

**Z-series, WeiCoS  
ZPS 2.5/1AN/QV/1 GN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

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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**

|            |                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">1865890000</a>                                                                                  |
| Type       | ZPS 2.5/1AN/QV/1 GN                                                                                         |
| Version    | Z-series, WeiCoS, Coupling, Rated cross-section: 2.5 mm², Plug-in connection, Wemid, Green, Direct mounting |
| GTIN (EAN) | 4032248505296                                                                                               |
| Qty.       | 50 pc(s).                                                                                                   |

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**Technical data**
**Dimensions and weights**

|        |       |            |        |
|--------|-------|------------|--------|
| Length | 41 mm | Width      | 5.1 mm |
| Height | 42 mm | Net weight | 5.24 g |

**Temperatures**

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

**Additional technical data**

|                          |                 |                     |                                                  |
|--------------------------|-----------------|---------------------|--------------------------------------------------|
| Explosion-tested version | No              | Installation advice | Direct mounting                                  |
| Type of mounting         | Direct mounting | Version             | Coupling, pluggable,<br>Tension-clamp connection |

**CSA ratings data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1720292 | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V          | Current size C (CSA)          | 20 A   |
| Current size D (CSA)          | 5 A            | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**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>  | Wire connection cross section AWG, min.                                                                   | AWG 26              |
| Wire connection cross section AWG, max.                                                                   | AWG 12               |                                                                                                           |                     |

**Dimensions**

|              |         |
|--------------|---------|
| TS 35 offset | 44.5 mm |
|--------------|---------|

**Rated data**

|                                 |                     |               |                          |
|---------------------------------|---------------------|---------------|--------------------------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage | 500 V                    |
| Rated impulse withstand voltage | 6 kV                | Rated current | 24 A                     |
| Current at maximum wires        | 24 A                | Standards     | IEC 60947-7-1, IEC 61984 |
| Pollution severity              | 3                   |               |                          |

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## Technical data

### UL ratings data

|                                            |                 |                                            |        |
|--------------------------------------------|-----------------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693VOL1SEC76 | 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)                     | 24 A   |
| Current size D (cURus)                     | 5 A             | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 V           |                                            |        |

### Material data

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

### System specifications

|                                  |                  |                                   |                    |
|----------------------------------|------------------|-----------------------------------|--------------------|
| Product family                   | Z-series, WeiCoS | Type of connection                | Plug-in connection |
| Connection direction             | top              | Number of levels                  | 1                  |
| No. of clamping points per level | 1                | Levels cross-connected internally | No                 |
| Mounting rail                    | TS 35            | End cover plate required          | No                 |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC002021    | UNSPSC     | 30-21-18-01 |
| eClass 6.2 | 27-14-92-14 | eClass 7.1 | 27-14-92-14 |

### Product information

|                                 |                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Descriptive text technical data | CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A                                                      |
| Descriptive text accessories    | 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