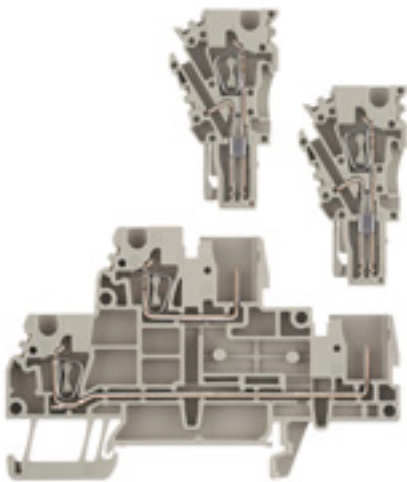


**Z-series
ZDT 2.5/2**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
www.weidmueller.com

**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

| | |
|------------|---|
| Type | ZDT 2.5/2 |
| Order No. | 1815150000 |
| Version | Z-series, Double-tier terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Dark Beige |
| GTIN (EAN) | 4032248340774 |
| Qty. | 50 pc(s). |

Data sheet

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Technical data

Dimensions and weights

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Height | 80.5 mm | Height (inches) | 3.169 inch |
| Depth | 52 mm | Depth (inches) | 2.047 inch |
| Depth including DIN rail | 52.5 mm | Net weight | 9.67 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|--|----------------------------------|-----|
| Version | 2 tension-clamp connections - 2 plug-in connections, pluggable | End cover plate required | Yes |
| Number of levels | 2 | No. of clamping points per level | 4 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting rail | TS 35 | | |

Additional technical data

| | | | |
|--------------------------|---------|------------|-------|
| Explosion-tested version | No | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-----------------------------------|----------------|-----------------------------------|--------|
| Certificate number (cCSAus) | 154685-1460993 | Current size C (cCSAus) | 20 A |
| Current size D (cCSAus) | 5 A | Voltage size C (cCSAus) | 300 V |
| Voltage size D (cCSAus) | 600 V | Wire cross section max. (cCSAusX) | 12 AWG |
| Wire cross section min. (cCSAusX) | 26 AWG | | |

Conductors for clamping (additional connection)

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

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|--------------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, rated connection, max. | 4 mm ² |
| Clamping range, rated connection, min. | 0.13 mm ² | Connection direction | top |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Gauge to IEC 60947-1 | A2 |
| Number of connections | 4 | Stripping length | 10 mm |
| Type of connection | Tension clamp connection | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 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, max. | 4 mm ² |
| Wire connection cross section, solid core max. rated connection | 4 mm ² | Wire connection cross section, solid core, min. rated connection | 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, finely stranded, min. | 0.5 mm ² |

Rating data

| | | | |
|--|---------------------|---------------------------------|---|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Max. voltage of clamp support & pluggable system | 690 V | Rated current | 24 A |
| Current at maximum wires | 24 A | Standards | IEC 61984, In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 2.66 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Current size C (cURus) | 20 A |
| Current size D (cURus) | 5 A | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 | ETIM 6.0 | EC000897 |
| UNSPSC | 30-21-18-01 | eClass 5.1 | 27-14-11-18 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-26 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-20 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | 2.5 mm ² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. |
| Descriptive text accessories | ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer. |

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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1131_20160418_1134_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)**Safety note**

Safety notice

[Safety Information](#)

Data sheet

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Drawings

