

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

5606332

<https://www.phoenixcontact.com/pc/products/5606332>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

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



5606332

<https://www.phoenixcontact.com/pc/products/5606332>

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 ⁷ cycles

Insulation characteristics: Standards/regulations

Overvoltage category	III
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.74 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U _N	12 V DC
Drive and function	monostable
Typical input current at U _N	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... or ...FBST 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)

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



5606332

<https://www.phoenixcontact.com/pc/products/5606332>

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 ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Contact side

Connection method	Spring-cage connection
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

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

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

Mounting type	DIN rail mounting
---------------	-------------------

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



5606332

<https://www.phoenixcontact.com/pc/products/5606332>

Assembly instructions	in rows with zero spacing
Mounting position	any

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



5606332

<https://www.phoenixcontact.com/pc/products/5606332>

Classifications

ECLASS

ECLASS-11.0	27371601
-------------	----------

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



5606332

<https://www.phoenixcontact.com/pc/products/5606332>

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"

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com