

ST-REL2-KG 48/2 - Relay connectors

2823683

<https://www.phoenixcontact.com/us/products/2823683>

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The figure shows version ST-REL 2-KG 24/2

Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 N/C contact, 48 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

Commercial data

Item number	2823683
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6122
GTIN	4017918077518
Weight per piece (including packing)	33.74 g
Weight per piece (excluding packing)	33.74 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	01.04.2026
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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
Typical input current at U_N	8.5 mA
Typical response time	10 ms (with DC)
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 N/C 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) 45 W (at 110 V DC) 75 W (at 220 V DC) 1500 VA (for 250 V AC)

Dimensions

Width	14.6 mm
Height	33 mm

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Depth	66.5 mm
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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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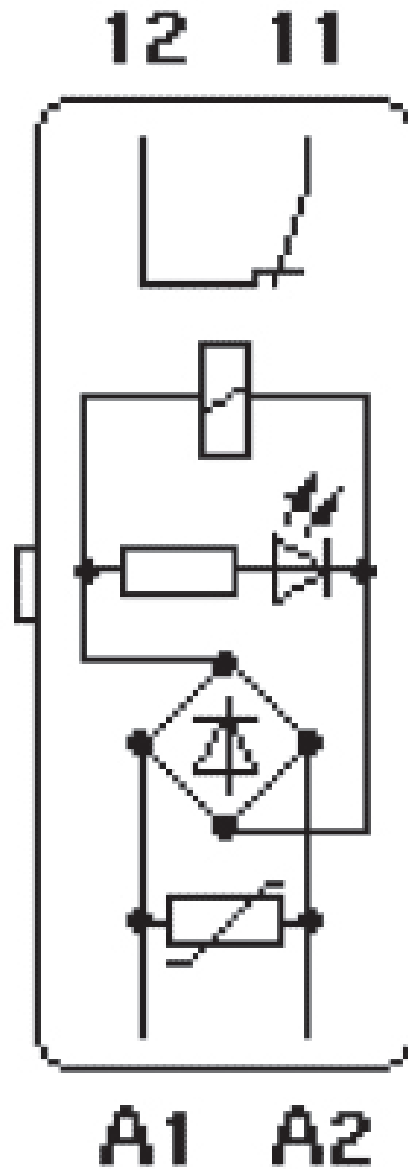
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Drawings

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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