

ST-REL2-KG 24/2AU - Relay connectors



2823777

<https://www.phoenixcontact.com/us/products/2823777>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Relay connector, equipped with miniature switching relay, contacts (AgPd60): small loads, 1 N/C contact, input voltage 24 V AC/DC, with light indicator, can be plugged on basic termination blocks

Commercial data

Item number	2823777
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6121
GTIN	4017918077587
Weight per piece (including packing)	35.06 g
Weight per piece (excluding packing)	35.06 g
Customs tariff number	85364190
Country of origin	DE

ST-REL2-KG 24/2AU - Relay connectors



2823777

<https://www.phoenixcontact.com/us/products/2823777>

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
------------------------------	------------

Electrical properties

Maximum power dissipation for nominal condition	0.5 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range	19.2 V AC/DC ... 26.4 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	21 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	Double contact, 1 N/C contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Limiting continuous current	0.5 A
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC 150 V DC
Limiting continuous current	2 A
Maximum inrush current	2 A

ST-REL2-KG 24/2AU - Relay connectors



2823777

<https://www.phoenixcontact.com/us/products/2823777>

Interrupting rating (ohmic load) max.	29 W (at 24 V DC)
	29 W (at 48 V DC)
	29 W (at 60 V DC)

Dimensions

Width	14.6 mm
Height	33 mm
Depth	66.5 mm

Material specifications

Color	green (RAL 6021)
-------	------------------

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
---------------	------------------

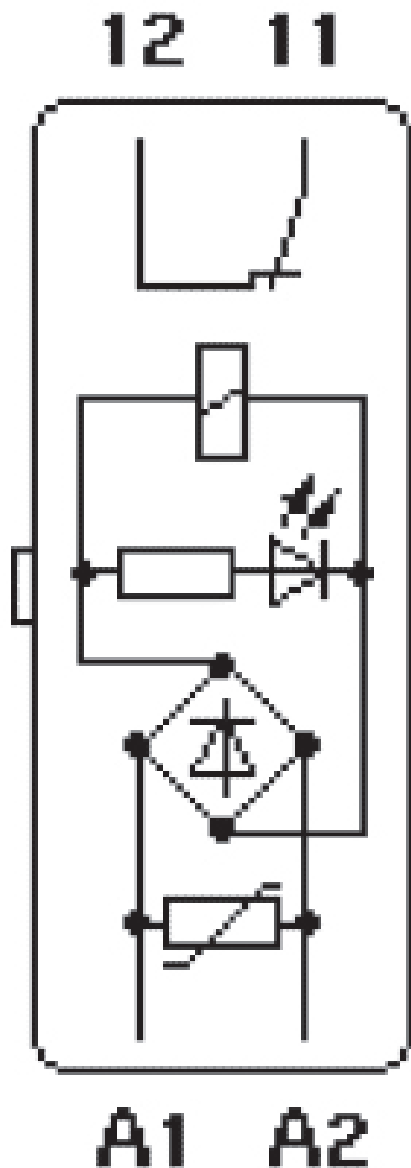
ST-REL2-KG 24/2AU - Relay connectors

2823777

<https://www.phoenixcontact.com/us/products/2823777>

Drawings

Circuit diagram



ST-REL2-KG 24/2AU - Relay connectors



2823777

<https://www.phoenixcontact.com/us/products/2823777>

Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com