# RSD 12 LP/LP

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

www.weidmueller.com

Similar to illustration

Interfaces with diodes for surge voltage protection, lamp testing or protection against reversed polarity.

## General ordering data

| | |
|---|---|
| Version | Interface, RSD, Free diode, Screw connection |
| Order No. | 0181461001 |
| Type | RSD 12 LP/LP |
| GTIN (EAN) | 4032248047406 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 42 mm | Depth (inches) | 1.654 inch |
| Height | 70 mm | Height (inches) | 2.756 inch |
| Width | 65 mm | Width (inches) | 2.559 inch |
| Net weight | 71.48 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40...60 °C | Operating temperature | 0...55 °C |

### Connection data

| | | | |
|---|---|---|---|
| Configuration | Through diode | Type of component | Diode 1N4007 |

### Rating Data

| | | | |
|---|---|---|---|
| Rated voltage | 230 V | Rated current per connection | 1 A |
| Components | Diode | Value | 1N4007 |
| Max. recurring peak voltage | 1,000 V | | |

### Insulation coordination (EN50178)

| | | | |
|---|---|---|---|
| According to | DIN EN 50178 | Rated insulation voltage | 230 V |
| Surge voltage category | II | Pollution severity level | 2 |
| Pulse voltage test (1,2/50µs) | 2 kV | Insulation test voltage AC | 0.35 kV |

### Connection field

| | | | |
|---|---|---|---|
| Clamping range, max. | 6 mm² | Clamping range, min. | 0.5 mm² |
| Flexible with sleeve, max. | 2.5 mm² | Flexible with sleeve, min. | 0.5 mm² |
| Flexible, max. H05(07) V-K | 4 mm² | Flexible, min. H05(07) V-K | 0.5 mm² |
| Max. wire cross-section, AWG | AWG 12 | Min. wire cross-section, AWG | AWG 26 |
| Sleeve with plastic collar, max. | 2.5 mm² | Solid, max. H05(07) V-U | 6 mm² |
| Solid, min. H05(07) V-U | 0.5 mm² | Stripping length | 6 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.5 Nm |
| Type of connection | Screw connection | | |

### 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 | 27-14-11-52 |
| 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 | c81824f0-4ab4-46d2-8ea1-d0fb421fd3a2 |

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### Approvals

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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Product Change Notification | 20200929 Technical change to RSX LOETST. LP, RSD and RSD AK families |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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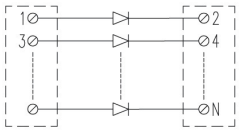
## Drawings



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## Accessories

### SAK-Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

### General ordering data

| | | |
|---|---|---|
| Type | EW 35 | Version |
| Order No. | 0383560000 | End bracket, Wemid, beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190181314 | |
| Qty. | 50 pc(s). | |

### Steel

Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

### General ordering data

| | | |
|---|---|---|
| Type | TS 32X15 2M/ST/ZN | Version |
| Order No. | 0122800000 | Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190066307 | galvanic zinc plated and passivated |
| Qty. | 2 m | |

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## Accessories

### Steel

Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

### General ordering data

| | | |
|---|---|---|
| Type | TS 35X15/2.3 2M/ST/ZN | Version |
| Order No. | 0498000000 | Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190042493 | galvanic zinc plated and passivated |
| Qty. | 2 m | |

| | | |
|---|---|---|
| Type | TS 35X7.5 2M/ST/ZN | Version |
| Order No. | 0383400000 | Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190088026 | galvanic zinc plated and passivated |
| Qty. | 2 m | |

### TS 32

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

### General ordering data

| | | |
|---|---|---|
| Type | EWK 2 | Version |
| Order No. | 0199360000 | End bracket, Wemid, beige, Rail: TS 32, when screwed in |
| GTIN (EAN) | 4008190023546 | |
| Qty. | 50 pc(s). | |