

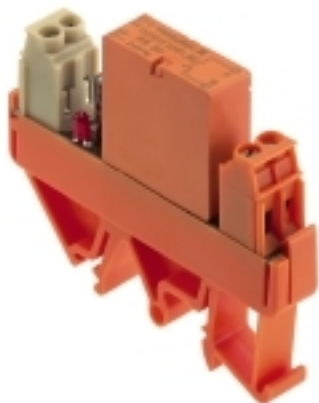
**RS 30 24VDC LD LP 1R****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

**General ordering data**

|            |                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | RS-SERIES, Relay module, Number of contacts: 1, NC contact AgNi 0.15 gold flashed, Rated control voltage: 24 V DC $\pm 10\%$ , Continuous current: 6 A, Screw connection |
| Order No.  | <a href="#">1100911001</a>                                                                                                                                               |
| Type       | RS 30 24VDC LD LP 1R                                                                                                                                                     |
| GTIN (EAN) | 4008190052881                                                                                                                                                            |
| Qty.       | 10 pc(s).                                                                                                                                                                |

Creation date March 23, 2021 12:09:18 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 56 mm      | Depth (inches)  | 2.205 inch |
| Height         | 70 mm      | Height (inches) | 2.756 inch |
| Net weight     | 27.07 g    | Width           | 11.2 mm    |
| Width (inches) | 0.441 inch |                 |            |

## Temperatures

|                     |                                                |                       |                |
|---------------------|------------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...60 °C                                 | Operating temperature | -25 °C...40 °C |
| Humidity            | 40 °C / 93 % rel. humidity,<br>no condensation |                       |                |

## Environmental Product Compliance

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

## Control side

|                                |                    |                                |                                                     |
|--------------------------------|--------------------|--------------------------------|-----------------------------------------------------|
| Power rating                   | 0.45 W             | Protective circuit             | Free-wheeling diode,<br>Reverse polarity protection |
| Pull-in/drop-out current, typ. | 12 mA / 3 mA DC    | Pull-in/drop-out voltage, typ. | 21.5 V DC                                           |
| Rated control voltage          | 24 V DC $\pm$ 10 % | Rated current DC               | 10 mA                                               |
| Status indicator               | Green LED          |                                |                                                     |

## Load side

|                                         |             |                                        |             |
|-----------------------------------------|-------------|----------------------------------------|-------------|
| AC switching capacity (resistive), max. | 2000 VA     | Duration of Bounce                     | $\leq$ 3 ms |
| Inrush current                          | 8 A         | Max. switching frequency at rated load | 0.1 Hz      |
| Max. switching voltage, AC              | 250 V       | Min. switching power                   | 250 mW      |
| Switch-off delay                        | $\leq$ 7 ms | Switch-on delay                        | $\leq$ 8 ms |

## Contact data

|                                  |                                          |                                    |                                    |
|----------------------------------|------------------------------------------|------------------------------------|------------------------------------|
| Contact type                     | 1 NC contact (AgNi 0.15<br>gold flashed) | Electrical service life of AC coil | $> 7 \times 10^5$ Switching cycles |
| Electrical service life, DC coil | $> 5 \times 10^5$ switching cycles       | Mechanical service life            | $20 \times 10^6$ switching cycles  |

## General data

|             |                |                                      |              |
|-------------|----------------|--------------------------------------|--------------|
| Version     | soldered relay | Rail                                 | TS 32, TS 35 |
| Test button | No             | Mechanical switch position indicator | No           |
| Colour      | orange         |                                      |              |

## Insulation coordination

|                                                   |          |                           |      |
|---------------------------------------------------|----------|---------------------------|------|
| Creepage and clearance distance input –<br>output | $> 3$ mm | Impulse withstand voltage | 4 kV |
| Pollution severity                                | 2        | Protection degree         | IP20 |
| Rated voltage                                     | 250 V    | Surge voltage category    | III  |

## Further details of approvals / standards

|           |              |                       |              |
|-----------|--------------|-----------------------|--------------|
| Standards | DIN EN 50178 | Certificate No. (CSA) | 082859-C-000 |
|-----------|--------------|-----------------------|--------------|

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**Technical data**
**Connection data**

|                                  |                     |                                    |                     |
|----------------------------------|---------------------|------------------------------------|---------------------|
| Wire connection method           | Screw connection    | Stripping length, rated connection | 8 mm                |
| Clamping range, rated connection | 2.5 mm <sup>2</sup> | Clamping range, min.               | 0.5 mm <sup>2</sup> |
| Clamping range, max.             | 4 mm <sup>2</sup>   |                                    |                     |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ECLASS 9.0  | 27-37-16-01 | ECLASS 9.1  | 27-37-16-01 |
| ECLASS 10.0 | 27-37-16-01 | ECLASS 11.0 | 27-37-16-01 |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                                             |                                           |
|---------------------------------------------|-------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PA_5600_160311_001.pdf</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>              |