

**ZVL 1.5/PE GN/GE BED****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

**General ordering data**

|            |                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|
| Version    | Plug-in connector, Tension-clamp connection, 1.5 mm <sup>2</sup> , Distribution strip, dark beige, yellow, green |
| Order No.  | <a href="#">1651970000</a>                                                                                       |
| Type       | ZVL 1.5/PE GN/GE BED                                                                                             |
| GTIN (EAN) | 4008190401627                                                                                                    |
| Qty.       | 100 pc(s).                                                                                                       |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 17.45 mm | Depth (inches)  | 0.687 inch |
| Height     | 12.9 mm  | Height (inches) | 0.508 inch |
| Width      | 5.08 mm  | Width (inches)  | 0.2 inch   |
| Net weight | 1.258 g  |                 |            |

**Temperatures**

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

**Material data**

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

**System specifications**

|                                   |                    |                                     |     |
|-----------------------------------|--------------------|-------------------------------------|-----|
| Version                           | Distribution strip | End cover plate required            | Yes |
| Number of levels                  | 1                  | Number of clamping points per level | 1   |
| Levels cross-connected internally | No                 | PE connection                       | No  |

**Additional technical data**

|                          |         |            |       |
|--------------------------|---------|------------|-------|
| Explosion-tested version | No      | Open sides | right |
| Type of mounting         | Plugged |            |       |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1068678 | Current size B (CSA)          | 10 A   |
| Current size D (CSA)          | 10 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (additional connection)**

|                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|---------------------|

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 2.5 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                                                                   | 1                        |
| Stripping length                                                                        | 7 mm                 | Twin wire-end ferrules, max.                                                            | 0.75 mm <sup>2</sup>     |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 14               | Wire connection cross section AWG, min.                                                 | AWG 26                   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 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. | 1.5 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.                                         | 2.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

## Dimensions

|              |       |
|--------------|-------|
| TS 35 offset | 10 mm |
|--------------|-------|

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Number of poles                         | 1      | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 14 | Wire connection cross section AWG, min. | AWG 26        |

## Rating data

|                                              |                     |                                 |               |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 1.5 mm <sup>2</sup> | Rated voltage                   | 250 V         |
| Rated current                                | 17.5 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ             | Rated impulse withstand voltage | 4 kV          |
| Power loss in accordance with IEC 60947-7-x  | 0.56 W              | Pollution severity              | 3             |

## UL rating data

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 14 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 14 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size D (UR)                     | 10 A   |
| Voltage size D (UR)                     | 300 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 |             |             |

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## Technical data

### Approvals

Approvals



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

### Downloads

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| Engineering Data   | <a href="#">STEP</a>                                                                     |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                 |
| User Documentation | <a href="#">Beipackzettel_ZIA.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a> |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>                                                 |
| Brochures          |                                                                                          |