

RS 16IO 2W I-L 2H S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

The digital direct input/output interfaces are supplied with flat cable connectors to facilitate connection. They are available in tension clamp or clamping yoke connection, with elements such as fuses, disconnectors or LEDs.

General ordering data

| | |
|------------|--|
| Version | Interface, RS, Spacer, LED, 2-wire, Screw connection |
| Order No. | 1431700000 |
| Type | RS 16IO 2W I-L 2H S |
| GTIN (EAN) | 4050118236934 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 79 mm | Depth (inches) | 3.11 inch |
| Height | 109 mm | Height (inches) | 4.291 inch |
| Width | 91 mm | Width (inches) | 3.583 inch |
| Net weight | 277.3 g | | |

Temperatures

| | | | |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...60 °C | Operating temperature | -25...50 °C |
|---------------------|-------------|-----------------------|-------------|

General data

| | | | |
|----------------------------------|---|---------------------------|--------|
| LED status display per channel | green | Disconnection per channel | Yes |
| Type of test point | No | Fuse per channel | No |
| LED status of the supply voltage | yellow | Power supply fuse | 3.15 A |
| Common pole polarity | Positive or negative can be selected using jumper | | |

Connection data

| | | | |
|--------------------------------|--------------|----------------------------|---|
| Connection (field side) | LL2N 5.08 mm | Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN41651 |
| Number of poles (control side) | 20-pole plug | Wiring system | 2-wire |

Ratings data

| | | | |
|-------------------------|-------------------|--------------------------|-----|
| Operating voltage | 24 V DC \pm 10% | Max. current per channel | 1 A |
| Total operating current | 2 A | | |

Insulation coordination (EN50178)

| | | | |
|-------------------------------------|--------------|----------------------------|-----------|
| According to | DIN EN 50178 | Rated insulation voltage | < 50 V AC |
| Surge voltage category | III | Pollution severity level | 2 |
| Pulse voltage test (1,2/50 μ s) | 0.8 kV | Insulation test voltage AC | 0.35 kV |

Connection field

| | | | |
|----------------------------------|---------------------|------------------------------|----------------------|
| Clamping range, max. | 6 mm ² | Clamping range, min. | 0.13 mm ² |
| Flexible with sleeve, max. | 2.5 mm ² | Flexible with sleeve, min. | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Max. wire cross-section, AWG | AWG 12 | Min. wire cross-section, AWG | AWG 26 |
| Sleeve with plastic collar, max. | 2.5 mm ² | Solid, max. H05(07) V-U | 6 mm ² |
| Solid, min. H05(07) V-U | 0.5 mm ² | Stripping length | 6 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.5 Nm |
| Type of connection | Screw connection | | |

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Supply connection

| | | | |
|------------------------------|---------------------|-----------------------------------|----------------------|
| Type of connection | Screw connection | Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 6 mm ² | Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 6 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² | Flexible with sleeve, max. | 2.5 mm ² |
| Flexible with sleeve, min. | 0.5 mm ² | Ferrule with plastic collar, max. | 2.5 mm ² |
| Wire cross-section, min. AWG | AWG 26 | Wire cross-section, max. AWG | AWG 12 |
| Tightening torque, min. | 0.5 Nm | Tightening torque, max. | 0.6 Nm |
| Stripping length | 6 mm | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002780 | ETIM 7.0 | EC002780 |
| ETIM 8.0 | EC002780 | ETIM 9.0 | EC002780 |
| ECLASS 9.0 | 27-14-11-52 | ECLASS 9.1 | 27-24-22-16 |
| ECLASS 10.0 | 27-14-11-52 | ECLASS 11.0 | 27-14-11-52 |
| ECLASS 12.0 | 27-14-11-52 | ECLASS 13.0 | 27-14-11-52 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 7b5ffb72-271d-4c73-8b09-bd0aaee3697a |

Approvals

Approvals



| | |
|-----------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E141197 |

Downloads

| | |
|-----------------------------|---|
| Product Change Notification | 20220525 Technical change to RS and RSM |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

