

**ZVL 1.5 BL****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany[www.weidmueller.com](http://www.weidmueller.com)**Product image**

The modular ZIA distribution system for simple signal wiring is based on stackable individual modules with proven tension spring connection technology. Thanks to the integrated cross-connection and the combination of socket and pin contacts, variable distribution strips can be flexibly assembled. The base elements are simply snapped onto TS35 DIN rails and are available in various designs for 3- and 4-wire connections. This allows the system to be configured individually and tailored to the specific application.

**General ordering data**

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| Version    | Plug-in connector, Tension-clamp connection, 1.5 mm <sup>2</sup> , Distribution strip, blue |
| Order No.  | <a href="#">1650360000</a>                                                                  |
| Type       | ZVL 1.5 BL                                                                                  |
| GTIN (EAN) | 4008190297541                                                                               |
| Qty.       | 100 items                                                                                   |

## ZVL 1.5 BL

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## Technical data

## Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 17.45 mm | Depth (inches)  | 0.687 inch  |
| Height     | 12.9 mm  | Height (inches) | 0.5079 inch |
| Width      | 5.08 mm  | Width (inches)  | 0.2 inch    |
| Net weight | 1.26 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                             | Distribution strip | End cover plate required          | Yes |
| Number of potentials                | 1                  | Number of levels                  | 1   |
| Number of clamping points per level | 1                  | Levels cross-connected internally | No  |
| PE connection                       | No                 |                                   |     |

## Additional technical data

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

## CSA rating data

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

|                                                                                         |                          |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------|----------------------|
| Gauge to IEC 60947-1                                                                    | A2                       | Wire connection cross section AWG, max.                                                 | AWG 14               |
| Connection direction                                                                    | top                      | Stripping length                                                                        | 7 mm                 |
| Type of connection                                                                      | Tension-clamp connection | Number of connections                                                                   | 1                    |
| Clamping range, max.                                                                    | 2.5 mm <sup>2</sup>      | Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> |
| Blade size                                                                              | 0.6 x 3.5 mm             | Wire connection cross section AWG, min.                                                 | AWG 26               |
| 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. | 0.13 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. | 0.13 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>      | Wire connection cross section, finely stranded, min.                                    | 0.13 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 0.13 mm <sup>2</sup>     | Twin wire-end ferrules, max.                                                            | 0.75 mm <sup>2</sup> |
| Twin wire-end ferrules, 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.                                         | 0.13 mm <sup>2</sup>     |                                                                                         |                      |

## Dimensions

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

## General

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

## Rating data

|                                 |                     |                                              |         |
|---------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section             | 1.5 mm <sup>2</sup> | Rated voltage                                | 250 V   |
| Rated DC voltage                | 250 V               | Nominal 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

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

## 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 |             |             |

## Accessories

### Reducing sleeves



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.       | 1000 ST                    |                           |
| Type       | ZRH 1.5N/2                 | Version                   |
| Order No.  | <a href="#">1632130000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487348              |                           |
| Qty.       | 1000 ST                    |                           |

### Slotted screwdriver

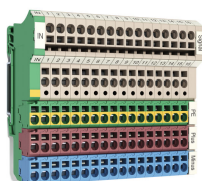


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

### General ordering data

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

### System ZIA



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## Accessories

## General ordering data

|            |                            |                         |
|------------|----------------------------|-------------------------|
| Type       | BZT ZVL 1.5                | Version                 |
| Order No.  | <a href="#">1676610000</a> | Z-series, Marker holder |
| GTIN (EAN) | 4008190460037              |                         |
| Qty.       | 100 ST                     |                         |
| Type       | BZT ZVL 1.5/O.ZA           | Version                 |
| Order No.  | <a href="#">1676620000</a> | Z-series, Marker holder |
| GTIN (EAN) | 4008190460020              |                         |
| Qty.       | 100 ST                     |                         |

## 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 ST                     |                                                           |