

Single relay - REL-OR3/L- 24AC/3X21 - 2903694

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Pluggable octal relay with power contacts, 3 PDT, test button, mechanical switching position indication, coil voltage 24 V AC

The figure shows version REL-OR3/LDP-24DC/3X21

Key Commercial Data

| | |
|--------------------------------------|--|
| Packing unit | 10 STK |
| Minimum order quantity | 10 STK |
| GTIN |  4 046356 759076 |
| Weight per Piece (excluding packing) | 89.35 g |
| Weight per piece (including packing) | 89.35 g |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|--------|---------|
| Width | 35 mm |
| Height | 54.4 mm |
| Depth | 35 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 55 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °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 | 108 mA |
| Typical response time | 5 ms ... 15 ms (depending on phase relation) |
| Typical release time range | 5 ms ... 20 ms (depending on phase relation) |
| Status display | Yellow LED |

Contact side

| | |
|--------------|--------|
| Contact type | 3 PDTs |
|--------------|--------|

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Technical data

Contact side

| | |
|--|---------------------------|
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 10 V (At 24 mA) |
| Min. switching current | 10 mA (at 24 V) |
| Maximum inrush current | 30 A (20 ms, N/O contact) |
| Limiting continuous current | 10 A |
| Interrupting rating (ohmic load) max. | 240 W (at 24 V DC) |
| | 124 W (at 48 V DC) |
| | 108 W (at 60 V DC) |
| | 52 W (at 110 V DC) |
| | 48 W (at 220 V DC) |
| | 2500 VA (for 250 V AC) |
| Switching capacity min. | 0.24 W |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 2 A (at 24 V, DC13) |
| | 0.22 A (at 120 V, DC13) |
| | 0.11 A (at 250 V, DC13) |
| | 3 A (at 24 V, AC15) |
| | 3 A (at 120 V, AC15) |
| | 1.5 A (at 240 V, AC15) |

General

| | |
|--|--|
| Test voltage relay winding/relay contact | 2.5 kV _{rms} (50 Hz, 1 min.) |
| Test voltage relay contact/relay contact | 2 kV _{rms} (50 Hz, 1 min.) |
| Test voltage PDT/PDT | 2 kV _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Degree of protection | RT I |
| Mechanical service life | Approx. 2×10^7 cycles |
| Designation | Air clearances and creepage distances between the power circuits |
| Standards/regulations | IEC 60664 |
| Rated insulation voltage | 250 V AC |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Designation | Standards/regulations |
| Standards/regulations | IEC 61810 |
| Mounting position | any |

Standards and Regulations

| | |
|----------------------------------|--|
| Connection in acc. with standard | CSA |
| Designation | Air clearances and creepage distances between the power circuits |
| Standards/regulations | IEC 60664 |
| Rated insulation voltage | 250 V AC |

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Technical data

Standards and Regulations

| | |
|-----------------------|-----------------------|
| Insulation | Basic insulation |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Designation | Standards/regulations |
| Standards/regulations | IEC 61810 |

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 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 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

CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

Single relay - REL-OR3/L- 24AC/3X21 - 2903694

Approvals

Approvals submitted

Approval details

CSA

UL Recognized

cUL Recognized

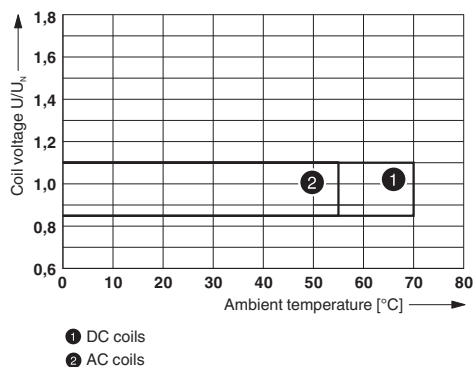
VDE Zeichengenehmigung

EAC

cULus Recognized

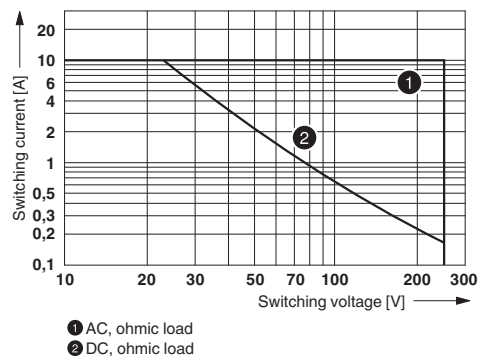
Drawings

Diagram



Operating voltage range

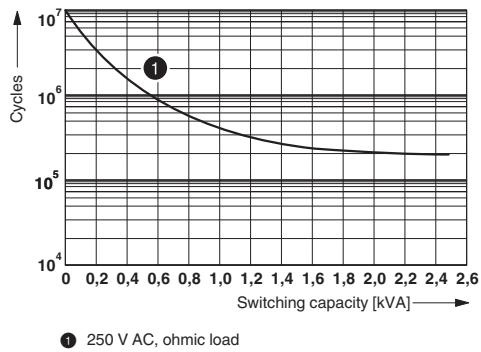
Diagram



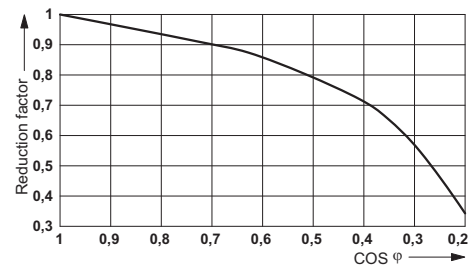
Interrupting rating

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Diagram



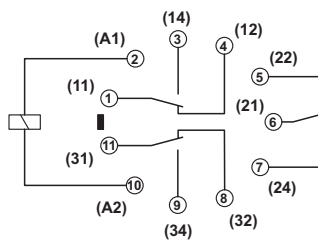
Diagram



Electrical service life

Service life reduction factor

Circuit diagram



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