

# Single relay - REL-OR2/LDP-220DC/2X21 - 2907026

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Plug-in octal relay with power contacts, 2 change-over contacts, test key, mechanical switch position display, coil voltage: 220 V DC, response voltage at 23 °C without pre-excitation  $\geq 60\%$  ...  $80\%$  of the rated voltage ( $\geq 132\text{ V DC}$  ...  $\leq 176\text{ V DC}$ )



## Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4055626159942
Weight per Piece (excluding packing)	91.530 g
Custom tariff number	85364900
Country of origin	Poland

## Technical data

### Dimensions

Width	35 mm
Height	35 mm
Depth	54.4 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 $U_N$	220 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	8 mA
Typical response time	18 ms
Typical release time	7 ms

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## Technical data

### Coil side

Protective circuit	Damping diode
Status display	Yellow LED
Power dissipation for nominal condition	1.76 W

### Contact side

Contact type	2 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	10 V (At 24 mA)
Min. switching current	10 mA (at 24 V)
Maximum inrush current	30 A (20 ms, N/O contact)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	240 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)
	2500 VA (for 250 V AC)
Switching capacity min.	0.24 W
Switching capacity	2 A (at 24 V, DC13)
	1.5 A (at 230 V, AC15)

### 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	1x 10 <sup>7</sup> cycles, approximately
Mounting position	any

### Connection data

Connection method	Plug connection
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### Standards and Regulations

Standards/regulations	IEC 60664
	IEC 61810
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV
Insulation	Basic insulation
Pollution degree	3
Overvoltage category	III

### Environmental Product Compliance