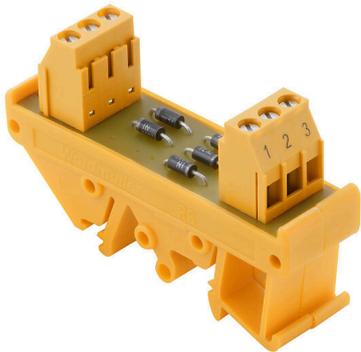


## RSD A20 LP/LP

**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, Common anode, Screw connection |
| Order No.  | <a href="#">1312780000</a>                     |
| Type       | RSD A20 LP/LP                                  |
| GTIN (EAN) | 4050118115727                                  |
| Qty.       | 1 items  |

## RSD A20 LP/LP

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E141197

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 42 mm  | Depth (inches)  | 1.6535 inch |
| Height     | 70 mm  | Height (inches) | 2.7559 inch |
| Width      | 60 mm  | Width (inches)  | 2.3622 inch |
| Net weight | 68.1 g |                 |             |

## Temperatures

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

## Environmental Product Compliance

|                                      |                                      |  |  |
|--------------------------------------|--------------------------------------|--|--|
| RoHS Compliance Status               | Compliant with exemption             |  |  |
| RoHS Exemption (if applicable/known) | 7a                                   |  |  |
| REACH SVHC                           | Lead 7439-92-1                       |  |  |
| SCIP                                 | c81824f0-4ab4-46d2-8ea1-d0fb421fd3a2 |  |  |

## Rated data UL

|                                |       |                                |        |
|--------------------------------|-------|--------------------------------|--------|
| Rated current IN               | 1 A   | Operating temperature UL, min. | -25 °C |
| Operating temperature UL, max. | 50 °C | Rated current I <sub>max</sub> | 1 A    |
| Rated voltage UN               | 230 V |                                |        |

## Connection data

|                   |              |               |              |
|-------------------|--------------|---------------|--------------|
| Type of component | Diode 1N4007 | Configuration | Shared anode |
|-------------------|--------------|---------------|--------------|

## Rating Data

|                             |        |                              |        |
|-----------------------------|--------|------------------------------|--------|
| Rated voltage               | 230 V  | Rated current per connection | 1 A    |
| Components                  | Diode  | Value                        | 1N4007 |
| Max. recurring peak voltage | 1000 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

|                                  |                     |                            |                     |
|----------------------------------|---------------------|----------------------------|---------------------|
| Min. wire cross-section, AWG     | AWG 26              | Type of connection         | Screw connection    |
| Sleeve with plastic collar, max. | 2.5 mm <sup>2</sup> | Flexible with sleeve, min. | 0.5 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 2.5 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> | Solid, max. H05(07) V-U    | 6 mm <sup>2</sup>   |

**RSD A20 LP/LP**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Technical data**

|                              |                     |                         |                     |
|------------------------------|---------------------|-------------------------|---------------------|
| 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              |
| Clamping range, max.         | 6 mm <sup>2</sup>   | Clamping range, min.    | 0.5 mm <sup>2</sup> |
| Max. wire cross-section, AWG | AWG 12              |                         |                     |

**Classifications**

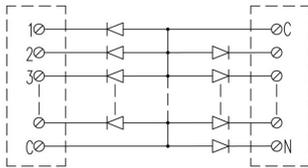
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002780    | ETIM 9.0    | EC002780    |
| ETIM 10.0   | EC002780    | ECLASS 14.0 | 27-14-11-52 |
| ECLASS 15.0 | 27-14-11-52 |             |             |

**RSD A20 LP/LP**

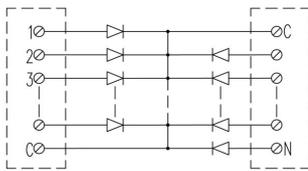
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**



RSD A



RSD K