

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

2829564

<https://www.phoenixcontact.com/us/products/2829564>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Commercial data

Item number	2829564
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6181
GTIN	4017918078515
Weight per piece (including packing)	37.72 g
Weight per piece (excluding packing)	37.72 g
Customs tariff number	85364190
Country of origin	DE

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



2829564

<https://www.phoenixcontact.com/us/products/2829564>

## Technical data

### Product properties

Product type	Relay Module
Mechanical service life	approx. $10^7$ cycles

### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Data management status

Date of last data management	12.09.2025
------------------------------	------------

### Electrical properties

Maximum power dissipation for nominal condition	0.67 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range	20.4 V DC ... 26.4 V DC (20 °C)
Drive and function	monostable
Typical input current at $U_N$	28 mA
Typical response time	13 ms
Typical release time	15 ms
Protective circuit	Freewheeling diode; Freewheeling diode
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact switching 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
Limiting continuous current	10 A
Maximum inrush current	80 A (20 ms)
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

### Dimensions

Width	20.8 mm
Height	42.5 mm

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



2829564

<https://www.phoenixcontact.com/us/products/2829564>

Depth	112 mm
-------	--------

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

Standards/regulations	IEC 60664
	EN 50178

## Mounting

Mounting type	Plug-in mounting
Assembly note	Horizontal with zero spacing, vertical with spacing

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



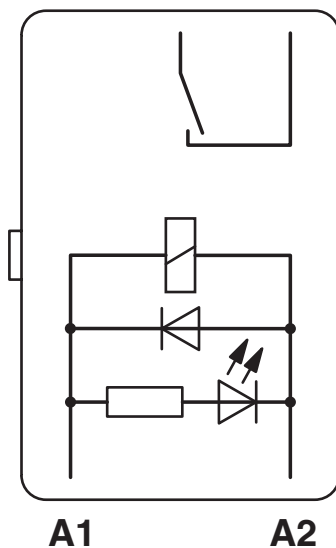
2829564

<https://www.phoenixcontact.com/us/products/2829564>

## Drawings

Circuit diagram

**13 14**



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



2829564

<https://www.phoenixcontact.com/us/products/2829564>

## Classifications

### UNSPSC

UNSPSC 21.0	39122300
-------------	----------

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



2829564

<https://www.phoenixcontact.com/us/products/2829564>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)