

ST-REL3-SG 48/21 - Relay connectors



2822095

<https://www.phoenixcontact.com/us/products/2822095>

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Relay connector, equipped Siemens KAMMRELAIS®, contacts (Ag): medium loads, 1 changeover contact, input voltage 48 V DC, with LED display, pluggable into basic terminal blocks

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

Commercial data

Item number	2822095
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6122
GTIN	4017918077242
Weight per piece (including packing)	48.51 g
Weight per piece (excluding packing)	46.27 g
Customs tariff number	85364190
Country of origin	DE

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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
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Electrical properties

Maximum power dissipation for nominal condition	0.91 W
Test voltage (Winding/contact)	1 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	48 V DC
Input voltage range	38.4 V DC ... 52.8 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	19 mA
Typical response time	8 ms (with DC)
Typical release time	15 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

Width	20.8 mm
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Height	33 mm
Depth	66.5 mm

Material specifications

Color	transparent
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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
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Drawings

Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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