

# Single relay - REL-OR/LDP- 24DC/1 - 2901908

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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, coil voltage: 24 V DC



## Key Commercial Data

Packing unit	10 STK
GTIN	
GTIN	4046356667241

## 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 $U_N$	24 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	55 mA
Typical response time	20 ms
Typical release time	30 ms
Protective circuit	Damping diode
Operating voltage display	Yellow LED
Coil resistance	443 $\Omega$ $\pm$ 10 %
Power dissipation for nominal condition	1.32 W

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## Technical data

### Contact side

Contact type	1 N/O contact
Type of switch contact	Single contact
Note regarding the switch contact	Series connection, 2 N/O contacts
Contact material	AgNi
Maximum switching voltage	250 V AC 220 V DC
Minimum switching voltage	10 V (at 10 mA)
Min. switching current	10 mA (at 10 V)
Maximum inrush current	30 A (20 ms)
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	1.2 A (110 V (DC13)) 0.3 A (220 V DC/230 V AC (DC13)) 6 A (220 V DC/230 V AC (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
Mounting position	any
Assembly instructions	On relay base PR3

### Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 61810 EN 60947
Degree of pollution	3
Overvoltage category	III

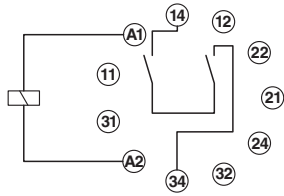
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

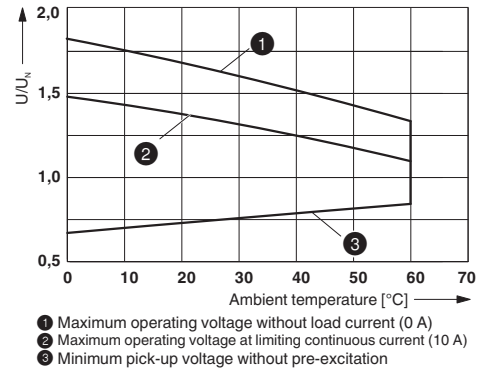
## Drawings

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Circuit diagram

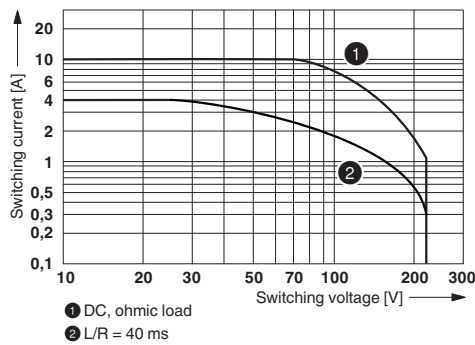


Diagram



Operating voltage range of the relay

Diagram



## DC interrupting rating

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