

PLC-RSC-120UC/21-21/SO46 - Relay Module



1125985

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PLC-INTERFACE for protection against interference currents/voltages on the control side. Consisting of PLC-BSC-120UC/21-21/SO46 basic terminal block with screw connection and plug-in miniature relay with power contact up to 2x 8 A, 2 changeover contacts, 120 V AC input voltage

Commercial Data

Item number	1125985
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	*****
Product Key	CK621C
GTIN	4063151052515
Weight per Piece (including packing)	77.47 g
Weight per Piece (excluding packing)	56.43 g
Country of origin	IN

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Technical Data

Notes

Note on the material

General	Separating plate PLC-ATP must 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....
General	The PLC-ATP separating plate should be installed for safe isolation between adjacent modules
General	The PLC-ATP separating plate is required at the start and end of every PLC terminal strip.
General	The system installer must ensure the touch protection of the product (at voltages > 25 V AC/60 V DC). The product is a built-in device without protection against direct contact.

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Filter to prevent interference
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics

Insulation	Basic insulation
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Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.84 W
Test voltage (Winding/contact)	4 kV _{rms} (50 Hz, 1 min., winding/contact)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	4 kV (Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths)

Input data

Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range	94.8 V AC ... 168 V AC (20 °C)
	93.5 V DC ... 168.3 V DC (20 °C)

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Mains frequency	50/60 Hz
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	6 mA (50 Hz) 7 mA (60 Hz)
Typical response time	7 ms
Typical release time	10 ms
Typical release voltage	16 V AC
Coil voltage	110 V DC
Protective circuit	Bridge rectifier RC element
Status display	Yellow LED

Output data

Switching

Contact type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (10 mA)
Limiting continuous current	6 A
Maximum inrush current	15 A (300 ms)
Min. switching current	10 mA (5 V)
Interrupting rating (ohmic load) max.	144 W (24 V DC) 96 W (48 V DC) 60 W (60 V DC) 44 W (110 V DC) 57 W (220 V DC) 1500 VA (250 V AC)
Switching capacity min.	0.12 W
Switching capacity	2 A (at 24 V, DC13) 0.2 A (at 250 V, DC13) 3 A (at 24 V, AC15) 3 A (at 250 V, AC15)

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

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Tightening torque	0.6 Nm ... 0.8 Nm
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Dimensions

Width	14 mm
Height	80 mm
Depth	94 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Degree of protection (Installation location)	IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 55 °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

Air clearances and creepage distances between the power circuits

Standards/regulations	IEC 60947-5-1
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Mounting

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

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