

**ZP 2.5/1AN/8 GN/BE****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, Plug-in connector, beige, Direct mounting |
| Order No.  | <a href="#">1867150000</a>                          |
| Type       | ZP 2.5/1AN/8 GN/BE                                  |
| GTIN (EAN) | 4032248475674                                       |
| 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  |
| Net weight     | 26 g       | Width           | 40.8 mm    |
| Width (inches) | 1.606 inch |                 |            |

## Temperatures

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

## Material data

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

## System specifications

|                                   |                                                        |                                     |     |
|-----------------------------------|--------------------------------------------------------|-------------------------------------|-----|
| Version                           | Set of connectors, pluggable, 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                       | Yes |

## 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                | 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 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.                                         | 0.5 mm <sup>2</sup>  |                                                                                         |                     |

## Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 80.5 mm |
|--------------|---------|

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## Technical data

### General

|                                         |                 |                                         |        |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting | Number of poles                         | 8      |
| Wire connection cross section AWG, max. | AWG 26          | Wire connection cross section AWG, min. | AWG 12 |

### 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 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   | 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                |

### 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    |
| 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><br><a href="#">CB Testreport</a><br><a href="#">CB Certificate</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                         |