

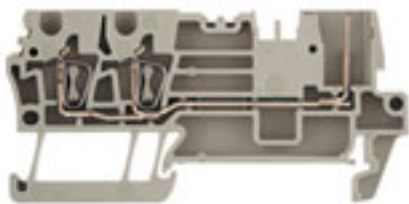
**ZT 2.5/3AN/1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****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**

|            |                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, dark beige |
| Order No.  | <a href="#">1815090000</a>                                                                                       |
| Type       | ZT 2.5/3AN/1                                                                                                     |
| GTIN (EAN) | 4032248370009                                                                                                    |
| Qty.       | 50 pc(s).                                                                                                        |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 34.5 mm    | Depth (inches) | 1.358 inch |
| Depth including DIN rail | 35 mm      | Height         | 71.5 mm    |
| Height (inches)          | 2.815 inch | Net weight     | 7.46 g     |
| Width                    | 5.1 mm     | Width (inches) | 0.201 inch |

## Temperatures

|                                  |                |                                  |     |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120            |                                  |     |

## Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## System specifications

|                               |                                                               |                                     |       |
|-------------------------------|---------------------------------------------------------------|-------------------------------------|-------|
| Version                       | 2 tension-clamp connections - 1 plug-in connection, pluggable | End cover plate required            | Yes   |
| Number of levels              | 1                                                             | Number of clamping points per level | 3     |
| Number of potentials per tier | 1                                                             | Levels cross-connected internally   | No    |
| PE connection                 | No                                                            | 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 <sup>2</sup> | Connection type, additional connection | Plug-in connection |
|---------------------------------------------------------------------------------------------|---------------------|----------------------------------------|--------------------|

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 3                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Type of connection 2                                                                    | Plug-in connection   | Wire connection cross section AWG, max.                                                 | AWG 26                   |
| Wire connection cross section AWG, min.                                                 | AWG 12               | Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>        |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

## General

|                                         |        |                                         |                                             |
|-----------------------------------------|--------|-----------------------------------------|---------------------------------------------|
| Rail                                    | TS 35  | Standards                               | IEC 61984, In accordance with IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 26 | Wire connection cross section AWG, min. | AWG 12                                      |

## Rating data

|                                             |                                             |                                                       |                     |
|---------------------------------------------|---------------------------------------------|-------------------------------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x | 0.77 W                                      | Rated cross-section                                   | 2.5 mm <sup>2</sup> |
| Rated voltage                               | 500 V                                       | Max. voltage of clamp support & amp; 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          | 1.33 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    | UL_current_Print                           | 20 A   |
| UL_voltage_Print                           | 300 V  | UL_wire_max_Print                          | 12 AWG |
| UL_wire_min_Print                          | 26 AWG | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 V  |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search E60693

**Downloads**

|                                             |                                                                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                              |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                          |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                   |

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## Drawings

