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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Single relay - REL-OR/LDP- 24DC/1/MB - 2901901


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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: 24 V DC

RoHS

### Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 667487
GTIN	4046356667487

### 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 with blowout magnet
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	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
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

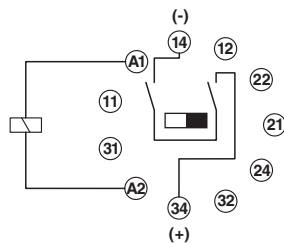
### Environmental Product Compliance

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

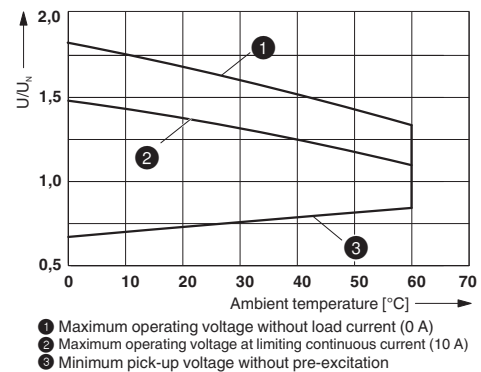
## Drawings

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Circuit diagram

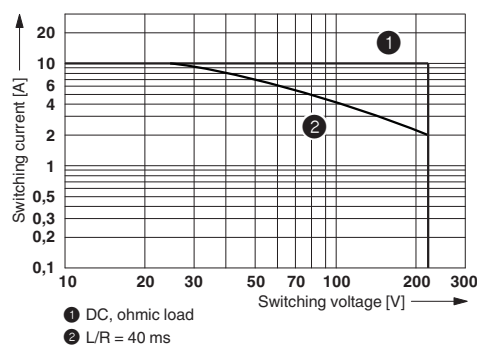


Diagram



Operating voltage range of the relay

Diagram



DC interrupting rating

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