions for conductor cross-sections from 0.05 to 35 mm ² . |

PT OKIECEEx/ATEX rating data

| | |
|--------------------------------------|---|
| EU-type examination certificate | KEMA97ATEX2521U |
| Download, German | KEMA97ATEX2521U_d.pdf |
| Download English | KEMA97ATEX2521U_e.pdf |
| IECEEx Certificate of Conformity | IECEXULD05.0009U |
| Download | IECEXULD05.0009U_e.pdf |
| ATEX voltage | 550 V |
| ATEX current | 36 A |
| ATEX conductor cross-section | 6 mm ² |
| IECEEx voltage | 550 V |
| IECEEx current | 36 A |
| Voltage when using cross-connections | CrossConnectionGuide.pdf |
| Operating temperature range | Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEEx-Certificate of Conformity |
| Marking EN 60079-7 | Ex e II |
| Marking ATEX Directive 94/9/EC | Ex II 2 G D |

Additional technical data

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|-------------------------------|------|
| Colour of insulating material | blue |
| Connection direction | top |

Additional technical data

| | |
|--|-----------------------|
| 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 | Z-series |
| Type of connection | Clamped |
| Type of mounting | Snap-on |
| UL 94 flammability rating of insulation material | V-0 |
| Version | Feed-through terminal |

CSA rating data

| | |
|--------------------------|--------|
| Voltage (CSA) | 600 V |
| CSA current | 50 A |
| Min. cross-section (CSA) | AWG 20 |
| Max. cross-section (CSA) | AWG 8 |

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) | 6 mm ² |

Conductors for clamping (rated connection)

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|--|--------------------------|
| Clamping range, min. | 0.22 mm ² |
| Clamping range, max. | 10 mm ² |
| Type of connection | Tension clamp connection |
| 2nd type of connection | clamped |
| Connection direction | top |
| No. of connections | 2 |
| Stripping length | 13 mm |
| Blade size | 1.0 x 5.5 mm |
| Gauge to IEC 60947-1 | A5 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 10 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 10 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 6 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) | 6 mm ² |
| Twin wire-end ferrule, min. | 0.5 mm ² |
| Twin wire end ferrule, max. | 2.5 mm ² |
| AWG conductor size, min. | AWG 22 |
| AWG conductor size, max. | AWG 8 |

Conductors for clamping (rated connection)

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|--------------------------|----------------------|
| AWG conductor size, min. | 0.33 mm ² |
| AWG conductor size, max. | 8.37 mm ² |

Dimensions

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|--------------------------|---------|
| Width | 8.1 mm |
| Height of lowest version | 45.6 mm |
| Length | 65 mm |
| TS 35 offset | 32.5 mm |

Rating data

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|-----------------------------|-------------------|
| Rated cross-section | 6 mm ² |
| Rated voltage | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 41 A |
| Standards | IEC 60947-7-1 |
| Current with max. conductor | 57 A |
| Pollution severity | 3 |

UL rating data

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|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 50 A |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 8 |

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 |
|------------|------------------|---|
| 1608620000 | ZDU 6 | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |

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|------------|--------------|---|
| 1636820000 | ZDU 6 OR | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |
| 1631430000 | ZDU 6/10 | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 7907410000 | ZDU 6/3AN | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 7907420000 | ZDU 6/3AN BL | Feed-through terminal, 6 mm ² , Tension clamp connection, Wemid, blue, TS 35 |