

## 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

### 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

#### 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

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### Technical data

#### Coil side

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 <sup>7</sup> cycles
Assembly instructions	Horizontal with zero spacing, vertical with spacing

#### Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

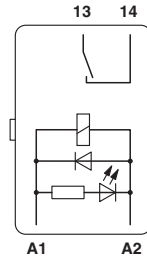
#### Environmental Product Compliance

REACH SVHC	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



## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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## Approval details

EAC		RU C- DE.A*30.B.01082
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