

**ZVL 1.5 INV BR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 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, brown
Order No.	<a href="#">1714700000</a>
Type	ZVL 1.5 INV BR
GTIN (EAN)	4008190334475
Qty.	20 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## 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	1.1 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	brown
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		

## 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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## 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>

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## Technical data

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
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## 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		

## 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		

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## 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

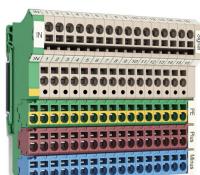


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## 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



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.

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## Accessories

## General ordering data

Type	BZT ZVL1.5	Version
Order No.	<a href="#">1676610000</a>	Z-series, Marker holder
GTIN (EAN)	4008190460037	
Qty.	100 ST	
Type	BZT ZVL1.5/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	Weidmüller, To customer specification
Qty.	200 ST	