

# ST-REL4-SG 48/21-21 - Relay connectors



2825487

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Relay connector, equipped Siemens KAMMRELAIS®, contacts (Ag): medium loads, 2 changeover contacts, input voltage 48 V DC, with LED display, pluggable into basic terminal blocks

## Commercial data

Item number	2825487
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6125
GTIN	4017918077785
Weight per piece (including packing)	58.67 g
Weight per piece (excluding packing)	57.09 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	01.04.2026
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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)
Test voltage (Changeover contact/changeover contact)	1 kV AC (50 Hz, 1 min., changeover contact/changeover 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, 2 changeover contacts
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

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Width	27 mm
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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## 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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