

Single relay - REL-OR/L- 24AC/1 - 2901911

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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 AC

Product Features



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 94.0 GRM |
| Custom tariff number | 85364190 |
| 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 | 24 V AC |
| Input voltage range in reference to U_N | see diagram |
| Typical input current at U_N | 100 mA |
| Typical response time | 5 ms ... 20 ms (depending on phase relation) |
| Typical release time range | 5 ms ... 20 ms (depending on phase relation) |

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Technical data

Coil side

| | |
|---------------------------|------------|
| Coil resistance | 65 Ω ±10 % |
| Operating voltage display | Yellow LED |

Contact side

| | |
|--|--|
| Contact type | Single contact, 1 N/O 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) |
| 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 | 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 _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Degree of protection | RT I |
| Mechanical service life | Approx. 10 ⁷ cycles |
| Standards/regulations | IEC 61810 EN 60947 |
| Pollution degree | 3 |
| Surge voltage category | III |
| Mounting position | any |
| Assembly instructions | On relay base PR3 |

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 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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

Approvals

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

Ex Approvals

Approvals submitted

Approval details

| |
|---------------|
| UL Recognized |
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| cUL Recognized |
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Approvals

cUL Recognized

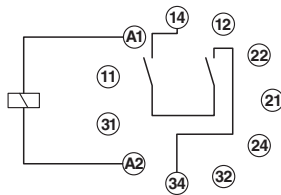
UL Recognized

EAC

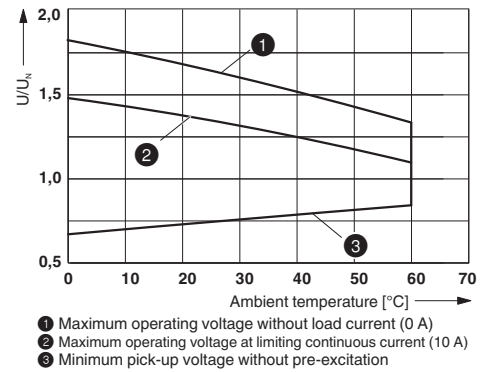
cULus Recognized

Drawings

Circuit diagram



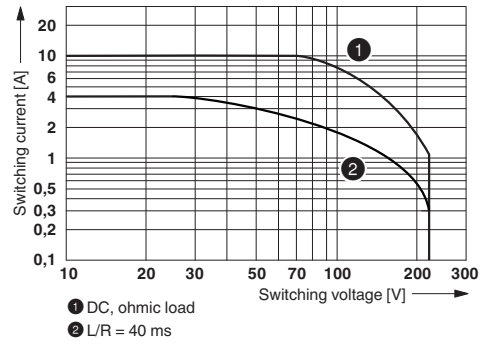
Diagram



Operating voltage range of the relay

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Diagram



DC interrupting rating

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