

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



2966249

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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 power contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 120 V AC/110 DC

Commercial Data

Item number	2966249
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK621A
GTIN	4017918130954
Weight per Piece (including packing)	39.43 g
Weight per Piece (excluding packing)	39.43 g
Customs tariff number	85364900
Country of origin	DE

Technical Data

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
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

Electrical properties

Maximum power dissipation for nominal condition	0.42 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range	93.6 V AC/DC ... 168 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
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	yes

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 (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or ...FBST 500...)
Minimum switching voltage	12 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	on request
Min. switching current	10 mA
	140 W (at 24 V DC)

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Interrupting rating (ohmic load) max.	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)

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

Material specifications

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

Ambient conditions

Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

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

Standards and regulations

Standards/regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
	DIN EN 50178/VDE 0160 (in relevant parts)
	DIN EN 50178/VDE 0160

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	IEC 60255/DIN VDE 0435 (in relevant parts)
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Mounting

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

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