

# Single relay - REL-IR4/LDP- 12DC/4X21 - 2903676

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Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 12 V DC



## Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 046356 758895
GTIN	4046356758895
Weight per Piece (excluding packing)	34.030 g
Custom tariff number	85364190
Country of origin	Poland

## Technical data

### Dimensions

Width	21.2 mm
Height	27.5 mm
Depth	35.6 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	RT I

### Coil side

Nominal input voltage $U_N$	12 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	78 mA
Typical response time	13 ms

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## Technical data

### Coil side

Typical release time	14 ms
Protective circuit	Damping diode
Status display	Yellow LED
Power dissipation for nominal condition	0.94 W

### Contact side

Contact type	4 PDTs
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Min. switching current	5 mA (at 24 V)
Maximum inrush current	16 A (20 ms, N/O contact)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	48 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity min.	0.12 W
Switching capacity	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	1.5 A (at 24 V, AC15)
	1.5 A (at 120 V, AC15)
	1 A (at 240 V, AC15)
Motor load according to UL 508	1/3 HP, 240 V AC

### General

Test voltage relay winding/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Test voltage PDT/PDT	2 kV <sub>rms</sub> (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. 2x 10 <sup>7</sup> cycles
Service life, electrical	see diagram
Mounting position	any

### Connection data

Connection method	Plug connection
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### Standards and Regulations

Connection in acc. with standard	CSA
Standards/regulations	IEC 60664