

# Single relay - REL-IR/LDP- 24DC/2X21 - 2834025

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Pluggable industrial relays with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, input voltage 24 V DC

## Product Features

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

## Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 941628
Weight per Piece (excluding packing)	38.38 g
Custom tariff number	85364900
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

Nominal input voltage $U_N$	24 V DC
Typical input current at $U_N$	38 mA
Typical response time	13 ms
Typical release time	5 ms
Coil resistance	636 $\Omega$ $\pm$ 15 % (at 20 °C)
Power dissipation for nominal condition	0.91 W

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## Technical data

### Contact side

Contact type	2 PDT
Contact material	Ag
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V
Min. switching current	1 mA
Maximum inrush current	20 A (15 ms)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

### 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

### 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
Mechanical service life	5 x 10 <sup>7</sup> cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Pollution degree	2
Overvoltage category	II
Mounting position	any
Assembly instructions	On relay base PR2

## Classifications

### eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601

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## Classifications

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515