

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 | |
| GTIN | 4046356759076 |

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 |
| Power dissipation for nominal condition | 2.59 W |

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Technical data

Contact side

| | |
|--|---------------------------|
| Contact type | 3 PDTs |
| Type of switch contact | Single contact |
| 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. 2x 10 ⁷ cycles |
| Mounting position | any |

Standards and Regulations

| | |
|----------------------------------|------------------|
| Connection in acc. with standard | CSA |
| Standards/regulations | IEC 60664 |
| | IEC 61810 |
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 4 kV |
| Insulation | Basic insulation |
| Degree of pollution | 3 |
| Overvoltage category | III |

Environmental Product Compliance

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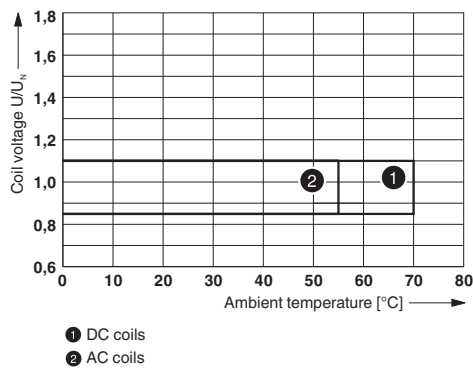
Technical data

Environmental Product Compliance

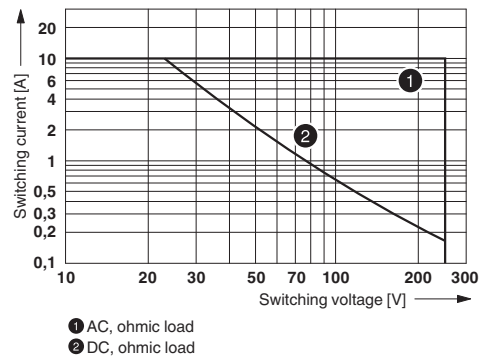
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Diagram



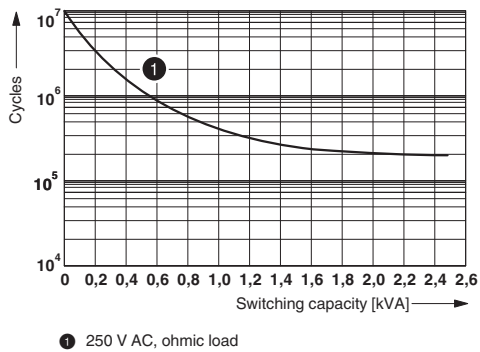
Diagram



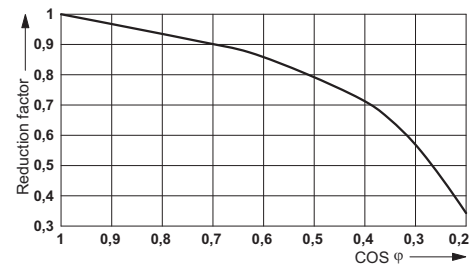
Operating voltage range

Interrupting rating

Diagram



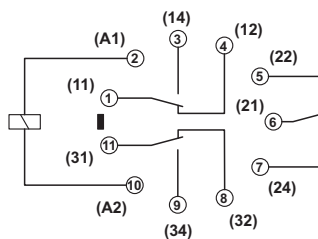
Diagram



Electrical service life

Service life reduction factor

Circuit diagram



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Approvals







Approvals

Approvals

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

Ex Approvals

Approval details

| | | | |
|------------------------|---|---|--------------------------|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 2554095 |
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 172140 |
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 172140 |
| VDE Zeichengenehmigung |  | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40036588 |
| EAC |  | | RU C- DE.A*30.B.01082 |
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | |

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