

# Relay Module - PLC-RSP- 36DC/21AU - 2900172

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PLC INTERFACE, with spring-cage connection and plug-in miniature relay, for mounting on NS 35/7,5 DIN rail, 1 PDT (AU), input voltage 36 V DC

## Your advantages

- Slim design



## Key Commercial Data

Packing unit	10 pc
Minimum order quantity	100 pc
GTIN	 4 046356 484978
GTIN	4046356484978

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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### Coil side

Nominal input voltage $U_N$	36 V DC
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
	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.33 W

### Contact side

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## Technical data

### Contact side

Contact type	1 PDT
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
Min. switching current	1 mA
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 VA (at 24 V DC)

### Contact side (with destroyed gold layer)

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 input side

Connection name	Coil side
Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	14 ... 24

### Connection data output side

Connection name	Contact side
Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	14 ... 24

### General

Degree of protection	RT III (Relay)
Mounting position	any
Assembly instructions	In rows with zero spacing

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## Technical data

### Standards and Regulations

Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances, input
Standards/regulations	EN 50178
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	II
Designation	Air clearances and creepage distances, output
Standards/regulations	EN 50178
Rated insulation voltage	260 V
Rated surge voltage	2.3 kV
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	II
Designation	Air clearances and creepage distances, input/output
Standards/regulations	EN 50178
Rated insulation voltage	280 V
	280 V
Rated surge voltage	6 kV
Insulation	Reinforced insulation
Degree of pollution	2
Overvoltage category	III

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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