

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	CK6121
Catalog page	Page 446 (C-5-2019)
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

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Technical data

Product properties

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

Data management status

Date of last data management	22.02.2024
Article revision	05

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

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

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



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Width	20.8 mm
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

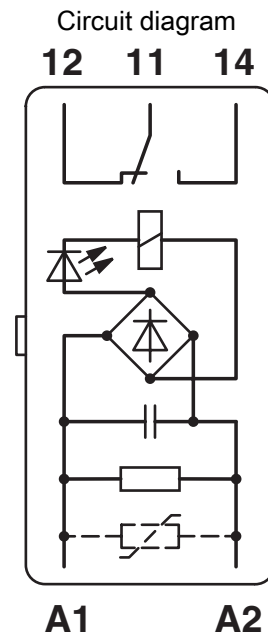
ST-REL3-KG120/21/AU/SO46 - Relay connectors



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Drawings



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



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Classifications

ECLASS

ECLASS-11.0	27371601
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ST-REL3-KG120/21/AU/SO46 - Relay connectors



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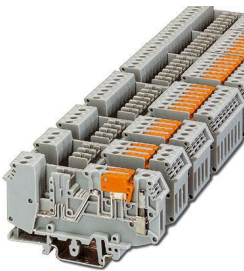
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Accessories

URELG 3-PMTK - Basic terminal block

2820709

<https://www.phoenixcontact.com/us/products/2820709>



Basic terminal blocks with test pick-off on both sides and knife disconnection for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 3-pos.

UDK-RELG 3 - Basic terminal block

2777043

<https://www.phoenixcontact.com/us/products/2777043>



Basic terminal blocks with test pick-off on both sides and double connections with the same potential for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 3-pos.

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



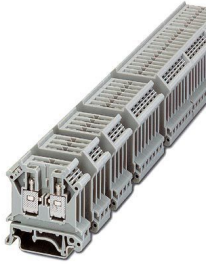
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URELG 3 - Basic terminal block

2820136

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Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

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