

**ZPS 2.5/1AN/QV/2****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Coupling, Rated cross-section: 2.5 mm <sup>2</sup> , Plug-in connection, beige, Direct mounting |
| Order No.  | <a href="#">1865900000</a>                                                                                |
| Type       | ZPS 2.5/1AN/QV/2                                                                                          |
| GTIN (EAN) | 4032248499243                                                                                             |
| Qty.       | 20 pc(s).                                                                                                 |

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

|                |          |                 |            |
|----------------|----------|-----------------|------------|
| Depth          | 42 mm    | Depth (inches)  | 1.654 inch |
| Height         | 22.55 mm | Height (inches) | 0.888 inch |
| Net weight     | 8.8 g    | Width           | 12.7 mm    |
| Width (inches) | 0.5 inch |                 |            |

**Temperatures**

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

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                     |                                                        |                                   |    |
|-------------------------------------|--------------------------------------------------------|-----------------------------------|----|
| Version                             | Plug-in connector, pluggable, Tension-clamp connection | 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 | Type of mounting | Plugged |
|---------------------|-----------------|------------------|---------|

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1720292 | Current size C (CSA)          | 20 A   |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 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                                                                   | 2                   |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Plug-in connection  |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 4 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, solid core, max.                                         | 4 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, min.                                         | 0.13 mm <sup>2</sup> |                                                                                         |                     |

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## Technical data

## General

|                                         |                          |                                         |        |
|-----------------------------------------|--------------------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting          | Number of poles                         | 2      |
| Standards                               | IEC 60947-7-1, IEC 61984 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26                   |                                         |        |

## Rating data

|                                              |         |                                 |                          |
|----------------------------------------------|---------|---------------------------------|--------------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | Rated cross-section             | 2.5 mm <sup>2</sup>      |
| Rated voltage                                | 500 V   | Rated current                   | 24 A                     |
| Current at maximum wires                     | 24 A    | Standards                       | IEC 60947-7-1, IEC 61984 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 kV                     |
| 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)                     | 24 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    |
| 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|                                             |                                                                      |
|---------------------------------------------|----------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                         |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                      |