

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 Ω \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 _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 10 ⁷ 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

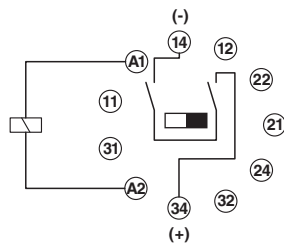
Environmental Product Compliance

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

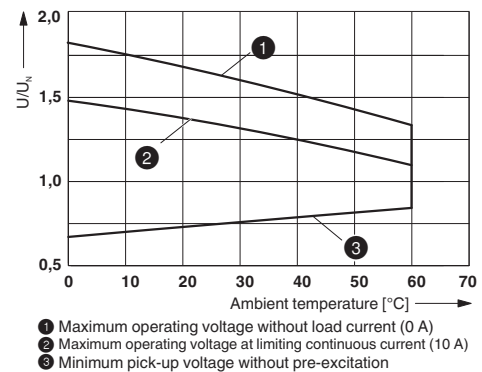
Drawings

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Circuit diagram

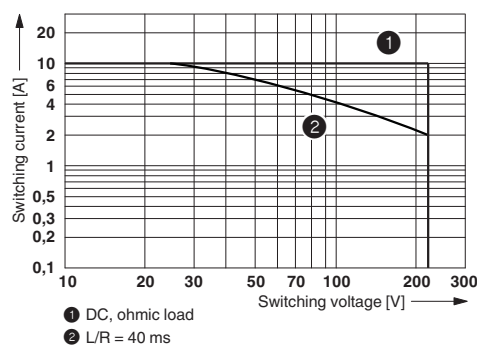


Diagram



Operating voltage range of the relay

Diagram



DC interrupting rating

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