# ST-REL2-KG 24/2 - Relay connectors

2823670

https://www.phoenixcontact.com/us/products/2823670

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 N/C contact, 24 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

## Commercial data

| | |
|---|---|
| Item number | 2823670 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | C460 |
| Product key | DK61B2 |
| GTIN | 4017918077501 |
| Weight per piece (including packing) | 34.98 g |
| Weight per piece (excluding packing) | 34.98 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Relay Module |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 2x $10^7$ cycles |

Data management status

| | |
|---|---|
| Date of last data management | 01.04.2026 |

## Electrical properties

| | |
|---|---|
| Maximum power dissipation for nominal condition | 0.5 W |
| Test voltage (Winding/contact) | 2.5 kV AC (50 Hz, 1 min., winding/contact) |

## Input data

Coil side

| | |
|---|---|
| Nominal input voltage $U_N$ | 24 V AC/DC |
| Input voltage range | 19.2 V AC/DC ... 26.4 V AC/DC (20 °C) |
| Drive and function | monostable |
| Drive (polarity) | polarized |
| Typical input current at $U_N$ | 21 mA |
| Typical response time | 7 ms (with DC) |
| Typical release time | 11 ms (with DC) |
| Protective circuit | Bridge rectifier, varistor |
| Operating voltage display | yes |

## Output data

Switching

| | |
|---|---|
| Contact switching type | 1 N/C contact |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush current | 8 A |
| Interrupting rating (ohmic load) max. | 95 W (at 24 V DC) |
| | 50 W (at 48 V DC) |
| | 45 W (at 60 V DC) |
| | 45 W (at 110 V DC) |
| | 75 W (at 220 V DC) |
| | 1500 VA (for 250 V AC) |

## Dimensions

Item dimensions

| | |
|---|---|
| Width | 14.6 mm |
| Height | 33 mm |
| Depth | 66.5 mm |

## Material specifications

| | |
|---|---|
| Color | green (RAL 6021) |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

## Standards and regulations

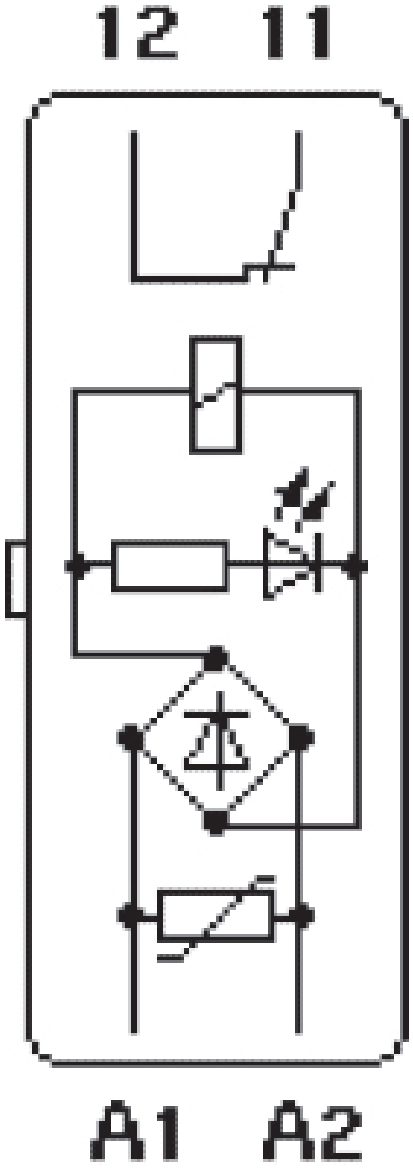
| | |
|---|---|
| Standards/regulations | DIN VDE 0110b, Gr. C for 250 V DC |
| | IEC 60255/DIN VDE 0435 (in relevant parts) |
| | DIN EN 50178/VDE 0160 (in relevant parts) |
| | EN 60730/DIN VDE 0631 |
| | DIN VDE 0160 (in relevant parts) |

## Mounting

| | |
|---|---|
| Mounting type | Plug-in mounting |

## Drawings

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27371601 |
| ECLASS-15.0 | 27371601 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001437 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39122300 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 852c27c4-088e-41b3-b184-309e48381eb1 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.99 kg CO2e |

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