

# Relay connectors - ST-REL4-KG 24/ 1- 1 - 2852353

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 2 N/O contacts, 24 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

## Key commercial data

<b>package_quantity</b>	10
<b>GTIN</b>	4017918078645

## Technical data

### Dimensions

<b>Width</b>	27 mm
<b>Height</b>	33 mm
<b>Depth</b>	66.5 mm

### Ambient conditions

<b>Ambient temperature (operation)</b>	-20 °C ... 50 °C
<b>Ambient temperature (storage/transport)</b>	-20 °C ... 70 °C

### Coil side

<b>Nominal input voltage U<sub>N</sub></b>	24 V AC/DC
<b>Input voltage range in reference to U<sub>N</sub></b>	0.8 ... 1.1
<b>Typical input current at U<sub>N</sub></b>	19 mA
<b>Typical response time</b>	9 ms (with DC)
<b>Typical release time</b>	10 ms (with DC)
<b>Operating voltage display</b>	Yes
<b>Protective circuit</b>	Bridge rectifier Bridge rectifier
<b>Protective circuit</b>	Surge protection Varistor

### Contact side

<b>Contact type</b>	Single contact, 2 N/O contact
<b>Contact material</b>	AgNi
<b>Maximum switching voltage</b>	250 V AC/DC
<b>Maximum inrush current</b>	6 A
<b>Limiting continuous current</b>	5 A
<b>Interrupting rating (ohmic load) max.</b>	120 W (at 24 V DC)
<b>Interrupting rating (ohmic load) max.</b>	85 W (at 48 V DC)

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### Technical data

#### Contact side

Interrupting rating (ohmic load) max.	60 W (at 60 V DC)
Interrupting rating (ohmic load) max.	40 W (at 110 V DC)
Interrupting rating (ohmic load) max.	60 W (at 220 V DC)
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Test voltage N/O contact/N/O contact	2 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

GOST / GOST /

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approvals

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Approval details

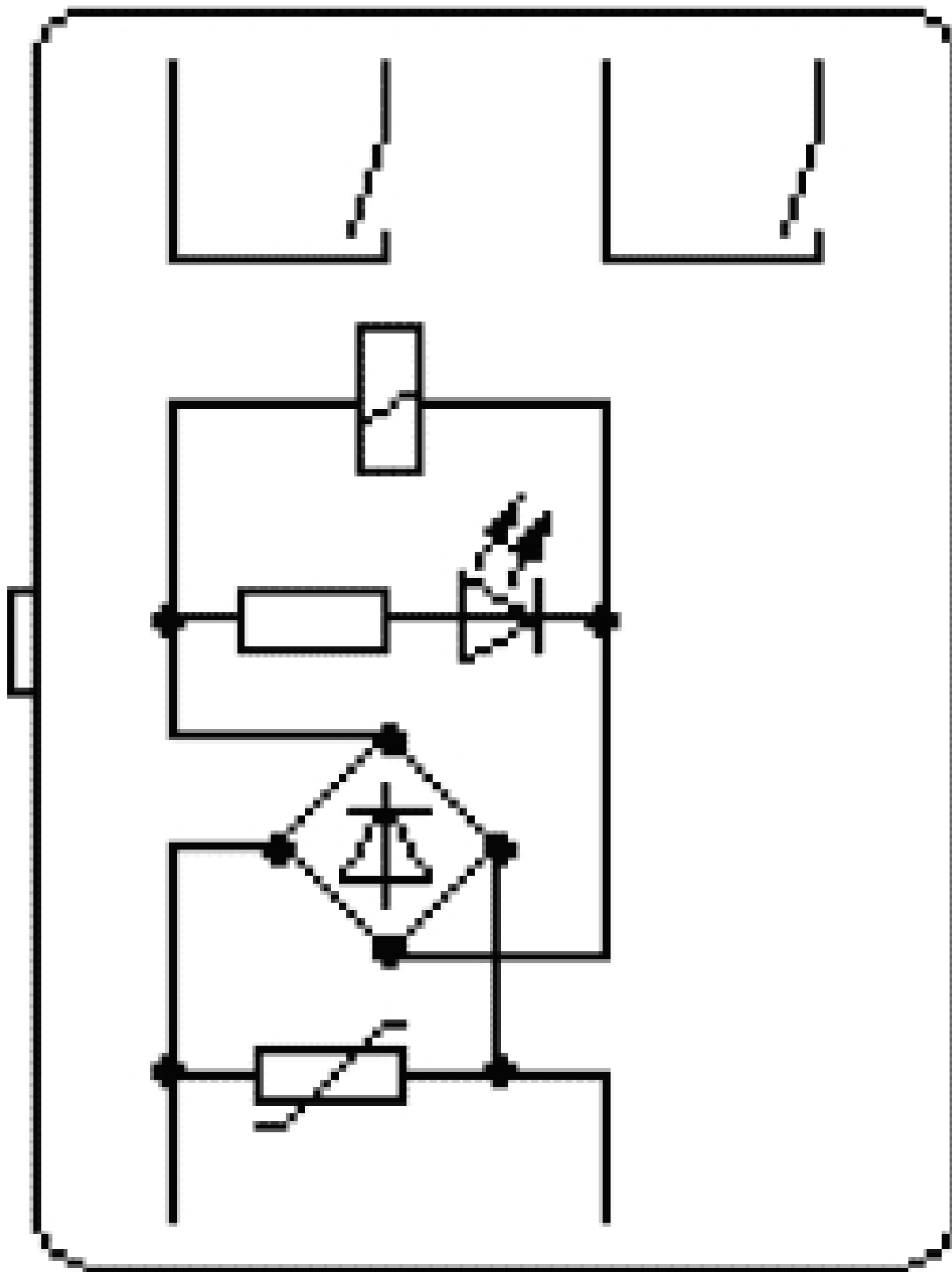


Drawings

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Circuit diagram

**13 14 23 24**



**A1**

**A2**

