



|                                     |  |             |
|-------------------------------------|--|-------------|
| <b>Identification</b>               | Type   | RE 7 24V 1W |
|                                     | Part-No.   | 761822      |
| <b>Input</b>                        |  |             |
| Input voltage range                 | 16.8 V – 30.0 V                                  |             |
| Nominal voltage                     | AC/DC 24 V                                       |             |
| Rated frequency                     | 50–60 Hz   |             |
| Rated current                       | 21.0 mA  |             |
| Interrupting voltage                | < 2.4 V  |             |
| Protection device                   | Bridge rectifier                                 |             |
| Rated insulation voltage (EN 50178) | 50 V   |             |
| Max. length of connecting lead      | DC: 2000 m<br>AC: 100 m                          |             |
| <b>Load Side</b>                    |  |             |
| Contact type                        | 1 change over contact                            |             |
| Min. switching voltage              | AC/DC 17 V                                       |             |
| Max. switching voltage              | AC/DC 250 V                                      |             |
| Min. switching current              | AC/DC 5 mA                                       |             |
| Max. switching current              | AC/DC 6 A  |             |
| Switching capacity AC 15            | 3 A  |             |
| Switching capacity DC 13            | at 24 V: 1 A, at 115 V: 200 mA, at 230 V: 100 mA |             |
| Max. switching capacity             | 1500 VA  |             |
| Contact material                    | AgSnO <sub>2</sub>                               |             |

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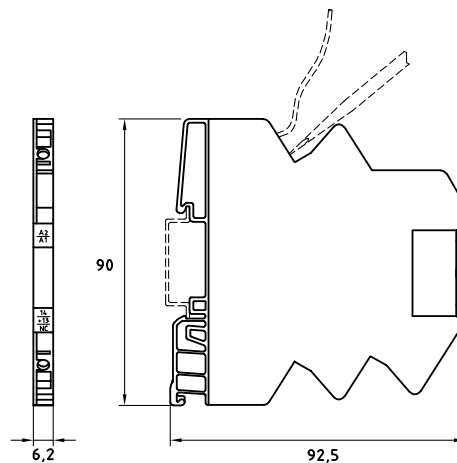
## Technical data sheet · Interface Technology

|   |                                |
|---|--------------------------------|
| Mechanical service life                       | 5 x 10 <sup>6</sup> operations |
| Switch-on delay                               | 7 ms                           |
| Switch-off delay                              | 7 ms                           |
| Clearance/creep. dist.<br>(control/load side) | >5.5 mm                        |
| Rated insulation voltage<br>(EN 50178)        | 300 V                          |

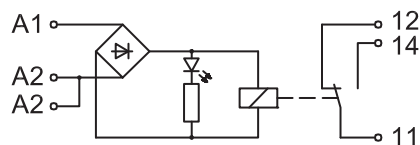
### General

|                                 |   |
|---------------------------------|---|
| Housing material                | PA 6.6 (UL 94 V-0)                      |
| Protection class                | IP 20                                   |
| Field installation              | rail TS 35 (EN 50022)                   |
| Insulation voltage input/output | 4.0 kV <sub>eff</sub>                   |
| Safe isolation                  | yes                                     |
| Operation temperature range     | -25 °C – 60 °C                          |
| Storage temperature range       | -40 °C – 80 °C                          |
| Dimensions (w x h x d)          | 6.2 x 90.0 x 92.5 mm                    |
| Weight (kg/piece)               | 0.035                                   |
| Approvals                       | cULus                                   |
| Termination                     | Spring terminal 0.5–1.5 mm <sup>2</sup> |

### Dimensions



### PIN assignment



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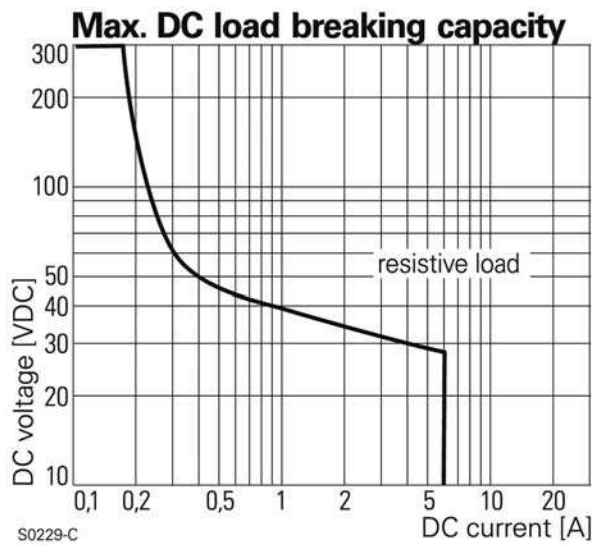
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**Limit curve**



**Accessories**

| Accessories                           | Color | Article number | Type             | PU  |
|---------------------------------------|-------|----------------|------------------|-----|
| Replacement relay for 76X821          |       | 768002         | Relay SNR 24V 1W | 20  |
| Spare relay for 76X822 / 76x828       |       | 768001         | Relay SNR 12V 1W | 20  |
| Replacement relay for 76X826 / 76X827 |       | 768003         | Relay SNR 60V 1W | 20  |
| Tag holder 4×11 mm                    | white | 681313         | BZT-0411         | 100 |
| Isolation plate                       |       | 760809         | TP 7-0809        | 5   |

**Accessories**

| Accessories     | Color | 2-pole | 3-pole | 4-pole | 8-pole | 16-pole | PU |
|-----------------|-------|--------|--------|--------|--------|---------|----|
| 6 A jumper comb | red   | 762802 | 762805 | 762812 | 762822 | 762832  | 10 |
| 6 A jumper comb | white | 762803 | 762806 | 762813 | 762823 | 762833  | 10 |
| 6 A jumper comb | blue  | 762804 | 762807 | 762814 | 762824 | 762834  | 10 |

**Comments**

For operation with rated voltage and 100% ED over 24h/day, a distance of = 10 mm must be complied with between the modules or to the neighboring switching components.

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