

Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)
[1683640000](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

General ordering data

| | |
|------------------|--|
| Order No. | 1683640000 |
| Part designation | ZDU 4 WS |
| Version | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, white, TS 35 |
| EAN | 4008190476625 |
| Qty. | 100 pc(s). |

Product notes

| | |
|----------------------|---|
| Note, technical data | When using twin ferrules, the rated voltage is 690 V. |
| 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 | 28 A |
| ATEX conductor cross-section | 4 mm ² |
| IECEEx voltage | 550 V |
| IECEEx current | 28 A |
| IECEEx conductor cross-section | 4 mm ² |
| 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

| | |
|--|-----------------------|
| Colour of insulating material | white |
| Connection direction | top |
| 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 | 35 A |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 10 |

Conductors for clamping (additional connection)

| | |
|--|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 4 mm ² |

Conductors for clamping (rated connection)

| | |
|--|--------------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 6 mm ² |
| Type of connection | Tension clamp connection |
| 2nd type of connection | clamped |
| Connection direction | top |
| No. of connections | 2 |
| Stripping length | 12 mm |
| Blade size | 0.6 x 3.5 mm |
| Gauge to IEC 60947-1 | A4 |
| Solid, min. | 0.5 mm ² |
| Solid, max. | 6 mm ² |
| Stranded, min. | 0.5 mm ² |
| Stranded, max. | 6 mm ² |
| Flexible, min. | 0.5 mm ² |
| Flexible, max. | 6 mm ² |
| Flexible with ferrule, min. (DIN 46228/1) | 0.5 mm ² |
| Flexible with ferrule, max. (DIN 46228/1) | 4 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) | 4 mm ² |
| Twin wire-end ferrule, min. | 0.5 mm ² |
| Twin wire end ferrule, max. | 1.5 mm ² |
| AWG conductor size, min. | AWG 26 |
| AWG conductor size, max. | AWG 10 |
| AWG conductor size, min. | 0.13 mm ² |
| AWG conductor size, max. | 5.26 mm ² |

Dimensions

| | |
|--------------------------|---------|
| Width | 6.1 mm |
| Height of lowest version | 43.5 mm |
| Length | 62 mm |
| TS 35 offset | 29.5 mm |

Rating data

| | |
|-----------------------|-------------------|
| Rated cross-section | 4 mm ² |
| Rated voltage | 800 V |
| Rated impulse voltage | 8 kV |
| Rated current | 32 A |
| Standards | IEC 60947-7-1 |

Rating data

| | |
|-----------------------------|------|
| Current with max. conductor | 41 A |
| Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Voltage (UL) | 600 V |
| Current (UL) | 33 A |
| Min. cross-section (UL) | AWG 26 |
| Max. cross-section (UL) | AWG 10 |

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 |
|------------|------------------|---|
| 1632050000 | ZDU 4 | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 1632060000 | ZDU 4 BL | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 1683590000 | ZDU 4 GE | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, yellow, TS 35 |
| 1683630000 | ZDU 4 GR | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, grey, TS 35 |
| 1636830000 | ZDU 4 OR | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, Orange, TS 35 |
| 1683580000 | ZDU 4 RT | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, red, TS 35 |
| 1683650000 | ZDU 4 SW | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, black, TS 35 |
| 1651900000 | ZDU 4/10/BEZ | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 7904180000 | ZDU 4/3AN | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |

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|------------|--------------|---|
| 7904190000 | ZDU 4/3AN BL | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, blue, TS 35 |
| 7904290000 | ZDU 4/4AN | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, dark beige, TS 35 |
| 7904300000 | ZDU 4/4AN BL | Feed-through terminal, 4 mm ² , Tension clamp connection, Wemid, blue, TS 35 |