

## Relay connectors - ST-REL3-SG110/21 - 2822037

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Relay connector, equipped with Siemens KAMMRELAIS ®, contacts (Ag): medium loads, 1 PDT, input voltage 110 V DC, with light indicator, can be plugged on basic termination blocks

The illustration shows version ST-REL3-SG 24/21



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 077181 |
| Weight per Piece (excluding packing) | 47.67 GRM   |
| Custom tariff number                 | 85364900  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20.8 mm |
| Height | 33 mm   |
| Depth  | 66.5 mm |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

#### Coil side

|   |                |
|---|----------------|
| Nominal input voltage $U_N$               | 110 V DC       |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.1    |
| Typical input current at $U_N$            | 5.5 mA         |
| Typical response time                     | 8 ms (with DC) |

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### Technical data

#### Coil side

|                           |   |
|---------------------------|---|
| Typical release time      | 15 ms (with DC)   |
| Operating voltage display | Yes   |
| Protective circuit        | Damping diode, polarity protection Damping diode, polarity protection diode |

#### Contact side

|                                       |                       |
|---------------------------------------|-----------------------|
| Contact type                          | Single contact, 1-PDT |
| Contact material                      | Ag, gold-flashed      |
| Maximum switching voltage             | 250 V AC/DC           |
| Maximum inrush current                | 5 A                   |
| Limiting continuous current           | 5 A                   |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC)    |
|                                       | 60 W (at 48 V DC)     |
|                                       | 50 W (at 60 V DC)     |
|                                       | 50 W (at 110 V DC)    |
|                                       | 70 W (at 220 V DC)    |
|                                       | 500 VA (for 250 V AC) |

#### General

|  |  |
|--|--|
| Test voltage relay winding/relay contact | 1 kV AC (50 Hz, 1 min.)                              |
| Operating mode                           | 100% operating factor                                |
| Mechanical service life                  | Approx. $10^7$ cycles (approx. $10^6$ with AC relay) |
| Standards/regulations                    | DIN VDE 0110b, Gr. C for 250 V DC                    |
|  | DIN VDE 0160 (in relevant parts)                     |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
| 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 | 27371001 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC000196 |

### 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

GOST / GOST

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Ex Approvals

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Approvals submitted

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### Approval details

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## Drawings

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Circuit diagram

