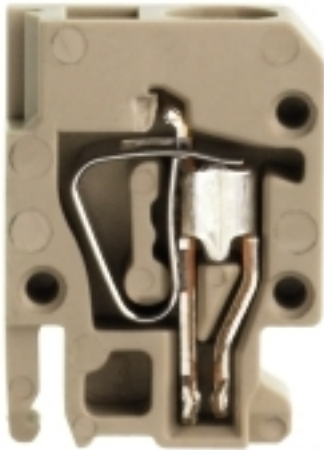


**ZVL 1.5 INV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

For the connection of the conductors and the distribution or cross-connection of the potential on the sensor and actuator terminal blocks ZIA, the distributor plugs can be used. The plugs can be easily connected to each other and plugged into the ZIA terminal blocks. Depending on the design of the plugs, the potential is cross-connected between the plugs.

**General ordering data**

|            |   |
|------------|---|
| Version    | Plug-in connector, Tension-clamp connection, 1.5 mm <sup>2</sup> , Distribution strip, dark beige |
| Order No.  | <a href="#">1714680000</a>  |
| Type       | ZVL 1.5 INV   |
| GTIN (EAN) | 4008190334451   |
| Qty.       | 20 pc(s).   |

## ZVL 1.5 INV

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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 | 1.3 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                           | 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 |            |       |

## Conductors for clamping (additional connection)

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

## 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. | 1.5 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 |
|--------------|-------|

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## Technical data

## 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 DC 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                   |  |         |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002848    | ETIM 7.0    | EC002848    |
| ETIM 8.0    | EC002848    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-03-90 |

## Environmental Product Compliance

REACH SVHC /

## Approvals

Approvals



ROHS Conform

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>                             |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">Beipackzettel_ZIA.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

## ZVL 1.5 INV

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## Accessories

## Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

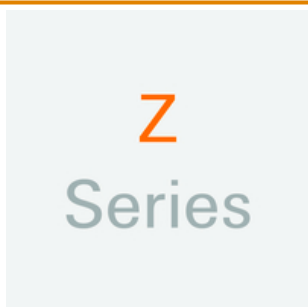
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | DEK 5/5 MC SDR             | Version   |
| Order No.  | <a href="#">1609810000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190456597              | Weidmueller, To customer specification                    |
| Qty.       | 200 pc(s).                 |   |

## Z-Series



The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

## General ordering data

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | ZRH 1.5N/1                 | Version                   |
| Order No.  | <a href="#">1632140000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487355              |                           |
| Qty.       | 1,000 pc(s).               |                           |

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | ZRH 1.5N/2                 | Version                   |
| Order No.  | <a href="#">1632130000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487348              |                           |
| Qty.       | 1,000 pc(s).               |                           |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 pc(s).                   |                          |

**Distribution plugs**

For the connection of the conductors and the distribution or cross-connection of the potential on the sensor and actuator terminal blocks ZIA, the distributor plugs can be used. The plugs can be easily connected to each other and plugged into the ZIA terminal blocks. Depending on the design of the plugs, the potential is cross-connected between the plugs.

**General ordering data**

|            |                            |                         |
|------------|----------------------------|-------------------------|
| Type       | BZT ZVL1.5                 | Version                 |
| Order No.  | <a href="#">1676610000</a> | Z-series, Marker holder |
| GTIN (EAN) | 4008190460037              |                         |
| Qty.       | 100 pc(s).                 |                         |
| Type       | BZT ZVL1.5/O.ZA            | Version                 |
| Order No.  | <a href="#">1676620000</a> | Z-series, Marker holder |
| GTIN (EAN) | 4008190460020              |                         |
| Qty.       | 100 pc(s).                 |                         |