

**Z-series, WeiCoS  
ZP 2.5/1AN/7**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)



One terminal strip for the functional unit, one plug-in connector for the cable loom fabrication. All that remains to be done is to clip the two units together during final assembly – just like a plug-in connector. Finished! Whether for railway engineering, mechanical engineering or shipbuilding applications, all are served excellently by the products of the Weidmüller Z-Series. This is because the products are easy to use and practical, and the connections are simple, reliable and quick. Modular and flexible connection systems are especially in demand where complete functional units have to be prefabricated or replaced.

**General ordering data**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Type       | ZP 2.5/1AN/7                                                            |
| Order No.  | <a href="#">1815530000</a>                                              |
| Version    | Z-series, WeiCoS, Plug-in connector, Wemid, Dark Beige, Direct mounting |
| GTIN (EAN) | 4032248342594                                                           |
| Qty.       | 25 pc(s).                                                               |

**Z-series, WeiCoS  
ZP 2.5/1AN/7**

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

**Technische Daten**
**Dimensions and weights**

|                          |       |            |        |
|--------------------------|-------|------------|--------|
| Length                   | 16 mm | Width      | 35 mm  |
| Height of lowest version | 41 mm | Net weight | 22.2 g |

**Temperatures**

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

**Additional technical data**

|                     |                 |            |                                             |
|---------------------|-----------------|------------|---------------------------------------------|
| Installation advice | Direct mounting | Open sides | closed                                      |
| Type of mounting    | Plugged         | Version    | Plug-in connector, Tension-clamp connection |

**Clampable wires (rated connection)**

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

**Rated data**

|                                                      |                     |                                                  |                          |
|------------------------------------------------------|---------------------|--------------------------------------------------|--------------------------|
| Rated cross-section                                  | 2.5 mm <sup>2</sup> | Rated voltage                                    | 500 V                    |
| Rated voltage to adjoining terminal                  | 500 V               | Rated impulse withstand voltage                  | 6 kV                     |
| Rated impulse withstand voltage to adjacent terminal | 6 kV                | Rated current                                    | 24 A                     |
| Current at maximum wires                             | 24 A                | Standards                                        | IEC 60947-7-1, IEC 61984 |
| Pollution severity                                   | 3                   | Max. voltage of clamp support & pluggable system | 690 V                    |

**UL ratings 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  |                                            |        |

## Z-series, WeiCoS ZP 2.5/1AN/7

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

## Technische Daten

### Material data

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

### System specifications

|                          |                  |                                   |                    |
|--------------------------|------------------|-----------------------------------|--------------------|
| Product family           | Z-series, WeiCoS | Type of connection                | Plug-in connection |
| Connection direction     | top              | Levels cross-connected internally | No                 |
| End cover plate required | No               |                                   |                    |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| UNSPSC     | 30-21-18-01 | eClass 6.2 | 27-14-92-14 |
| eClass 7.1 | 27-14-03-05 |            |             |

### 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 |
|------|---------|