

## Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

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Relay connector for high inrush currents, contacts (AgCdO+capacitive W): medium to large loads, 1 N/O contact, input voltage 24 V DC, max. inrush current 10 A

### Your advantages

- ✔ Can be snapped onto standard EN DIN rails
- ✔ Clear terminal marking using Phoenix Contact labeling material
- ✔ Modular DIN-rail mountable EMG housing with 17.5 mm design width
- ✔ User-friendly plug-in housing
- ✔ Easy maintenance



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 078515 |
| GTIN                                 | 4017918078515   |
| Weight per Piece (excluding packing) | 43.790 g  |
| Custom tariff number                 | 85364190  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20.8 mm |
| Height | 42.5 mm |
| Depth  | 112 mm  |

#### Ambient conditions

## Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

### Technical data

#### Ambient conditions

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

#### Coil side

|   |                                   |
|---|-----------------------------------|
| Nominal input voltage $U_N$               | 24 V DC                           |
| Input voltage range in reference to $U_N$ | 0.85 ... 1.1                      |
| Typical input current at $U_N$            | 28 mA                             |
| Typical response time                     | 13 ms                             |
| Typical release time                      | 15 ms                             |
| Protective circuit                        | Free-wheeling diode Damping diode |
| Operating voltage display                 | Yellow LED                        |
| Power dissipation for nominal condition   | 0.67 W                            |

#### Contact side

|                                       |  |
|---------------------------------------|--|
| Contact type                          | 1 N/O contact with lead contact                                  |
| Type of switch contact                | Lead contact   |
| Contact material                      | AgCdO  |
| Note                                  | Main contact silver cadmium oxide (AgCdO): lead contact tungsten |
| Maximum switching voltage             | 250 V AC   |
| Maximum inrush current                | 80 A (20 ms)   |
| Limiting continuous current           | 10 A   |
| Interrupting rating (ohmic load) max. | 2500 VA (for 250 V AC)   |

#### General

|  |   |
|--|---|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)                           |
| Mechanical service life                  | approx. $10^7$ cycles                               |
| Assembly instructions                    | Horizontal with zero spacing, vertical with spacing |

#### Standards and Regulations

|                       |                  |
|-----------------------|------------------|
| Standards/regulations | IEC 60664        |
|                       | EN 50178         |
| Insulation            | Basic insulation |
| Pollution degree      | 2                |
| Overvoltage category  | III              |

#### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1                                 |
| China RoHS | Environmentally Friendly Use Period = 50 years |

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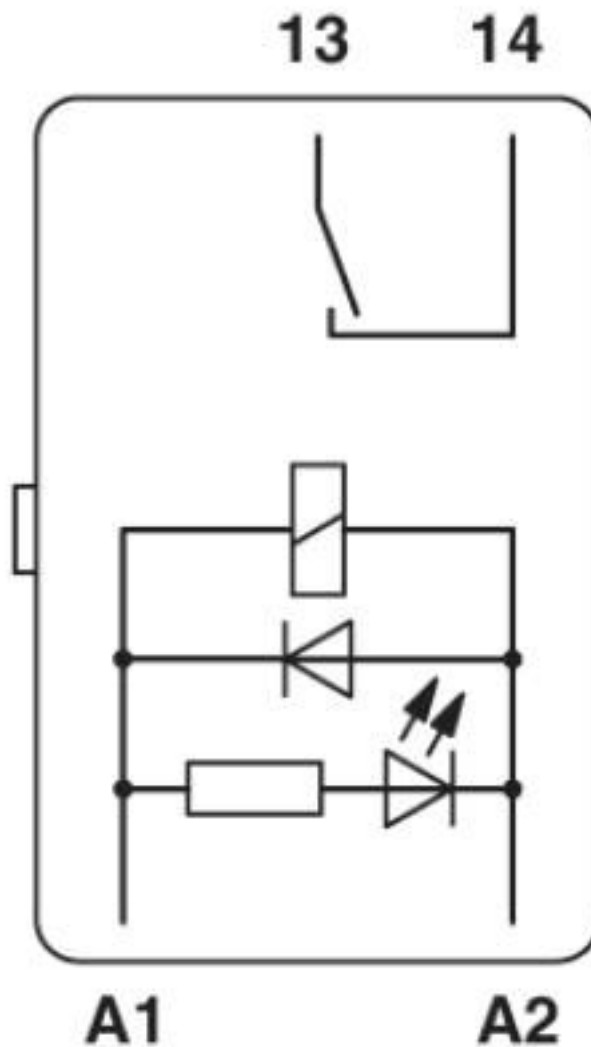
Technical data

Environmental Product Compliance

|  |   |
|--|---|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

Drawings

Circuit diagram



# Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27371601 |
| eCl@ss 4.0    | 27371100 |
| eCl@ss 4.1    | 27371100 |
| eCl@ss 5.0    | 27371600 |
| eCl@ss 5.1    | 27371600 |
| eCl@ss 6.0    | 27371600 |
| eCl@ss 7.0    | 27371601 |
| eCl@ss 8.0    | 27371601 |
| eCl@ss 9.0    | 27371601 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001437 |
| ETIM 3.0 | EC001437 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |
| ETIM 6.0 | EC001437 |
| ETIM 7.0 | EC001437 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11     | 39121515 |
| UNSPSC 12.01  | 39121515 |
| UNSPSC 13.2   | 39122334 |
| UNSPSC 18.0   | 39122334 |
| UNSPSC 19.0   | 39122334 |
| UNSPSC 20.0   | 39122334 |
| UNSPSC 21.0   | 39122334 |

## Approvals

### Approvals

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Approvals

EAC / EAC

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Ex Approvals

## Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

### Approvals

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#### Approval details

|     |   |                 |
|-----|---|-----------------|
| EAC |  | TR_TS_D_00573_c |
|-----|---|-----------------|

|     |   |                         |
|-----|---|-------------------------|
| EAC |  | RU*C-<br>DE.*08.B.00010 |
|-----|---|-------------------------|

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