

# Relay connectors - ST-REL3-KG 48/21 - 2821232

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 PDT, 48 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

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

## Key commercial data

package_quantity	10
GTIN	4017918077075

## Technical data

### Dimensions

Width	20.8 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 $U_N$	48 V AC/DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Nominal input current at $U_{IN}$	8.5 mA
Typical response time	10 ms
Typical release time	10 ms (with DC)
Operating voltage display	Yes
Protective circuit	Bridge rectifier, varistor

### Contact side

Contact type	Single contact, 1-PDT
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)
Interrupting rating (ohmic load) max.	50 W (at 48 V DC)

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### Technical data

#### Contact side

Interrupting rating (ohmic load) max.	45 W (at 60 V DC)
Interrupting rating (ohmic load) max.	35 W (at 110 V DC)
Interrupting rating (ohmic load) max.	55 W (at 220 V DC)
Interrupting rating (ohmic load) max.	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
Standards/regulations	IEC 60255/DIN VDE 0435 (in relevant parts)
Standards/regulations	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Standards/regulations	EN 60730/DIN VDE 0631
Standards/regulations	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
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

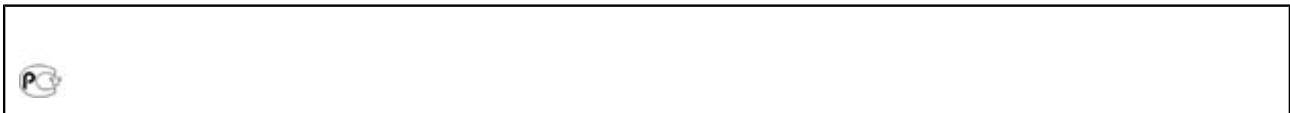
### approvals

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approvals

Approval details



Drawings

Circuit diagram

