# PLC-RSP-12DC/21/C1D2 - Relay

#### 5606332

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PLC-INTERFACE, consisting of DIN rail-mountable basic terminal block with spring-cage connection and plug-in miniature relay with power contact, 1 changeover contact, input voltage: 12 V DC, UL/cUL: approved for use in Ex Zone Class I, Div. 2

### Commercial data

Item number	5606332
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK6221
Catalog page	Page 413 (C-7-2015)
GTIN	4046356686389
Weight per piece (including packing)	31.06 g
Weight per piece (excluding packing)	31.06 g
Customs tariff number	85364190
Country of origin	DE

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## Technical data

#### **Product properties**

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Class I, Division 2
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles
Insulation characteristics: Standards/regulations Overvoltage category	111
	III 3
Overvoltage category	

4 kV AC (50 Hz, 1 min., winding/contact)

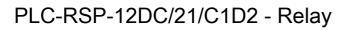
# Input data

Test voltage (Winding/contact)

Coil side	
Nominal input voltage U <sub>N</sub>	12 V DC
Drive and function	monostable
Typical input current at U <sub>N</sub>	15.3 mA
Typical response time	5 ms
Typical release time	8 ms
Protective circuit	Reverse polarity protection; Polarity protection diode
	Reverse polarity protection; Polarity protection diode
Operating voltage display	Yellow LED

#### Output data

Switching	
Contact switching type	1 changeover 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 orFBST 500)
Minimum switching voltage	12 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	10 A (4 s)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)



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23 W (at 110 V DC)
40 W (at 220 V DC)
1500 VA (for 250 V AC)

#### Connection data

Coil side

Connection method	Spring-cage connection
Conductor cross section rigid	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section AWG	26 14
Connection method	Spring-cage connection
contact side	Spring-cage connection 0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
contact side Connection method	

#### Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

#### Material specifications

Color	green (RAL 6021)
Flammability rating according to UL 94	V0 (Housing)

#### Environmental and real-life conditions

Ambient conditions

Mounting type

Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-20 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

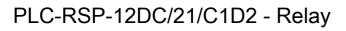
#### Approvals

CE	
Certificate	CE-compliant
Standards and regulations	
Standards/regulations	
Standards/regulations	IEC 60664
	EN 50178
Mounting	

DIN rail mounting

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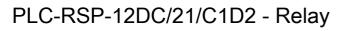
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Assembly instructions	in rows with zero spacing
Mounting position	any



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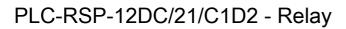
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# Classifications

#### ECLASS

ECLASS-11.0

27371601



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### Environmental product compliance

China RoHS

Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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