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

2829564

https://www.phoenixcontact.com/us/products/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

Commercial data

Item number	2829564
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6181
Catalog page	Page 448 (C-5-2019)
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

Technical data

Product properties

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

Insulation characteristics

Insulation	Basic insulation

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

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

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

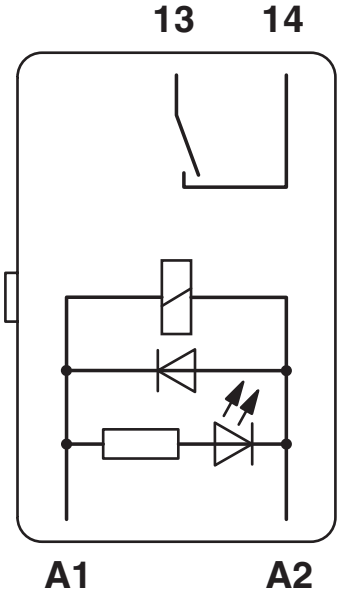
Standards/regulations	IEC 60664
	EN 50178

Mounting

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

Drawings

Circuit diagram



Classifications

ECLASS

ECLASS-11.0	27371601

ETIM

ETIM 8.0	EC001437

UNSPSC

UNSPSC 21.0	39122300

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)

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