

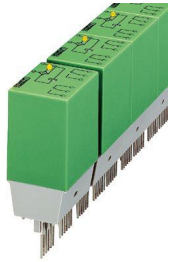
ST-REL7-KG 48/21-21 - Relay connectors



2891149

<https://www.phoenixcontact.com/us/products/2891149>

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.



The figure shows version ST-REL 7-KG 24/21-21

Relay connector, equipped with miniature switching relay, contacts (AgNi): medium to large loads, 2 changeover contacts, input voltage 48 V AC/DC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2891149
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6125
GTIN	4017918078683
Weight per piece (including packing)	65.82 g
Weight per piece (excluding packing)	65.82 g
Customs tariff number	85364190
Country of origin	DE

ST-REL7-KG 48/21-21 - Relay connectors



2891149

<https://www.phoenixcontact.com/us/products/2891149>

Technical data

Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles

Data management status

Date of last data management	01.04.2026
------------------------------	------------

Electrical properties

Maximum power dissipation for nominal condition	0.43 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2 kV AC (50 Hz, 1 min., changeover contact/changeover contact)

Input data

Coil side

Nominal input voltage U_N	48 V AC/DC
Input voltage range	43.2 V AC/DC ... 52.8 V AC/DC
Input voltage range in reference to U_N	0.9 ... 1.1
Drive and function	monostable
Typical input current at U_N	9 mA
Typical response time	9 ms (with DC)
Typical release time	10 ms (with DC)
Protective circuit	Bridge rectifier; Bridge rectifier Surge protection; Varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC) 85 W (at 48 V DC) 60 W (at 60 V DC) 40 W (at 110 V DC) 60 W (at 220 V DC) 1250 VA (for 250 V AC)

ST-REL7-KG 48/21-21 - Relay connectors



2891149

<https://www.phoenixcontact.com/us/products/2891149>

Dimensions

Width	45.6 mm
Height	33 mm
Depth	66.5 mm

Material specifications

Color	green (RAL 6021)
-------	------------------

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	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

Mounting

Mounting type	Plug-in mounting
---------------	------------------

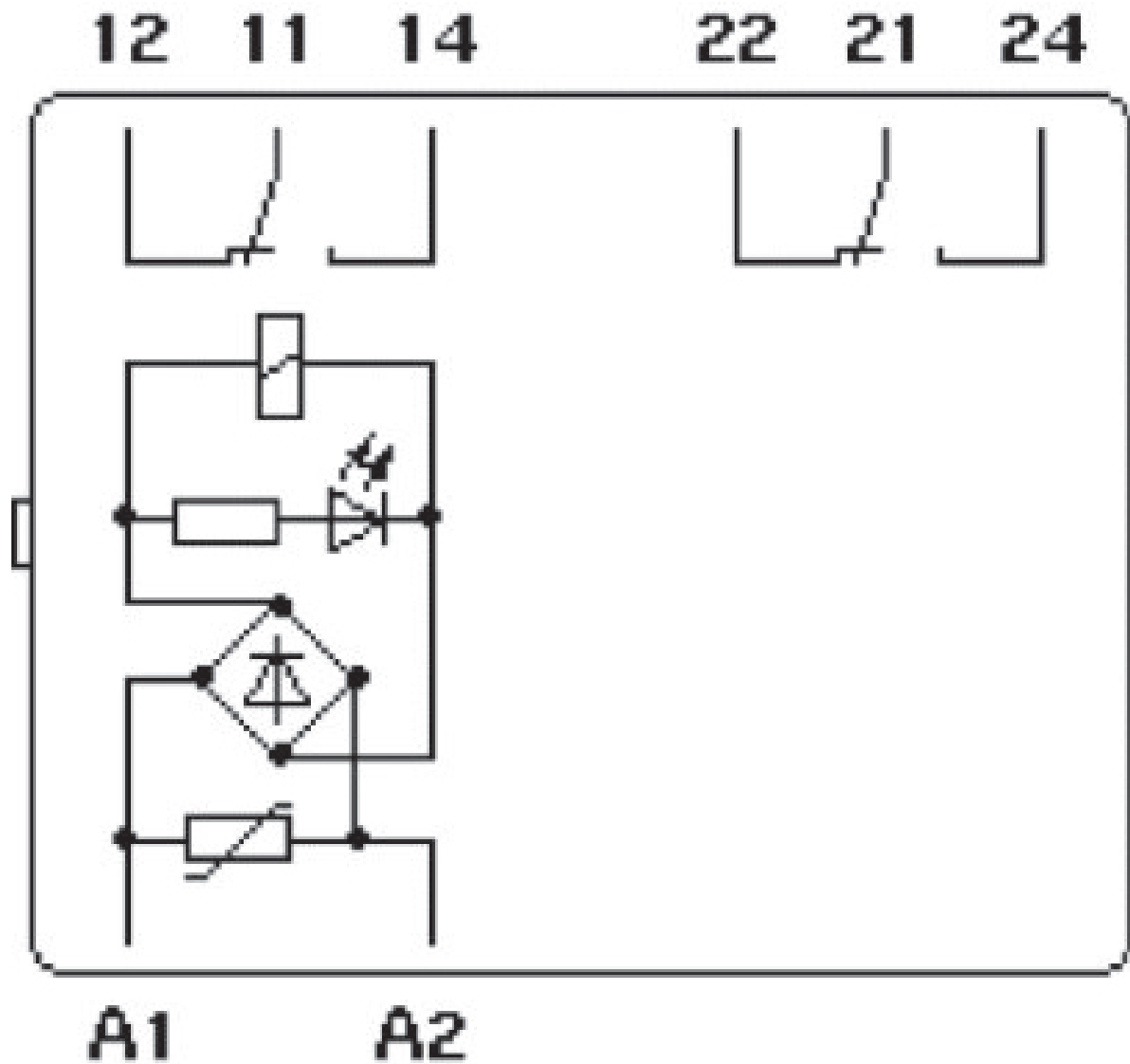
ST-REL7-KG 48/21-21 - Relay connectors

2891149

<https://www.phoenixcontact.com/us/products/2891149>

Drawings

Circuit diagram



ST-REL7-KG 48/21-21 - Relay connectors



2891149

<https://www.phoenixcontact.com/us/products/2891149>

Environmental product compliance

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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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