

# Relay connectors - ST-REL4-KG120/21-21 - 2823337

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 2 PDT, 120 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

The figure shows version ST-REL 4-KG 24/21-21



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 10 pc         |
| GTIN         |               |
| GTIN         | 4017918077358 |

## Technical data

### Dimensions

|        |         |
|--------|---------|
| Width  | 27 mm   |
| Height | 33 mm   |
| Depth  | 66.5 mm |

### Ambient conditions

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

### Coil side

|   |                            |
|---|----------------------------|
| Nominal input voltage $U_N$               | 120 V AC/DC                |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.06               |
| Typical input current at $U_N$            | 4 mA                       |
| Typical response time                     | 10 ms (with DC)            |
| Typical release time                      | 10 ms (with DC)            |
| Protective circuit                        | Bridge rectifier, varistor |
| Operating voltage display                 | yes                        |
| Power dissipation for nominal condition   | 0.48 W                     |

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## Technical data

### Contact side

|                                       |                       |
|---------------------------------------|-----------------------|
| Contact type                          | Single contact, 2-PDT |
| Type of switch contact                | Single contact        |
| Contact material                      | AgNi                  |
| Maximum switching voltage             | 250 V AC/DC           |
| Maximum inrush current                | 5 A                   |
| Limiting continuous current           | 3 A                   |
| Interrupting rating (ohmic load) max. | 70 W (at 24 V DC)     |
|                                       | 85 W (at 48 V DC)     |
|                                       | 60 W (at 60 V DC)     |
|                                       | 40 W (at 110 V DC)    |
|                                       | 60 W (at 220 V DC)    |
|                                       | 750 VA (for 250 V AC) |

### General

|  |                                   |
|--|-----------------------------------|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)         |
| Test voltage PDT/PDT                     | 1 kV AC (50 Hz, 1 min.)           |
| Operating mode                           | 100% operating factor             |
| Mechanical service life                  | approx. 2x 10 <sup>7</sup> cycles |

### 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/DIN VDE 0160 (in relevant parts) |
|                       | EN 60730/DIN VDE 0631                         |
|                       | DIN VDE 0160 (in relevant parts)              |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

Approvals


EAC

Ex Approvals

## Relay connectors - ST-REL4-KG120/21-21 - 2823337

### Approvals

#### Approval details

|     |   |                          |
|-----|---|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01082 |
|-----|---|--------------------------|

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