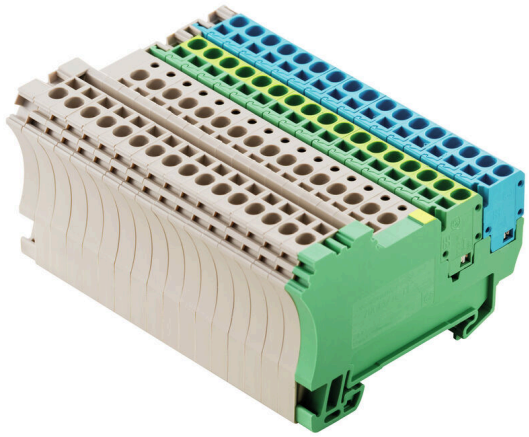
Data sheet

# ZIA 1.5/3L-PE/16/KB

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

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 mm², Number of poles: 16 |
| Order No. | 1692660000 |
| Type | ZIA 1.5/3L-PE/16/KB |
| GTIN (EAN) | 4008190870379 |
| Qty. | 2 items |

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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 | 68.1 mm |
| Height (inches) | 2.6811 inch | Width | 91.4 mm |
| Width (inches) | 3.5984 inch | Net weight | 147.79 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

| | | | |
|---|---|---|---|
| End cover plate required | No | Number of potentials | 16 |
| Number of levels | 1 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | Yes |
| Mounting rail | TS 35 | | |

### Additional technical data

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

### 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 mm² |

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# Technical data

### 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 | 66 | Clamping range, max. | 2.5 mm² |
| Clamping range, min. | 0.13 mm² | 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 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm² | Wire connection cross section, finely stranded, max. | 2.5 mm² |
| Wire connection cross section, finely stranded, min. | 0.13 mm² | Connection cross-section, stranded, max. | 1.5 mm² |
| Connection cross-section, stranded, min. | 0.13 mm² | Twin wire-end ferrules, max. | 0.75 mm² |
| Twin wire-end ferrules, min. | 0.5 mm² | Wire connection cross-section, solid core, max. | 2.5 mm² |
| Wire connection cross-section, solid core, min. | 0.13 mm² | Connection cross-section, finely stranded, min. | 0.13 mm² |

### Dimensions

| | |
|---|---|
| TS 35 offset | 40.5 mm |

### General

| | | | |
|---|---|---|---|
| Number of poles | 16 | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section AWG, min. | AWG 26 | Standards | In accordance with IEC 60947-7-1, IEC 60947-7-2 |
| Mounting rail | TS 35 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 1.5 mm² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Nominal current | 17.5 A |
| Current at maximum wires | 17.5 A | Standards | In accordance with IEC 60947-7-1, IEC 60947-7-2 |
| 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 | EC000900 | ETIM 9.0 | EC000900 |
| ETIM 10.0 | EC000900 | ECLASS 14.0 | 27-25-01-12 |
| ECLASS 15.0 | 27-25-01-12 | | |

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## Drawings

