

PLC-RSC-120UC/1/SEN/SO46 - Relay Module



5603595

<https://www.phoenixcontact.com/us/products/5603595>

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PLC-INTERFACE for input functions, consisting of PLC-BSC.../SEN basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 120 V AC/110 V DC

Your advantages

- Time savings of up to 60 %
- No need for additional modular terminal blocks
- Efficient connection to system cabling using V8 adapter
- Relay modules with safe isolation according to DIN EN 50178 between coil and contact
- Space savings of up to 80 %
- Sensor connected directly to relay module
- Functional plug-in bridges

Commercial data

Item number	5603595
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C461
Product key	CK6216
GTIN	4046356686150
Weight per piece (including packing)	33.33 g
Weight per piece (excluding packing)	33.33 g
Customs tariff number	85364190
Country of origin	DE

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Technical data

Notes

Trade restriction

CE note

The products are offered exclusively for export outside the EU and the European Economic Area.

Product properties

Product type	Relay Module
Application	Input function
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles

Insulation characteristics: Standards/regulations

Overvoltage category	III
Pollution degree	3

Input data

Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Typical input current at U _N	3.5 mA
Typical response time	6 ms
Typical release time	15 ms
Protective circuit	Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
	0.2 mm ² ... 2.5 mm ² (Single ferrule)
	2x 0.5 mm ² ... 1.5 mm ² (TWIN ferrule)

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Conductor cross section AWG	26 ... 14
Tightening torque	0.6 Nm ... 0.8 Nm

Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

Material specifications

Flammability rating according to UL 94	V0 (Housing)
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

Standards/regulations

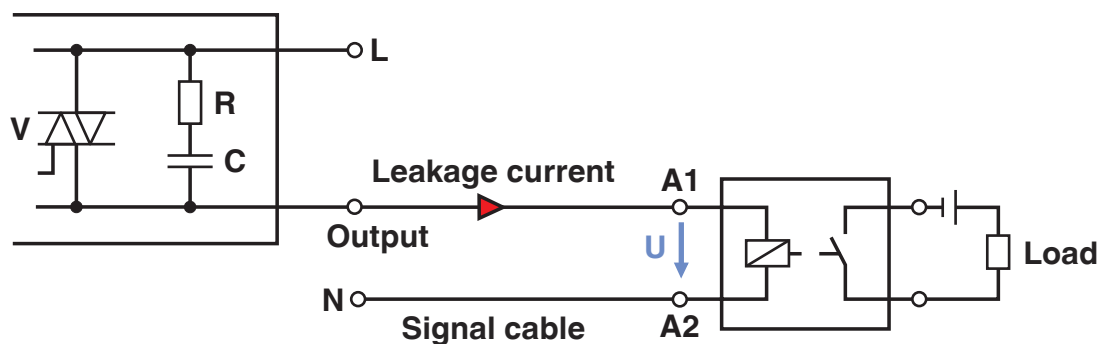
Standards/regulations	IEC 60664
	EN 50178

Mounting

Assembly instructions	in rows with zero spacing
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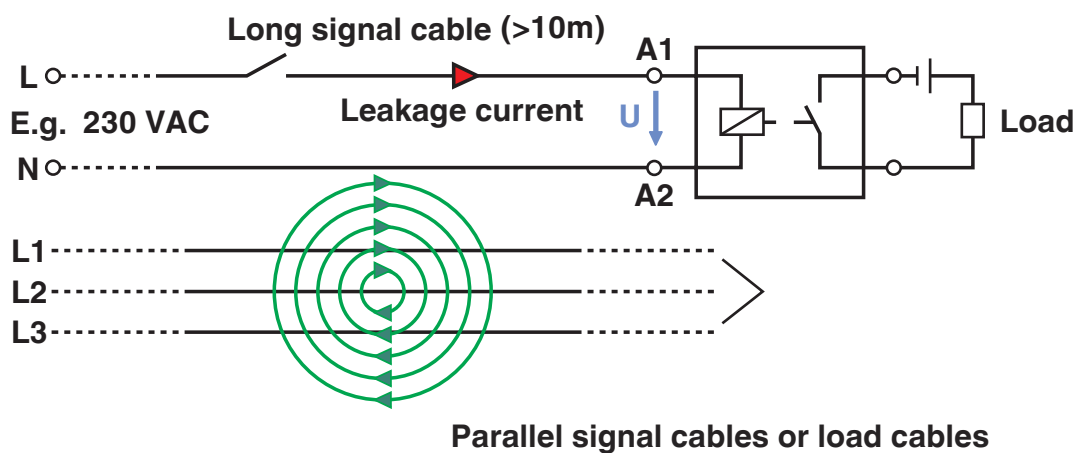
Drawings

Application drawing



Occurrence of interference signals
Scenario 1: controller - AC output card

Application drawing



Occurrence of interference signals
Scenario 2: long signal cables

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/5603595>



cULus Listed

Approval ID: E140324

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Classifications

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 8.0	EC001437
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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