

RS-SERIES RS 30 24VDC LD LP 1A

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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 mm².

General ordering data

| | |
|------------|--|
| Type | RS 30 24VDC LD LP 1A |
| Order No. | 1101611001 |
| Version | RS-SERIES, Relays, No. of contacts: 1, NO contact, AgNi 0.15 gold flashed, Rated control voltage: 24 V DC ±10 %, Continuous current: 6 A, Screw connection |
| GTIN (EAN) | 4032248023523 |
| 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 | 27.47 g |

Temperatures

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

Input

| | | | |
|------------------------------|-----------------|-----------------------|--|
| Coil resistance | | Protective circuit | Integrated free-wheel diode, Reverse polarity protection |
| Pull-inrop-out current, typ. | 12 mA / 3 mA DC | Rated control voltage | 24 V DC ±10 % |
| Rated current DC | 10 mA | Power rating | 0.45 W |
| Pull-inrop-out typ. | 21.5 V DC | | |

Output

| | | | |
|--|--------|----------------------|---------|
| Max. switching voltage, AC | 250 V | Continuous current | 6 A |
| Inrush current | 8 A | Max. switching power | 2000 VA |
| Switch-on delay | ≤ 8 ms | Switch-off delay | ≤ 7 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 ⁶ switching cycles |
| Electrical service life of AC coil | > 7x10 ⁵ Switching cycles | Electrical service life, DC coil | > 5x10 ⁵ switching cycles |

General data

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

Insulation coordination

| | | | |
|--|--------|------------------------|-------|
| Creepage and clearance distance input – 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 | Protective circuit | Integrated free-wheel diode, Reverse polarity protection |
|---------|---------------|--------------------|--|

Further details of approvals / standards

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

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Connection data

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

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](#)