

## Relay connectors - ST-REL2-KG120/1 - 2823654

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 N/O contact, 120 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

The illustration shows version ST-REL 2-KG 24/1



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 077495 |
| Weight per Piece (excluding packing) | 35.13 g   |
| Custom tariff number                 | 85364900  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 14.6 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 $U_N$            | 5 mA           |
| Typical response time                     | 7 ms (with DC) |

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### Technical data

#### Coil side

|   |                            |
|---|----------------------------|
| Typical release time                    | 11 ms (with DC)            |
| Protective circuit                      | Bridge rectifier, varistor |
| Operating voltage display               | yes                        |
| Power dissipation for nominal condition | 0.6 W                      |

#### Contact side

|                                       |                               |
|---------------------------------------|-------------------------------|
| Contact type                          | Single contact, 1 N/O contact |
| Contact material                      | AgNi                          |
| Maximum switching voltage             | 250 V AC/DC                   |
| Maximum inrush current                | 8 A                           |
| Limiting continuous current           | 6 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)        |

#### General

|  |   |
|--|---|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)                     |
| Operating mode                           | 100% operating factor                         |
| Mechanical service life                  | Approx. $2 \times 10^7$ cycles                |
| 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)              |

#### 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)              |

### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
|------------|----------|

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.1 | 27371104 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 27371601 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001437 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11     | 39121515 |
| UNSPSC 12.01  | 39121515 |
| UNSPSC 13.2   | 39121515 |

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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### Approval details

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| EAC |
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## Drawings

Circuit diagram

