

PLC-RSP- 36DC/21AU - Relay module



2900172

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PLC interface, with spring-cage connection and plug-in miniature relay, for mounting on DIN rail NS 35/7.5, 1 changeover contact (AU), input voltage 36 V DC

Your advantages

- Slim design

Commercial data

Item number	2900172
Packing unit	10 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	DK622Y
GTIN	4046356484978
Weight per piece (including packing)	32.87 g
Weight per piece (excluding packing)	32.87 g
Country of origin	DE

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Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Relay Module
Product family	PLC-INTERFACE

Insulation characteristics: Air clearances and creepage distances, input

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Insulation characteristics: Air clearances and creepage distances, output

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	12.09.2025
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Electrical properties

Maximum power dissipation for nominal condition	0.33 W
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Air clearances and creepage distances, input

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV

Air clearances and creepage distances, output

Rated insulation voltage	260 V
Rated surge voltage	2.3 kV

Air clearances and creepage distances, input/output

Rated insulation voltage	280 V
Rated surge voltage	6 kV

Input data

Coil side

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Nominal input voltage U_N	36 V DC
Input voltage range	0 V DC ... 0 V DC
Drive and function	monostable
Typical input current at U_N	9.2 mA
Typical response time	5 ms
Typical release time	8 ms
Protective circuit	Reverse polarity protection; Polarity protection diode Freewheeling diode; Freewheeling diode
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	Ag alloy, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	100 mV
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	1.2 VA (at 24 V DC)

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 AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
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) 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	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²

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Conductor cross-section AWG	14 ... 24
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Contact side

Connection method	Spring-cage connection
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	14 ... 24

Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Ambient temperature (operation)	-20 °C ... 50 °C

Standards and regulations

Air clearances and creepage distances, input

Standards/regulations	EN 50178
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Air clearances and creepage distances, output

Standards/regulations	EN 50178
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Air clearances and creepage distances, input/output

Standards/regulations	EN 50178
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com