

# ST-REL3-SG220/21 - Relay connectors



2822040

<https://www.phoenixcontact.com/us/products/2822040>

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, equipped Siemens KAMMRELAIS®, contacts (Ag): medium loads, 1 changeover contact, input voltage 220 V DC, with LED display, pluggable into basic terminal blocks

The figure shows version ST-REL3-SG 24/21

## Commercial data

Item number	2822040
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6122
GTIN	4017918077198
Weight per piece (including packing)	51.56 g
Weight per piece (excluding packing)	51.56 g
Customs tariff number	85364900
Country of origin	DE

# ST-REL3-SG220/21 - Relay connectors



2822040

<https://www.phoenixcontact.com/us/products/2822040>

## Technical data

### Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. $10^7$ cycles (approx. $10^6$ with AC relay)

### Data management status

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

### Electrical properties

Maximum power dissipation for nominal condition	1.98 W
Test voltage (Winding/contact)	1 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	220 V DC
Input voltage range	176 V DC ... 242 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Drive and function	monostable
Typical input current at $U_N$	9 mA
Typical response time	5 ms (with DC)
Typical release time	25 ms (with DC)
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode
Operating voltage display	yes

### Output data

#### Switching

Contact switching type	Single contact, 1 changeover contact
Type of switch contact	Single contact
Contact material	Ag, gold-flashed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	5 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	50 W (at 110 V DC)
	70 W (at 220 V DC)
	500 VA (for 250 V AC)

### Dimensions

# ST-REL3-SG220/21 - Relay connectors



2822040

<https://www.phoenixcontact.com/us/products/2822040>

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

## Material specifications

Color	transparent
-------	-------------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN VDE 0160 (in relevant parts)

## Mounting

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

# ST-REL3-SG220/21 - Relay connectors

2822040

<https://www.phoenixcontact.com/us/products/2822040>

## Drawings

Circuit diagram



# ST-REL3-SG220/21 - Relay connectors



2822040

<https://www.phoenixcontact.com/us/products/2822040>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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](mailto:info@phoenixcon.com)