

**ZP 2.5/1AN/8****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

**General ordering data**

|            |                                                          |
|------------|----------------------------------------------------------|
| Version    | Z-series, Plug-in connector, dark beige, Direct mounting |
| Order No.  | <a href="#">1815540000</a>                               |
| Type       | ZP 2.5/1AN/8                                             |
| GTIN (EAN) | 4032248342600                                            |
| Qty.       | 20 pc(s).                                                |

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 41 mm   | Depth (inches)  | 1.614 inch |
| Height     | 16 mm   | Height (inches) | 0.63 inch  |
| Width      | 40.8 mm | Width (inches)  | 1.606 inch |
| Net weight | 25.75 g |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | 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                           | Plug-in connector, Tension-clamp connection | End cover plate required            | No |
| Number of levels                  | 1                                           | Number of clamping points per level | 1  |
| Levels cross-connected internally | No                                          | PE connection                       | No |

**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                |

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## Technical data

|                                                                                         |                                        |         |                      |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 6 mm                 |
|                                                                                         |                                        | max.    | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        | min.    | 6 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | min.    | 6 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 8 mm                 |
|                                                                                         |                                        | max.    | 12 mm                |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Cross-section for conductor connection | nominal | 0.5 mm <sup>2</sup>  |
|                                                                                         |                                        | nominal | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 0.75 mm <sup>2</sup> |
|                                                                                         |                                        | nominal | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1 mm <sup>2</sup>    |
|                                                                                         |                                        | nominal | 10 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 1.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         |                                        | max.    | 12 mm                |
|                                                                                         | Cross-section for conductor connection | nominal | 2.5 mm <sup>2</sup>  |
|                                                                                         |                                        | min.    | 10 mm                |
|                                                                                         |                                        | max.    | 12 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, min.                                    | 0.5 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

|                                         |                                  |                                         |        |
|-----------------------------------------|----------------------------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting                  | Number of poles                         | 8      |
| Standards                               | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 26 |
| Wire connection cross section AWG, min. | AWG 12                           |                                         |        |

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## 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    |
| Standards                                   | In accordance with IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x         | 1.33 mΩ |
| Rated impulse withstand voltage             | 6 kV                             | Rated impulse withstand voltage to adjacent terminal | 6 kV    |
| Power loss in accordance with IEC 60947-7-x | 0.77 W                           | 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 6.0    | EC002848    | ETIM 7.0    | EC002848    |
| ETIM 8.0    | EC002848    | ECLASS 9.0  | 27-14-11-92 |
| ECLASS 9.1  | 27-14-11-92 | ECLASS 10.0 | 27-14-11-92 |
| ECLASS 11.0 | 27-14-11-92 | ECLASS 12.0 | 27-14-11-92 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | 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> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                |
| Brochures                                   |                                                                                                                                         |

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