

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

**Weidmüller Interface GmbH & Co. KG**  
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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**

|            |                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">1101921001</a>                                                                                                                                      |
| Type       | RS 30 48VUC LD LP 1A                                                                                                                                            |
| Version    | RS-SERIES, Relays, No. of contacts: 1, NO contact, AgNi 0.15 gold flashed, Rated control voltage: 48 V AC / DC ±10 %, Continuous current: 5 A, Screw connection |
| GTIN (EAN) | 4032248045921                                                                                                                                                   |
| Qty.       | 10 pc(s).                                                                                                                                                       |

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**Technical data**
**Ratings**

|                             |                  |          |                                             |
|-----------------------------|------------------|----------|---------------------------------------------|
| Conductor connection system | Screw connection | Humidity | 40 °C / 93 % rel. humidity, no condensation |
|-----------------------------|------------------|----------|---------------------------------------------|

**Dimensions and weights**

|       |         |            |        |
|-------|---------|------------|--------|
| Width | 11.2 mm | Height     | 70 mm  |
| Depth | 56 mm   | Net weight | 30.6 g |

**Temperatures**

|                       |                 |                     |                 |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -25 °C...+40 °C | Storage temperature | -40 °C...+60 °C |
|-----------------------|-----------------|---------------------|-----------------|

**Connection data**

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

**Input**

|                                                |                    |                                     |                  |
|------------------------------------------------|--------------------|-------------------------------------|------------------|
| Rated control voltage                          | 48 V AC / DC ±10 % | Rated current AC                    | 7 mA             |
| Rated current DC                               | 7 mA               | Power rating                        | 0.45 W // 0.6 VA |
| Pull-in (sparkover) / drop-out voltage DC coil | 45 V               | Pull-in / drop-out current, DC coil | 3.5 mA           |

**Output**

|                                        |         |                      |         |
|----------------------------------------|---------|----------------------|---------|
| Max. switching voltage, AC             | 250 V   | Continuous current   | 5 A     |
| making current                         | 8 A     | Max. switching power | 2000 VA |
| Switch-on delay                        | ≤ 13 ms | Switch-off delay     | ≤ 12 ms |
| Duration of Bounce                     | ≤ 3 ms  | Min. switching power | 250 mW  |
| Max. switching frequency at rated load | 0.1 Hz  |                      |         |

**Contact specifications**

|                                    |                                      |                                  |                                       |
|------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| No. of contacts                    | 1                                    | Contact design                   | NO contact                            |
| Contact material                   | AgNi 0.15 gold flashed               | Mechanical service life          | 20 x 10 <sup>6</sup> switching cycles |
| Electrical service life of AC coil | > 7x10 <sup>5</sup> Switching cycles | Electrical service life, DC coil | > 5x10 <sup>5</sup> switching cycles  |

**Insulation coordination**

|                           |       |                                                               |        |
|---------------------------|-------|---------------------------------------------------------------|--------|
| Rated voltage             | 250 V | Clearance and creepage distances for control side - load side | > 3 mm |
| Impulse withstand voltage | 4 kV  | Protection degree                                             | IP 20  |
| Pollution severity        | 2     | Surge voltage category                                        | III    |

**Other technical data**

|         |               |                  |    |
|---------|---------------|------------------|----|
| Version | Relay coupler | Free-wheel diode | No |
|---------|---------------|------------------|----|

**Further details of approvals / standards**

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

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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 |            |             |

**Approvals**

Approvals

