

ST-REL3-KG 48/21 - Relay connectors



2821232

<https://www.phoenixcontact.com/us/products/2821232>

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Relay connector, equipped with miniature switching relay, contacts (AgNi): medium to large loads, 1 changeover contact, input voltage 48 V AC/DC, with LED display, pluggable into basic terminal blocks

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

Commercial data

Item number	2821232
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6122
GTIN	4017918077075
Weight per piece (including packing)	38.48 g
Weight per piece (excluding packing)	35.8 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. 2×10^7 cycles

Data management status

Date of last data management	12.09.2025
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Electrical properties

Maximum power dissipation for nominal condition	0.41 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/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	8.5 mA
Typical response time	10 ms
Typical release time	10 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC) 50 W (at 48 V DC) 45 W (at 60 V DC) 35 W (at 110 V DC) 55 W (at 220 V DC) 1500 VA (for 250 V AC)

Dimensions

Width	20.8 mm
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Height	33 mm
Depth	66.5 mm

Material specifications

Color	green (RAL 6021)
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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

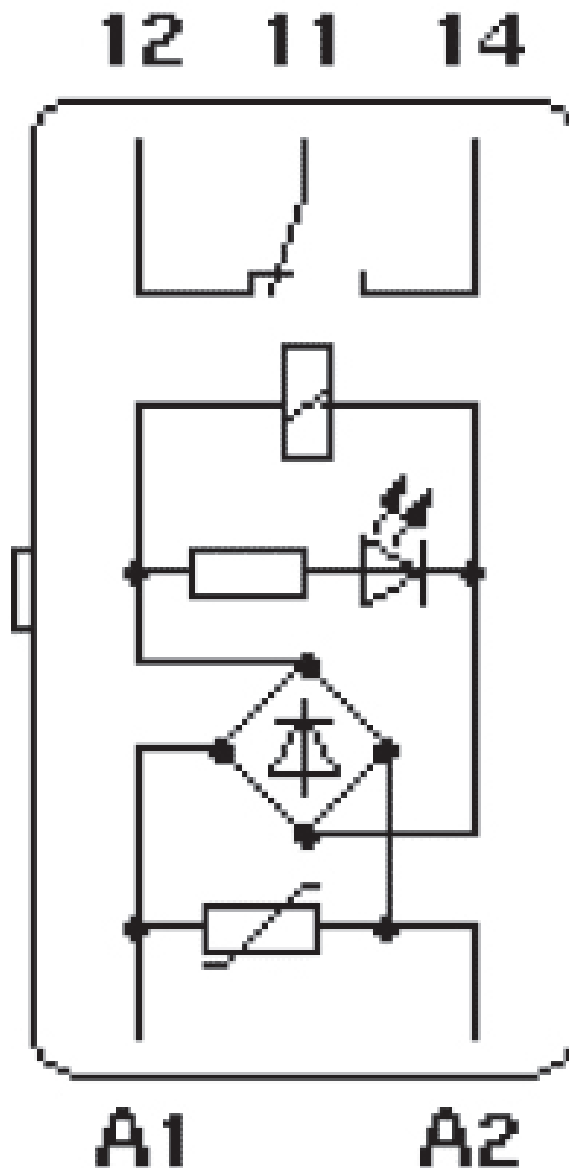
Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

Mounting

Mounting type	Plug-in mounting
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Drawings

Circuit diagram



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Classifications

UNSPSC

UNSPSC 21.0

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