



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1181521001   |
| Part designation | RS 30 24VDC LD LP 1U   |
| Version          | Relays, 1 CO contact, 24 V DC $\pm 10\%$ , 6 A, Screw connection |
| EAN              | 4032248046119  |
| Qty.             | 10 pc(s).  |

#### Input

|  |                    |
|--|--------------------|
| Rated control voltage                          | 24 V DC $\pm 10\%$ |
| Pull-in (sparkover) / drop-out voltage DC coil | 21.5V              |
| Rated current DC                               | 8 A                |
| Pull-in / drop-out current, DC coil            | 12mA/3mA           |
| Power rating                                   | 0.45W              |

#### Output

|  |             |
|--|-------------|
| Bounce times                           | $\leq 3$ ms |
| Continuous current                     | 6 A         |
| Inrush current                         | 8 A         |
| Max. switching current                 | 8 A         |
| Max. switching frequency at rated load | 70 Hz       |
| Max. switching voltage AC              | 250 V       |
| Min. switching current                 | 10 mA       |
| Min. switching power                   | 250 mW      |
| Switch-off delay                       | $\leq 7$ ms |
| Switch-on delay                        | $\leq 8$ ms |

#### Contact data

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Number of contacts                 | 1                                     |
| Contact base material              | AgNi 0.15 gold flashed                |
| Mechanical service life            | $> 10^7$ switching cycles             |
| Electrical service life, DC coil   | $> 5 \cdot 10^5$ switching operations |
| Electrical service life of AC coil | $> 7 \cdot 10^5$ switching operations |

**Rated data**

|                                   |   |
|-----------------------------------|---|
| Climate                           | 40°C/93% rel. humidity, no condensation |
| Connection system                 | Screw connection                        |
| DIN Rail compatibility            | TS 32, TS 35                            |
| Ambient temperature (operational) | -25 °C...+40 °C                         |
| Storage temperature               | -40 °C...+60 °C                         |

**Insulation coordination (EN 50 178)**

Clearance and creepage distances for control side 3 mm  
- load side

|                           |       |
|---------------------------|-------|
| Impulse withstand voltage | 4 kV  |
| Overvoltage category      | III   |
| Pollution severity        | 2     |
| Protection class          | IP 20 |
| Rated voltage             | 250 V |

**Dimensions**

|        |       |
|--------|-------|
| Length | 70 mm |
| Height | 56 mm |
| Width  | 16 mm |

**Approvals**

Approvals institutes

**Classifications**

|            |             |
|------------|-------------|
| ETIM 2.0   | EC001437    |
| ETIM 3.0   | EC001437    |
| eClass 4.1 | 40-02-06-14 |
| eClass 5.0 | 27-37-16-01 |
| eClass 5.1 | 27-37-16-01 |

**Similar products**

| Order No.  | Part designation        | Version  |
|------------|-------------------------|--|
| 1100760000 | RS 30 115VUC BL/SL 1U   | Relays, 1 CO contact, 115 V AC , 5 A, Screw connection             |
| 1129660000 | RS 30 12VDC BL/SL 1U    | Relays, 1 CO contact, 12 V DC ±10% , 6 A, Screw connection         |
| 1100860000 | RS 30 230VAC BL/SL 1U   | Relays, 1 CO contact, 230 V AC +5 %/ -15 % , 3 A, Screw connection |
| 1100260000 | RS 30 24VDC BL/SL 1U    | Relays, 1 CO contact, 24 V DC ±10% , 6 A, Screw connection         |
| 1100210000 | RS 30 24VDC LD BL/SL 1U | Relays, 1 CO contact, 24 V DC ±10% , 6 A, Screw connection         |
| 1100220000 | RS 30 24VDC LD BL/SL 1U | Relays, 1 CO contact, 24 V DC ±10% , 6 A, Screw connection         |
| 1181511001 | RS 30 24VDC LD LP 1U    | Relays, 1 CO contact, 24 V DC ±10% , 6 A, Screw connection         |
| 1100360000 | RS 30 24VUC BL/SL 1U    | Relays, 1 CO contact, 24 V UC ±10% , 6 A, Screw connection         |
| 1100410000 | RS 30 48VDC LD BL/SL 1U | Relays, 1 CO contact, 48 V DC ±10% , 6 A, Screw connection         |
| 1100420000 | RS 30 48VDC LD BL/SL 1U | Relays, 1 CO contact, 48 V DC ±10% , 6 A, Screw connection         |
| 1100560000 | RS 30 48VUC BL/SL 1U    | Relays, 1 CO contact, 48 V DC ±10% , 5 A, Screw connection         |

1100620000 RS 30 60VDC LD BL/SL 1U Relays, 1 CO contact, 60 V DC  $\pm 10\%$  , 5 A, Screw connection