

2900335

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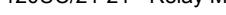
PLC-INTERFACE, consisting of PLC-BPT.../21-21 basic terminal block with Push-in connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 2 changeover contacts, input voltage 120 V AC/DC

Your advantages

- · Slim design
- · Efficient connection to system cabling using V8 adapter
- · Safe isolation according to DIN EN 50178 between coil and contact
- · RT III sealed relay
- · Integrated input circuit and interference suppression circuit
- Functional plug-in bridges

Commercial Data

Item number	2900335
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK623C
Catalog Page	Page 366 (C-5-2019)
GTIN	4046356507288
Weight per Piece (including packing)	71.15 g
Weight per Piece (excluding packing)	71.15 g
Customs tariff number	85364900
Country of origin	DE



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Set consists of

PLC-BPT-120UC/21-21 - Relay base

2900287

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14 mm PLC basic terminal block with Push-in connection, without relay or solidstate relay, for mounting on DIN rail NS 35/7,5, 2 changeover contacts, input voltage 120 V AC/DC

REL-MR-110DC/21-21 - Single relay

2961202

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Plug-in miniature power relay, with power contact, 2 changeover contacts, input voltage 110 V DC



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Technical Data

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Universal
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles
Insulation characteristics	

Insulation characteristics	
Insulation	Safe isolation of input/output
Overvoltage category	III
Pollution degree	3

Safe isolation of input/output

Electrical properties

Insulation

Maximum power dissipation for nominal condition	0.5 W
Rated surge voltage	6 kV

Input data

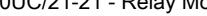
Coil side

Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range	102 V AC 168 V AC (20 °C)
	85.8 V DC 154 V DC (20 °C)
Typical input current at U _N	4.2 mA (at 110 V DC)
	4.5 mA (at 120 V AC)
Typical response time	7 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact type	2 changeover contacts
Type of switch contact	Single contact
Drive and function	monostable
Drive (polarity)	polarized
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



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	carried out with FBST 8-PLC orFBST 500)
Minimum switching voltage	5 V AC/DC (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.	140 W (at 24 V DC)
	85 W (at 48 V DC)
	60 W (at 60 V DC)
	44 W (at 110 V DC)
	60 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	0.2 A (at 250 V, DC13)
	3 A (at 250 V, AC15)

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.14 mm² 2.5 mm²
Conductor cross section flexible	0.14 mm² 2.5 mm²
	0.2 mm² 2.5 mm² (Single ferrule)
	2x 0.5 mm² 1 mm² (TWIN ferrule)
Conductor cross section AWG	26 14

Dimensions

Width	14 mm
Height	80 mm
Depth	94 mm

Material specifications

Flammability rating according to UL 94	V0 (Housing)
3	- (

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-40 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

Approvals

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group



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	EN 60068-2-60
Standards and regulations	
Standards/regulations	IEC 60947-5-1
Mounting	
Mounting type	DIN rail mounting
Mounting type Assembly instructions	DIN rail mounting in rows with zero spacing

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