

# PLC-RSC- 5DC/1/SSI - Relay Module



1094759

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PLC-INTERFACE, consisting of basic terminal block with screw connection and plug-in miniature relay with internal amplifier circuit and an appropriate auxiliary supply for weak signal sources, 1 N/O contact, 5 V DC nominal input voltage

## Commercial Data

Item number	1094759
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to Order (non-returnable)
Sales Key	CK6
Product Key	CK621A
GTIN	4055626918891
Weight per Piece (including packing)	36.17 g
Weight per Piece (excluding packing)	32.12 g
Customs tariff number	85364190
Country of origin	DE

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## Set consists of

### PLC-BSC- 5DC/1/SSI - Relay base

1094751

<https://www.phoenixcontact.com/in/products/1094751>



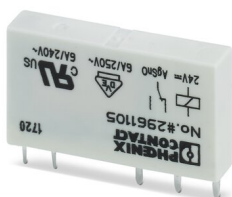
6.2 mm PLC basic terminal block with screw connection, without relay or solid-state relay, internal amplifier circuit, and an appropriate auxiliary supply for weak signal sources, 5 V DC nominal input voltage

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### REL-MR- 24DC/21 - Single relay

2961105

<https://www.phoenixcontact.com/in/products/2961105>



Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 24 V DC

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## Technical Data

### Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	weak signal sources
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles

### Electrical properties

Maximum power dissipation for nominal condition	0.22 W
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### Supply

Nominal supply voltage	24 V DC
Input current	9 mA

### Input data

#### Coil side

Nominal input voltage $U_N$	5 V DC
Input voltage range	4.5 V DC ... 6 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at $U_N$	1 mA
Typical response time	5 ms
Typical release time	7 ms
Protective circuit	Reverse polarity protection Surge protection
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact type	1 N/O contact
Type of switch contact	Single contact
Type of contact	Power contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	10 A (4 s)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	140 W (at 24 V DC) 20 W (at 48 V DC) 18 W (at 60 V DC)

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	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity min.	120 mW

## Connection data

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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Relay base)	IP20 (Relay base)
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m

## Approvals

### Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

## Standards and regulations

Standards/regulations	EN 50178
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## Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

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