

PLC-RSC-120UC/21-21AU/MS - Relay Module



2910511

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PLC-INTERFACE, consisting of a relay base and pluggable multilayer gold contact relay with manual operation, integrated status LED, Screw connection, 2 changeover contacts, Bridge rectifier, Input voltage: 120 V AC / 110 V DC

Commercial Data

Item number	2910511
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	CK6
Product Key	CK621D
Catalog Page	Page 369 (C-5-2019)
GTIN	4055626486659
Weight per Piece (including packing)	79.8 g
Weight per Piece (excluding packing)	67 g
Customs tariff number	85364900
Country of origin	DE

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Technical Data

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Palm switch
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁶ cycles

Insulation characteristics

Insulation	Safe isolation, reinforced insulation
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Insulation characteristics: Standards/regulations

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.54 W
Test voltage (Winding/contact)	4 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2.5 kV _{rms} (50 Hz, 1 min., changeover contact/changeover contact)

Standards/regulations

Rated insulation voltage	250 V AC
Rated surge voltage	6 kV

Input data

Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range	96 V AC ... 168 V AC (20 °C)
	93.5 V DC ... 154 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U _N	5 mA
Typical response time	6 ms (110 V DC)
	3 ms ... 15 ms (120 V AC)
Typical release time	10 ms (110 V DC)
Typical release time range	3 ms ... 15 ms (120 V AC)
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

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Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	12 V (1 mA)
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Min. switching current	1 mA (12 V)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (10 mA)
Limiting continuous current	6 A
Maximum inrush current	12 A (20 ms)
Min. switching current	10 mA (12 V)
Interrupting rating (ohmic load) max.	192 W (24 V DC) 62 W (48 V DC) 42 W (60 V DC) 55 W (110 V DC) 66 W (220 V DC) 2000 VA (250 V AC)
Switching capacity	1 A (24 V, DC13) 1.5 A (230 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
Tightening torque	0.6 Nm ... 0.8 Nm

Dimensions

Width	14 mm
Height	80 mm
Depth	104 mm

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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)	RT II (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °C
Altitude	≤ 2000 m

Approvals

UL, USA

Identification	UL 508
	UL 508 Recognized

UL, USA/Canada

Identification	UL 508
	UL 508 Recognized

Corrosive gas test

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

Standards and regulations

Standards/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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