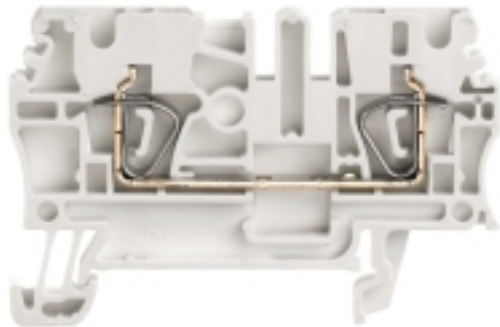


**Z-series
ZDU 2.5 WS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

| | |
|------------|--|
| Type | ZDU 2.5 WS |
| Order No. | 1683320000 |
| Version | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, White |
| GTIN (EAN) | 4008190477875 |
| Qty. | 100 pc(s). |

**Z-series
ZDU 2.5 WS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

| | | | |
|------------|---------|--------------------------|---------|
| Length | 59.5 mm | Width | 5.1 mm |
| Height | 38.5 mm | Height of lowest version | 39.5 mm |
| Net weight | 7.1 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature | | Storage temperature | |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Rated data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------|--------------------------|
| Certificate No. (ATEX) | KEMA97ATEX2521U | ATEX certificate | KEMA97ATEX2521U_d.pdf |
| ATEX certificate | KEMA97ATEX2521U_e.pdf | IEC Ex certificate | IECEXULD05.0009U_e.pdf |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 21 A |
| Wire cross section max. (ATEX) | 2.5 mm ² | Voltage, cross-connection | CrossConnectionGuide.pdf |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| Marking ATEX Directive 94/9/EC | II 2 G D | | Ex e II |

Additional technical data

| | | | |
|--------------------------|--|-----------------------------|---------|
| Explosion-tested version | Yes | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |
| Version | Tension-clamp connection, for plug-in cross-connector, One end without connector | | |

CSA ratings data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1152892 | Voltage size B (CSA) | 600 V |
| Voltage size C (CSA) | 600 V | Voltage size D (CSA) | 600 V |
| Current size B (CSA) | 27 A | Current size C (CSA) | 27 A |
| Current size D (CSA) | 5 A | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|---|---------------------|

**Z-series
ZDU 2.5 WS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Clampable wires (rated connection)**

| | | | |
|---|--------------------------|---|----------------------|
| Type of connection | Tension clamp connection | Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm | Connection direction | top |
| Number of connections | 2 | Clamping range, rated connection, min. | 0.05 mm ² |
| Clamping range, rated connection, max. | 4 mm ² | Gauge to IEC 60947-1 | A3 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 4 mm ² |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm ² |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm ² |
| Wire connection cross section AWG, min. | AWG 30 | Wire connection cross section AWG, max. | AWG 12 |

Rated data

| | | | |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 800 V |
| Rated impulse withstand voltage | 8 kV | Rated current | 24 A |
| Current at maximum wires | 31 A | Standards | IEC 60947-7-1 |
| Pollution severity | 3 | | |

UL ratings data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Voltage size C (UR) | 600 V |
| Current size C (UR) | 25 A | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR) | 12 AWG |

Material data

| | | | |
|---------------------|-------|---------------------------|-------|
| Insulating material | Wemid | Material | Wemid |
| Colour | White | UL 94 flammability rating | V-0 |

System specifications

| | | | |
|-----------------------------------|----------|----------------------------------|--------------------------|
| Product family | Z-series | Type of connection | Tension clamp connection |
| Connection direction | top | Number of levels | 1 |
| Number of connections | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| End cover plate required | Yes | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | UNSPSC | 30-21-18-11 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 | | |

Product information

Descriptive text ordering data Rated voltage is reduced to 400 V when using the cross-connector.

Data sheet

**Z-series
ZDU 2.5 WS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform