

ST-REL2-KG 60/1 - Relay connectors



2823641

<https://www.phoenixcontact.com/us/products/2823641>

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 N/O contact, 60 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

The figure shows version ST-REL 2-KG 24/1

Commercial data

Item number	2823641
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	DK6122
GTIN	4017918077488
Weight per piece (including packing)	35.35 g
Weight per piece (excluding packing)	33.08 g
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	0.6 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	60 V AC/DC
Input voltage range	48 V AC/DC ... 66 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Drive and function	monostable
Typical input current at U_N	10 mA
Typical response time	7 ms (with DC)
Typical release time	11 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 1 N/O 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
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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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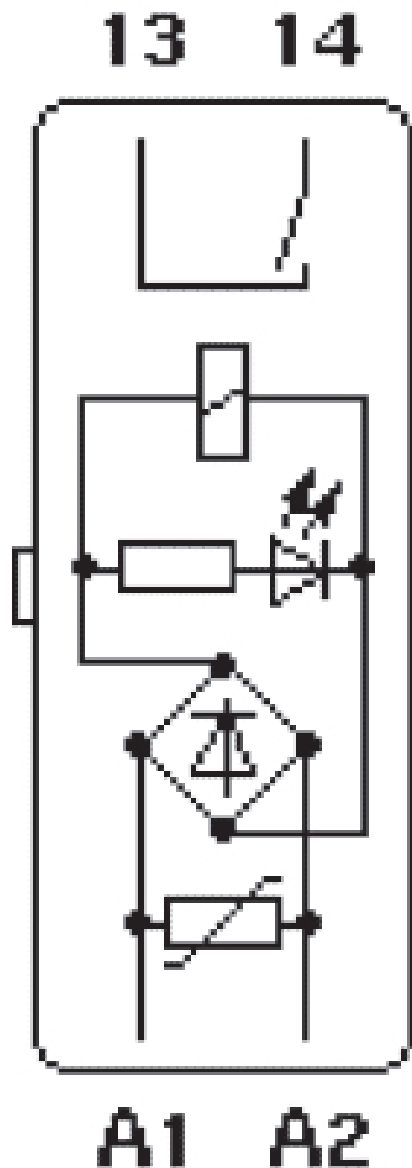
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Drawings

Circuit diagram



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Classifications

UNSPSC

UNSPSC 21.0	39122334
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

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.)	Lead(CAS: 7439-92-1)
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