

## Single relay - REL-OR/LDP-110DC/1/MB - 2901902

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Plug-in octal relay with power contacts, specially designed for switching high DC loads, 1 N/O contact, detectable manual operation, status LED, blowout magnet, coil voltage: 110 V DC

The figure shows the 24 V DC version

### Product Features



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	92.0 GRM
Custom tariff number	85364900
Country of origin	India

### Technical data

#### Dimensions

Width	35 mm
Height	35 mm
Depth	58.5 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

#### Coil side

Nominal input voltage $U_N$	110 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	13 mA
Power dissipation for nominal condition	1.43 W

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## Technical data

### Coil side

Typical response time	20 ms
Typical release time	30 ms
Coil resistance	9.2 kΩ ±10 %
Operating voltage display	Yellow LED
Protective circuit	Damping diode

### Contact side

Contact type	Single contact, 1 N/O contact (series connection, 2 N/O contacts) with blowout magnet
Contact material	AgNi
Maximum switching voltage	250 V AC 220 V DC
Minimum switching voltage	10 V (at 10 mA)
Maximum inrush current	30 A (20 ms)
Min. switching current	10 mA (at 10 V)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	3.6 A (at 24 V, DC13) 3.6 A (at 110 V, DC13) 2 A (at 220 V, DC13) 6 A (at 24 V, AC15) 6 A (at 120 V, AC15) 6 A (at 250 V, AC15)

### General

Test voltage relay winding/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 10 <sup>7</sup> cycles
Standards/regulations	IEC 61810 EN 60947
Pollution degree	3
Surge voltage category	III
Mounting position	any
Assembly instructions	On relay base PR3

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## 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

### ETIM

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cUL Recognized / UL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

UL Recognized
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## Approvals

cUL Recognized

cUL Recognized

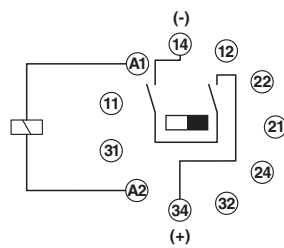
UL Recognized

EAC

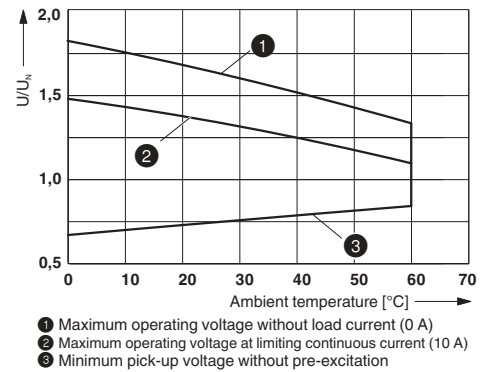
cULus Recognized

## Drawings

Circuit diagram



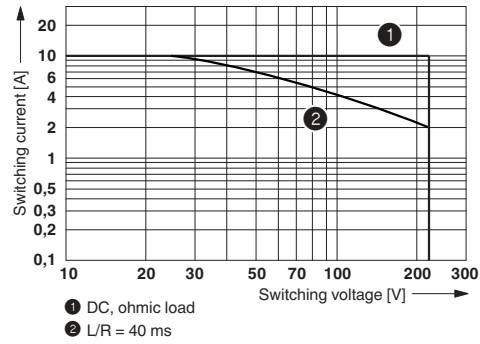
Diagram



Operating voltage range of the relay

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Diagram



DC interrupting rating

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