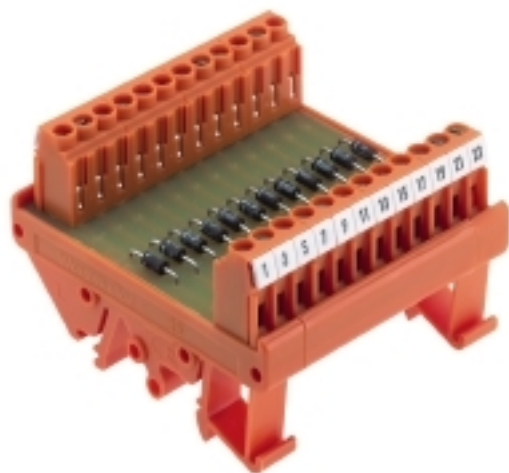


**RSD 12 LP/LP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.  | <a href="#">0181461001</a>                   |
| 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 |
|---------------------|-------------|-----------------------|-----------|

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Rated data UL

|                          |     |                     |       |
|--------------------------|-----|---------------------|-------|
| Rated current $I_{\max}$ | 1 A | Rated voltage $U_N$ | 250 V |
|--------------------------|-----|---------------------|-------|

## 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  | 0.35 kVAC |

## Connection field

|                                  |                     |                              |                      |
|----------------------------------|---------------------|------------------------------|----------------------|
| Clamping range, max.             | 6 mm <sup>2</sup>   | Clamping range, min.         | 0.13 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 2.5 mm <sup>2</sup> | Flexible with sleeve, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K       | 4 mm <sup>2</sup>   | Flexible, min. H05(07) V-K   | 0.5 mm <sup>2</sup>  |
| Max. wire cross-section, AWG     | AWG 12              | Min. wire cross-section, AWG | AWG 26               |
| Sleeve with plastic collar, max. | 2.5 mm <sup>2</sup> | Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>    |
| Solid, min. H05(07) V-U          | 0.5 mm <sup>2</sup> | 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    | 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 |             |             |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of Conformity](#)

Engineering Data

[WSCAD](#)

Product Change Notification

[20200929 Technical change to RSX LOETST. LP, RSD and RSD AK families](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

## RSD 12 LP/LP

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## Drawings

