

PLC-RSC- 24UC/21-21/MS - Relay Module



2910503

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PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED, Screw connection, 2 changeover contacts, Bridge rectifier, Input voltage: 24 V AC/DC

Commercial Data

Item number	2910503
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C461
Product Key	CK621C
Catalog Page	Page 368 (C-5-2019)
GTIN	4055626486086
Weight per Piece (including packing)	80.57 g
Weight per Piece (excluding packing)	67 g
Customs tariff number	85364190
Country of origin	DE

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: Control side / contact side
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Insulation characteristics: Standards/regulations

Insulation	Safe isolation: Control side / contact side
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.44 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2.5 kV AC (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	24 V AC/DC
Input voltage range	20.6 V AC/DC ... 33.6 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	18 mA
Typical response time	3 ms ... 15 ms
Typical release time range	3 ms ... 15 ms
Coil voltage	24 V DC
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact

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Contact material	AgNi
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 (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

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 ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °C
Altitude	≤ 2000 m

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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com