

## RS-SERIES RS 30 230VAC LP 1A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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 230VAC LP 1A   |
| Order No.  | <a href="#">1102261001</a>   |
| Version    | RS-SERIES, Relays, No. of contacts: 1, NO contact, AgNi 0.15 gold flashed, Rated control voltage: 230 V AC +5 % / -15 %, Continuous current: 3 A, Screw connection |
| GTIN (EAN) | 4032248046027  |
| Qty.       | 10 pc(s).  |

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## Technische Daten

### Dimensions and weights

|       |         |            |        |
|-------|---------|------------|--------|
| Width | 11.2 mm | Height     | 70 mm  |
| Depth | 56 mm   | Net weight | 31.7 g |

### Temperatures

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

### Input

|                       |                       |                              |          |
|-----------------------|-----------------------|------------------------------|----------|
| Coil resistance       |                       | Pull-inrop-out current, typ. | 1 mA AC  |
| Rated control voltage | 230 V AC +5 % / -15 % | Rated current AC             | 3.2 mA   |
| Power rating          | 0.8 VA                | Pull-inrop-out typ.          | 207 V AC |

### Output

|  |         |                      |         |
|--|---------|----------------------|---------|
| Max. switching voltage, AC             | 250 V   | Continuous current   | 3 A     |
| Inrush current                         | 8 A     | Max. switching power | 2000 VA |
| Switch-on delay                        | ≤ 10 ms | Switch-off delay     | ≤ 9 ms  |
| Duration of Bounce                     | ≤ 3 ms  | Min. switching power | 250 mW  |
| Max. switching frequency at rated load | 0.1 Hz  |                      |         |

### Contact data

|                                    |                                      |                                  |                                       |
|------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|
| 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  |

### General data

|                        |                  |          |  |
|------------------------|------------------|----------|--|
| Wire connection method | Screw connection | Humidity | 40 °C / 93 % rel. humidity,<br>no condensation |
|------------------------|------------------|----------|--|

### Insulation coordination

|   |        |                        |       |
|---|--------|------------------------|-------|
| Creepage and clearance distance input –<br>output | > 3 mm | Rated voltage          | 250 V |
| Impulse withstand voltage                         | 4 kV   | Protection degree      | IP 20 |
| Pollution severity                                | 2      | Surge voltage category | III   |

### Other technical data

|         |               |
|---------|---------------|
| Version | Relay coupler |
|---------|---------------|

### Further details of approvals / standards

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

### Connection data

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

**Datenblatt****RS-SERIES  
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**Technische Daten****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001437    | UNSPSC     | 30-21-19-17 |
| eClass 5.1 | 27-37-16-01 | eClass 6.2 | 27-37-16-01 |
| eClass 7.1 | 27-37-16-01 |            |             |

**Approvals**

Approvals



ROHS Conform

**Downloads**Declaration of Conformity [K032\\_09\\_10.pdf](#)