

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 pc
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)

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
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
Pollution degree	3
Overvoltage category	III

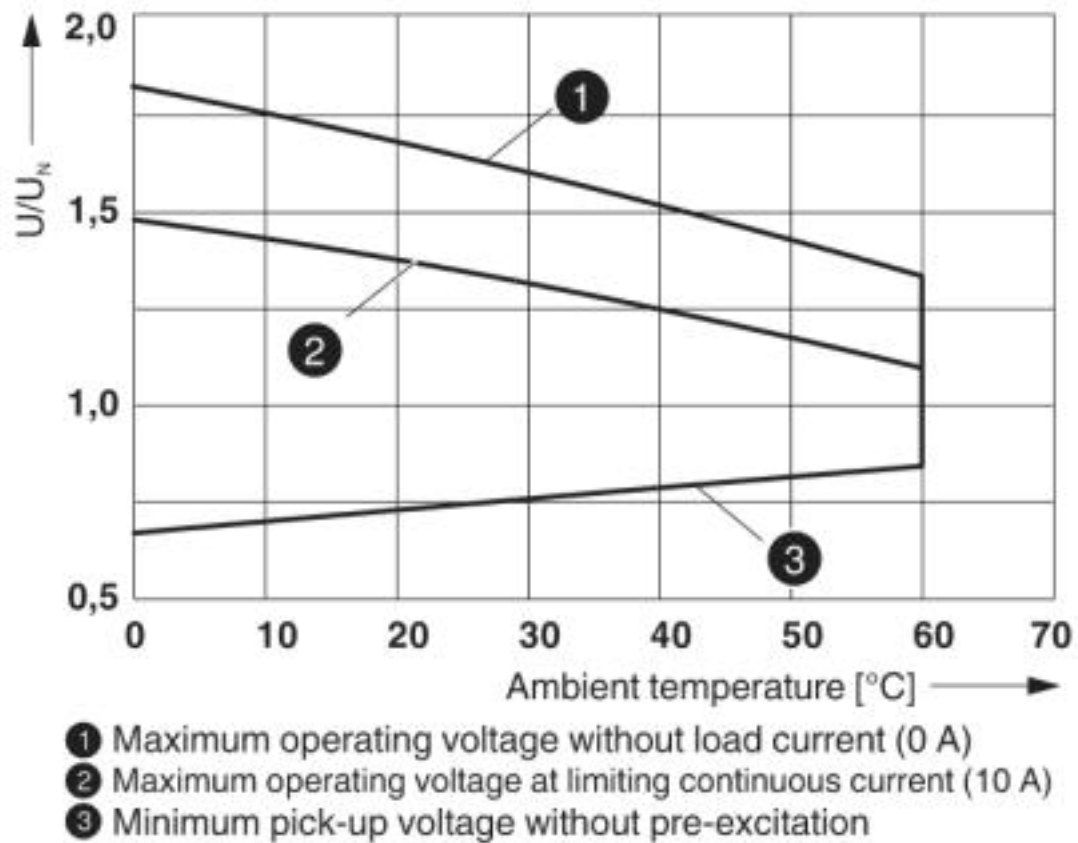
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 5
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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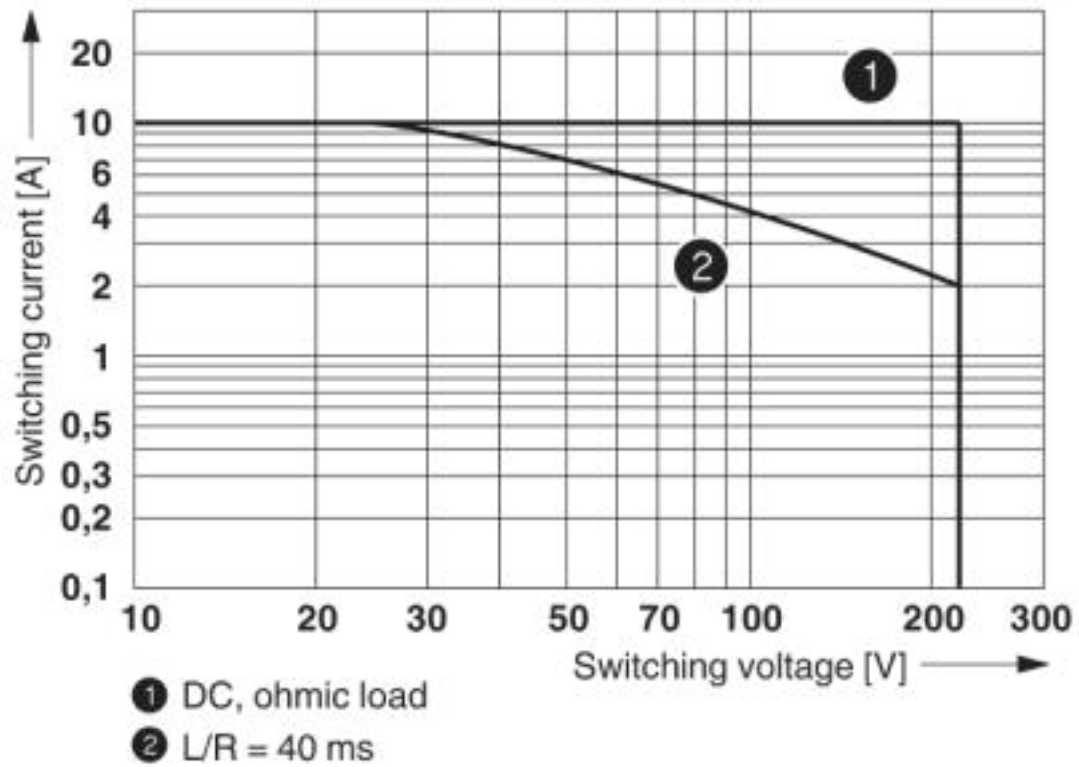
Diagram



Operating voltage range of the relay

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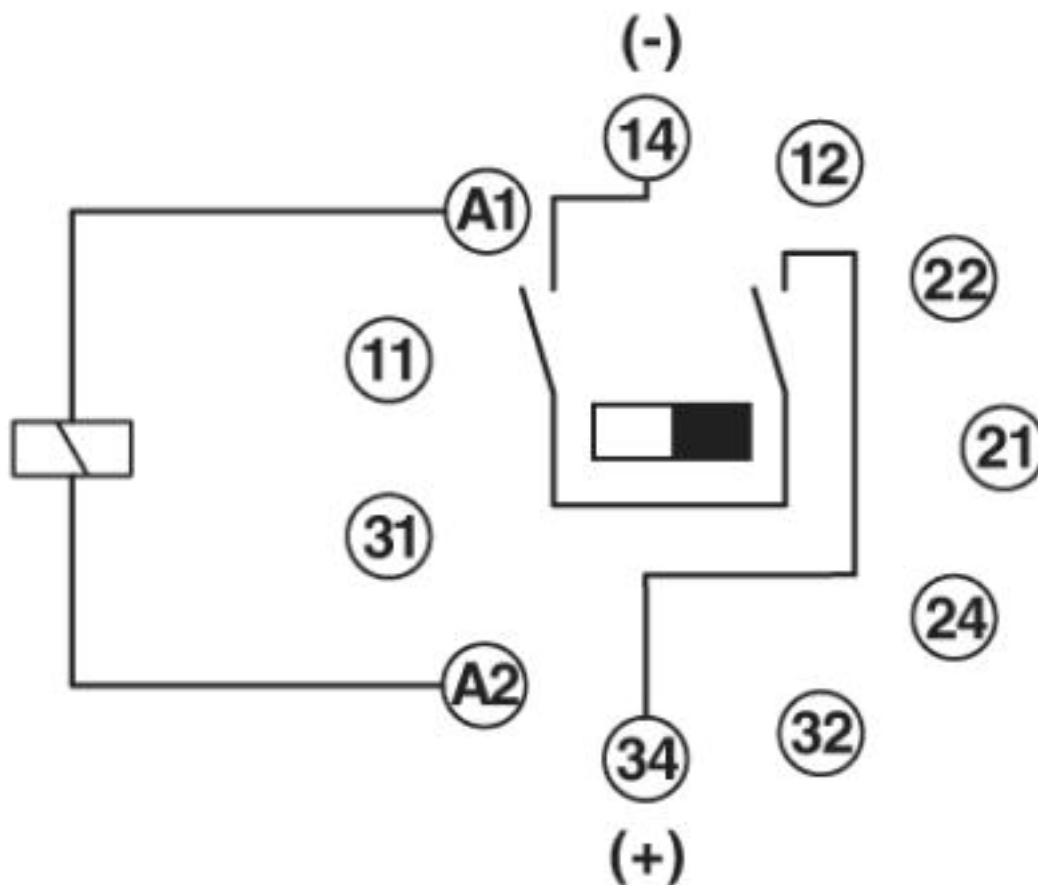
Diagram



DC interrupting rating

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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

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Classifications

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Accessories

Accessories

Device marking

Snap-in markers - UC-EM (21X8) - 0825507



Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped into marker carrier, lettering field size: 21 x 8 mm, Number of individual labels: 20

Snap-in markers - UCT-EM (21X8) - 0801489



Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped into marker carrier, lettering field size: 21 x 8 mm, Number of individual labels: 18

Additional products

Relay base - PR3-BSC1/3X21 - 2833615



Relay base PR3..., for octal relay REL-OR with 3 PDT, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

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