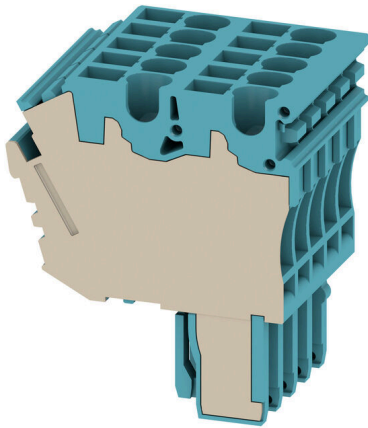


ZP 2.5/2AN/QV/5 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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, Direct mounting |
| Order No. | 2702470000 |
| Type | ZP 2.5/2AN/QV/5 BL |
| GTIN (EAN) | 4050118711424 |
| Qty. | 20 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 41 mm | Depth (inches) | 1.6142 inch |
| Height | 37 mm | Height (inches) | 1.4567 inch |
| Width | 25 mm | Width (inches) | 0.9842 inch |
| Net weight | 27.4 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|------|
| Basic material | Wemid | Colour | blue |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-----------------------------------|----|
| Version | Set of connectors, Cross-connector, pluggable, 2-conductor connection, Tension-clamp connection | End cover plate required | No |
| Number of potentials | 5 | Number of levels | 1 |
| Number of clamping points per level | 2 | Levels cross-connected internally | No |
| PE connection | No | | |

Additional technical data

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

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|----------------------|
| Gauge to IEC 60947-1 | A2 | Wire connection cross section AWG, max. | AWG 26 |
| Connection direction | top | Stripping length | 10 mm |
| Type of connection | Plug-in connection | Number of connections | 10 |
| Clamping range, max. | 4 mm ² | Clamping range, min. | 0.13 mm ² |
| Blade size | 0.6 x 3.5 mm | Wire connection cross section AWG, min. | AWG 12 |
| 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. | 0.13 mm ² |

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| | | | |
|---|----------------------|---|----------------------|
| 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. | 0.13 mm ² |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross section, finely stranded, min. | 0.13 mm ² |
| Connection cross-section, stranded, min. | 0.13 mm ² | Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |

General

| | | | |
|---------------------|----------------------------------|---|--------|
| Number of poles | 5 | Wire connection cross section AWG, max. | AWG 26 |
| Installation advice | Direct mounting | Wire connection cross section AWG, min. | AWG 12 |
| Standards | In accordance with IEC 60947-7-1 | | |

Rating data

| | | | |
|---|----------------------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 500 V |
| Nominal 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 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002848 | ETIM 9.0 | EC002848 |
| ETIM 10.0 | EC002848 | ECLASS 14.0 | 27-25-03-90 |
| ECLASS 15.0 | 27-25-03-90 | | |