

REL-OR3/L-230AC/3X21


Order No.: 2903696

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




<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2903696>

Pluggable octal relay with power contacts, 3 PDT, test button, mechanical switching position indication, coil voltage 230 V AC

| Commercial data | |
|--------------------------|--|
| EAN | 4  046356 759090 |
| sales group | G082 |
| Pack | 10 Pcs. |
| Customs tariff | 85364900 |
| Gross weight in pieces | 0.08778 KG |
| Net weight per piece | 0.08778 KG |
| Catalog page information | Page 296 (C-7-2013) |

Product notes

WEEE/RoHS-compliant since:
07/03/2012



<http://www.download.phoenixcontact.com>
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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 | 230 V AC |
| Input voltage range in reference to U_N | see diagram |
| Typical input current at U_N | 13 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 |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 10 V (At 24 mA) |
| Maximum inrush current | 30 A (20 ms, N/O contact) |
| Min. switching current | 10 mA (at 24 V) |
| 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 and creepage distances between the power circuits |
| Standards/regulations | IEC 60664 |
| Rated insulation voltage | 250 V AC |
| Pollution degree | 3 |
| Surge voltage category | III |
| Designation | Standards/regulations |
| Standards/regulations | IEC 61810 |
| Mounting position | any |
| Connection data | |
| Connection method | Plug connection |

Certificates / Approvals



Certification

CSA, cULus Recognized, VDE Zeichengenehmigung

Certifications applied for:

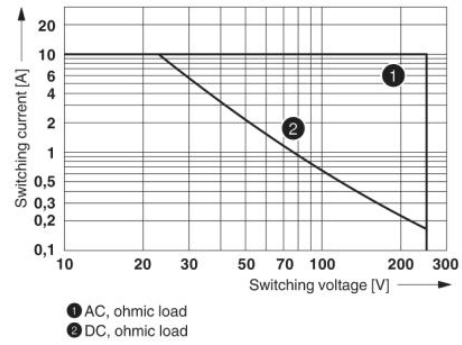
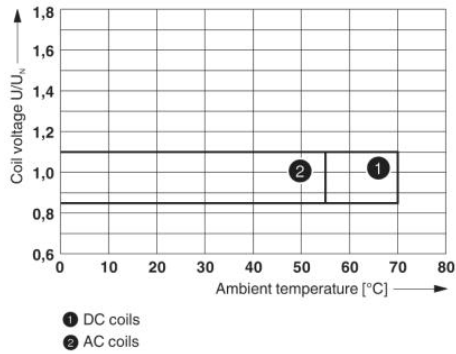
Certification Ex:

Accessories

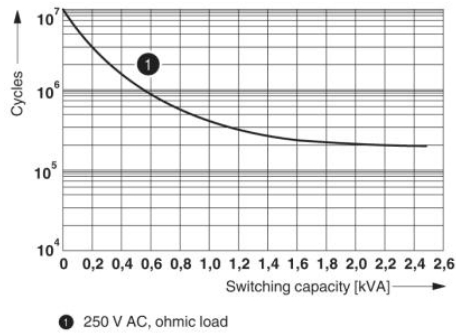
| Item | Designation | Description |
|-------------------|----------------|--|
| Relay base | | |
| 2900938 | RIF-3-BPT/3X21 | RIF-3... relay base, for octal relay with 3 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5 |

Drawings

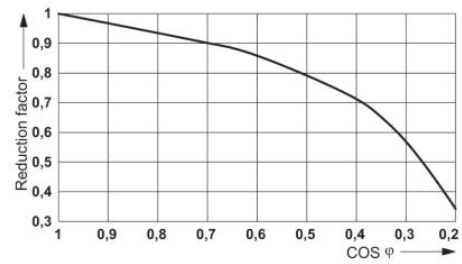
Diagram



Operating voltage range

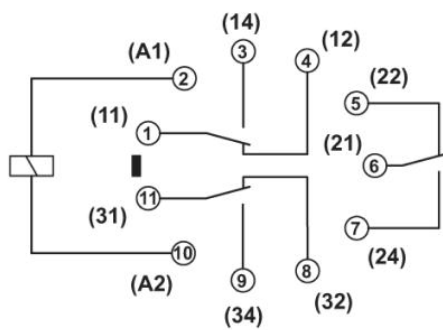


Interrupting rating



Electrical service life

Circuit diagram



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