

# Single relay - REL-IR/LDP- 24DC/4X21AU - 2834096

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Pluggable industrial relays with power contacts and additional hard gold plating, 4 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, coil voltage: 24 V DC

## Why buy this product

- With detectable manual operation
- Mechanical switch position indicator
- DC types with integrated freewheeling diode
- Integrated status LED

## Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 017918 941666
GTIN	4017918941666
Weight per Piece (excluding packing)	38.560 g
Custom tariff number	85364190
Country of origin	Japan

## Technical data

### Dimensions

Width	21.5 mm
Height	28 mm
Depth	36 mm

### Ambient conditions

Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 70 °C

### Coil side

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## Technical data

### Coil side

Nominal input voltage $U_N$	24 V DC
Typical input current at $U_N$	38 mA
Typical response time	13 ms
Typical release time	14 ms
Coil resistance	636 $\Omega$ $\pm$ 15 % (at 20 °C)
Power dissipation for nominal condition	0.91 W

### Contact side

Contact type	4 PDTs
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Min. switching current	1 mA
Maximum inrush current	12 A (15 ms)
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

### General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	5 x 10 <sup>7</sup> cycles
Mounting position	any
Assembly instructions	On relay base PR2

### Connection data input side

Connection name	Coil side
Connection method	Plug / solder connection

### Connection data output side

Connection name	Contact side
Connection method	Plug / solder connection

### Standards and Regulations

Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Degree of pollution	2
Overvoltage category	II

### Environmental Product Compliance