

## Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

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Relay connector for high inrush currents, contacts (AgCdO+capacitive W): medium to large loads, 1 N/O contact, input voltage 24 V DC, max. inrush current 10 A

### Your advantages

- ✔ Can be snapped onto standard EN DIN rails
- ✔ Clear terminal marking using Phoenix Contact labeling material
- ✔ Modular DIN-rail mountable EMG housing with 17.5 mm design width
- ✔ User-friendly plug-in housing
- ✔ Easy maintenance



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 078515
GTIN	4017918078515
Weight per Piece (excluding packing)	37.720 g
Custom tariff number	85364190
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

#### Ambient conditions

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

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### Technical data

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Typical input current at $U_N$	28 mA
Typical response time	13 ms
Typical release time	15 ms
Protective circuit	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.67 W

#### Contact side

Contact type	1 N/O contact with lead contact
Type of switch contact	Lead contact
Contact material	AgCdO
Note	Main contact silver cadmium oxide (AgCdO): lead contact tungsten
Maximum switching voltage	250 V AC
Maximum inrush current	80 A (20 ms)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	approx. $10^7$ cycles
Assembly instructions	Horizontal with zero spacing, vertical with spacing

#### Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

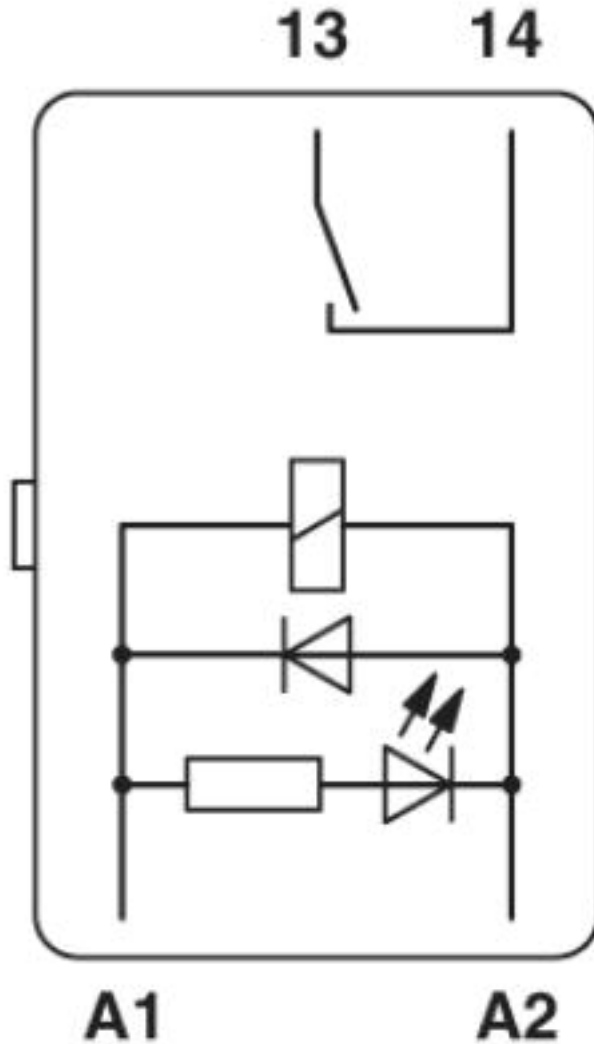
#### Environmental Product Compliance

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

### Drawings

# Relay connectors - ST-REL3-KG 24/ 1/SO38 - 2829564

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

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## Classifications

### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

## Approvals

### Approvals

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Approvals

EAC / EAC

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Ex Approvals

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### Approval details

EAC		TR_TS_D_00573_c
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EAC		TR_TS_S_00010_c
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