

ST-REL3-KG120/21/AU/SO46 - Relay connectors

2829797

<https://www.phoenixcontact.com/us/products/2829797>



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Plug-in relay interface for protection against interference on the control side, with soldered-in miniature switching relay, contacts (Au): small loads, 1 changeover contact, input voltage 120 V AC

Your advantages

- Use of AC output cards, resulting in residual AC currents
- Resistant to interference currents
- Applications with long control lines
- High relay release voltage

Commercial data

Item number	2829797
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6121
GTIN	4017918078560
Weight per piece (including packing)	41.52 g
Weight per piece (excluding packing)	41.52 g
Customs tariff number	85364900
Country of origin	DE

Technical data

Product properties

Product type	Relay Module
Mechanical service life	approx. 2×10^7 cycles

Insulation characteristics

Insulation	Basic insulation
Overtoltage category	III
Pollution degree	2

Data management status

Date of last data management	12.09.2025
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Electrical properties

Maximum power dissipation for nominal condition	2.28 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	120 V AC
Input voltage range	102 V AC ... 132 V AC
Input voltage range in reference to U_N	0.85 ... 1.1
Drive and function	monostable
Typical input current at U_N	19 mA
Typical response time	8 ms
Typical release time	11 ms
Protective circuit	Bridge rectifier; Bridge rectifier
	Surge protection; Varistor
	RC element; RC element
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	Double contact, 1 changeover contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC
Limiting continuous current	0.5 A
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	5 W

Dimensions

Width	20.8 mm
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Height	42.5 mm
Depth	112 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

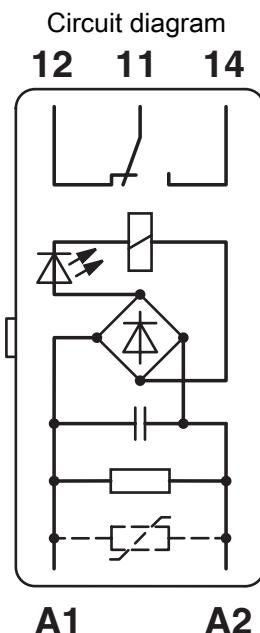
Standards and regulations

Standards/regulations	IEC 60664
	EN 50178

Mounting

Mounting type	Plug-in mounting
Mounting position	any

Drawings



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