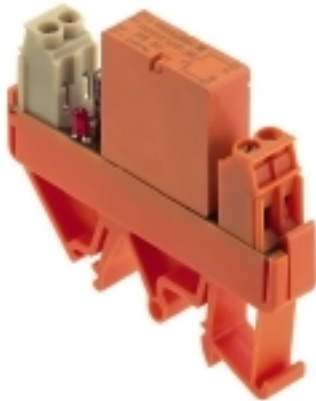


**RS-SERIES**  
**RS 30 48VDC LD LP 1A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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**Product image**

Similar to illustration

Clip-on RS 30. 31. 32 relay bases are available in widths from 11.2 to 25 mm, depending on the type.  
The RSM relay multiplexers are available as 4, 8 and 16-way modules. To reduce the wiring work, the DC variants are fitted with a common plus or minus potential.  
The optional IEC603-1 plug-in connector enables the connection of pre-assembled lines.  
The screw connection system is used to connect the conductor with a rated cross-section of 2.5 mm<sup>2</sup>.

**General ordering data**

|            |                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | RS 30 48VDC LD LP 1A                                                                                                                                                             |
| Order No.  | <a href="#">1101811001</a>                                                                                                                                                       |
| Version    | RS-SERIES, Relay module, Number of contacts: 1<br>NO contact AgNi 0.15 gold flashed, Rated control<br>voltage: 48 V DC $\pm 10\%$ , Continuous current: 6 A,<br>Screw connection |
| GTIN (EAN) | 4032248045891                                                                                                                                                                    |
| Qty.       | 10 pc(s).                                                                                                                                                                        |

Creation date April 13, 2020 5:07:08 AM CEST

Catalogue status 03.04.2020 / We reserve the right to make technical changes.

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 11.2 mm | Width (inches)  | 0.441 inch |
| Height     | 70 mm   | Height (inches) | 2.756 inch |
| Depth      | 56 mm   | Depth (inches)  | 2.205 inch |
| Net weight | 30 g    |                 |            |

**Temperatures**

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

**Environmental Product Compliance**

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

**Input**

|                                |                                                     |                                |           |
|--------------------------------|-----------------------------------------------------|--------------------------------|-----------|
| Rated control voltage          | 48 V DC $\pm$ 10 %                                  | Rated current DC               | 8 mA      |
| Power rating                   | 0.45 W                                              | Pull-in/drop-out voltage, typ. | 49 V DC   |
| Pull-in/drop-out current, typ. | 10 mA / 2 mA DC                                     | Status indicator               | Green LED |
| Protective circuit             | Free-wheeling diode,<br>Reverse polarity protection |                                |           |

**Output**

|                                         |              |                                        |              |
|-----------------------------------------|--------------|----------------------------------------|--------------|
| Rated switching voltage                 | 250 V AC     | Max. switching voltage, AC             | 250 V        |
| Continuous current                      | 6 A          | Inrush current                         | 8 A          |
| AC switching capacity (resistive), max. | 2000 VA      | Switch-on delay                        | $\leq$ 12 ms |
| Switch-off delay                        | $\leq$ 11 ms | Duration of Bounce                     | $\leq$ 3 ms  |
| Min. switching power                    | 250 mW       | Max. switching frequency at rated load | 0.1 Hz       |

**Contact data**

|                                  |                                          |                                    |                                    |
|----------------------------------|------------------------------------------|------------------------------------|------------------------------------|
| Contact type                     | 1 NO 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**

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

**Further details of approvals / standards**

|           |              |
|-----------|--------------|
| Standards | DIN EN 50178 |
|-----------|--------------|

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## RS-SERIES

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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 | UNSPSC     | 30-21-19-17 |

### 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>              |