

PLC-RSC-24DC/1/SSI - Relay Module



1094761

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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, 24 V DC nominal input voltage

Commercial Data

Item number	1094761
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK621A
GTIN	4055626918938
Weight per Piece (including packing)	36.545 g
Weight per Piece (excluding packing)	32.12 g
Customs tariff number	85364190
Country of origin	DE

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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 ⁷ 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	24 V DC
Input voltage range	19.2 V DC ... 28.8 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 switching 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 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)
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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