

ZP 2.5/1AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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. | 1815500000 |
| Type | ZP 2.5/1AN/4 |
| GTIN (EAN) | 4032248370276 |
| Qty. | 25 pc(s). |

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Catalogue status 03.02.2023 / We reserve the right to make technical changes.

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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 | 20.4 mm | Width (inches) | 0.803 inch |
| Net weight | 11.56 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 ² |
| Clamping range, min. | 0.13 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A2 |
| Number of connections | 4 |
| 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 ² | |
| | | min. | 6 mm | |
| | | max. | 10 mm | |
| | Cross-section for conductor connection | nominal | 0.75 mm ² | |
| | | min. | 6 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 1 mm ² | |
| | | min. | 6 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 1.5 mm ² | |
| | | min. | 8 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 2.5 mm ² | |
| | | 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 ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 0.75 mm ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 1 mm ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 1.5 mm ² | |
| | | min. | 10 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 2.5 mm ² | |
| | | 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 ² | | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | | |

General

| | | | |
|---|----------------------------------|---|--------|
| Installation advice | Direct mounting | Number of poles | 4 |
| 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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Rating data

| | | | |
|---|----------------------------------|---|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Max. voltage of clamp support & amp; 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 | EAC certificate DNVGL certificate CB Testreport CB Certificate |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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