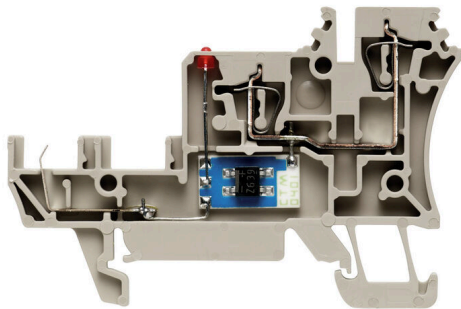


**ZIA 1.5/3L-1S/LD-RT**

**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	Initiator/actuator terminal, Tension-clamp connection, 1.5 mm <sup>2</sup> , Flange-mounted housing, Tension-clamp connection, with LED, pluggable, Red LED
Order No.	<a href="#">1651990000</a>
Type	ZIA 1.5/3L-1S/LD-RT
GTIN (EAN)	4008190401641
Qty.	50 items

## ZIA 1.5/3L-1S/LD-RT

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.7913 inch
Depth including DIN rail	46 mm	Height	68.5 mm
Height (inches)	2.6968 inch	Width	5.08 mm
Width (inches)	0.2 inch	Net weight	6.27 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	dark beige
UL 94 flammability rating	V-0		

## System specifications

Version	Flange-mounted housing, Tension-clamp connection, with LED, pluggable	End cover plate required	Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on	Electronic component	red LED

## 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		

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**Technical data**

**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)**

Gauge to IEC 60947-1	A1	Wire connection cross section AWG, max.	AWG 14
Connection direction	top	Stripping length	7 mm
Type of connection 2	Tension-clamp connection	Type of connection	Tension-clamp connection
Number of connections	2	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, max.	1.5 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>	Connection cross-section, finely stranded, min.	0.13 mm <sup>2</sup>

**Dimensions**

TS 35 offset 32.5 mm

**General**

Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
Standards	In accordance with IEC 60947-7-1	Mounting rail	TS 35

**Rating data**

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage	30 V
Rated DC voltage	30 V	Nominal current	17.5 A
Current at maximum wires	17.5 A	Standards	In accordance with 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	Conductor size Factory wiring min. (UR)	26 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	26 AWG
Conductor size Field wiring max. (UR)	14 AWG		

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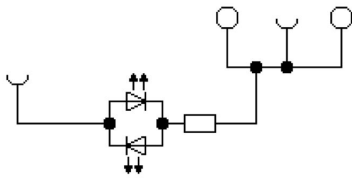
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## Technical data

### Classifications

ETIM 8.0	EC000900	ETIM 9.0	EC000900
ETIM 10.0	EC000900	ECLASS 14.0	27-25-01-12
ECLASS 15.0	27-25-01-12		

**Wiring diagram**



## ZIA 1.5/3L-1S/LD-RT

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## Accessories

## Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

## General ordering data

Type	ZQV 2.5/2	Version
Order No.	<a href="#">1608860000</a>	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190123680	
Qty.	60 ST	
Type	ZQV 2.5/3	Version
Order No.	<a href="#">1608870000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061630	
Qty.	60 ST	
Type	ZQV 2.5/4	Version
Order No.	<a href="#">1608880000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190082208	
Qty.	60 ST	
Type	ZQV 2.5/5	Version
Order No.	<a href="#">1608890000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190065713	
Qty.	20 ST	
Type	ZQV 2.5/6	Version
Order No.	<a href="#">1608900000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190149840	
Qty.	20 ST	
Type	ZQV 2.5/7	Version
Order No.	<a href="#">1608910000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190159665	
Qty.	20 ST	
Type	ZQV 2.5/8	Version
Order No.	<a href="#">1608920000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190061531	
Qty.	20 ST	
Type	ZQV 2.5/9	Version
Order No.	<a href="#">1608930000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190117009	
Qty.	20 ST	
Type	ZQV 2.5/10	Version
Order No.	<a href="#">1608940000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190099060	
Qty.	20 ST	
Type	ZQV 2.5/20	Version
Order No.	<a href="#">1908960000</a>	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535293	
Qty.	20 ST	

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## Accessories

Type	ZQV 2.5/50	Version	
Order No.	<a href="#">1697540000</a>	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190883256		
Qty.	10 ST		

### End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

#### General ordering data

Type	ZAP/TW ZIA 1.5/3L	Version	
Order No.	<a href="#">1649540000</a>	Z-series, End plate, Partition plate	
GTIN (EAN)	4008190295165		
Qty.	50 ST		

### 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		

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## Accessories

## Blank



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 NE WS	Version	
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
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 0.4X2.0X60	Version	
Order No.	<a href="#">2749260000</a>	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm	
GTIN (EAN)	4050118895537		
Qty.	1 ST		