

**Z-series  
ZP 2.5/1AN/QV/8****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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       | ZP 2.5/1AN/QV/8  |
| Order No.  | <a href="#">1815260000</a>                               |
| Version    | Z-series, Plug-in connector, Dark Beige, Direct mounting |
| GTIN (EAN) | 4032248342549  |
| Qty.       | 20 pc(s).  |

**Z-series**  
**ZP 2.5/1AN/QV/8**

**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**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 40.8 mm | Width (inches)  | 1.606 inch |
| Height     | 23 mm   | Height (inches) | 0.906 inch |
| Depth      | 41 mm   | Depth (inches)  | 1.614 inch |
| Net weight | 30.2 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                           | Set of connectors, Cross-connector, pluggable, Tension-clamp connection | End cover plate required         | No |
| Number of levels                  | 1   | No. of clamping points per level | 1  |
| Levels cross-connected internally | No  | PE connection                    | No |
| Mounting rail                     | none  |                                  |    |

**Additional technical data**

|                     |                 |            |        |
|---------------------|-----------------|------------|--------|
| Installation advice | Direct mounting | Open sides | closed |
| Type of mounting    | Plugged         |            |        |

**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 (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   | 8                   |
| Stripping length  | 10 mm                | Type of connection  | 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, finely stranded, 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> |

## Data sheet

### Z-series ZP 2.5/1AN/QV/8

**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

### Rating data

|  |                     |  |       |
|--|---------------------|--|-------|
| Rated cross-section                                  | 2.5 mm <sup>2</sup> | Rated voltage                                    | 500 V |
| Rated voltage to adjoining terminal                  | 500 V               | Max. voltage of clamp support & pluggable system | 690 V |
| Rated current  | 24 A                | Current at maximum wires                         | 24 A  |
| Volume resistance according to IEC 60947-7-x         | 10.64 mΩ            | Rated impulse withstand voltage                  | 6 kV  |
| Rated impulse withstand voltage to adjacent terminal | 6 kV                |  |       |

### 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 5.0   | EC000491    | ETIM 6.0   | EC002848    |
| UNSPSC     | 30-21-18-01 | eClass 6.2 | 27-14-92-14 |
| eClass 7.1 | 27-14-03-05 | eClass 8.1 | 27-14-11-51 |
| eClass 9.0 | 27-14-11-51 | eClass 9.1 | 27-14-11-92 |

### Product information

Descriptive text technical data 2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

### Approvals

Approvals



ROHS Conform

### Downloads

|                    |  |
|--------------------|--|
| Brochure/Catalogue | <a href="#">CAT 1 TERM 16/17 EN</a>      |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a> |
| Engineering Data   | <a href="#">STEP</a>                     |