


REL-IR/LDP- 24DC/4X21AU

Order No.: 2834096



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834096>

Pluggable industrial relays with power contacts and additional hard gold plating, 4 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity **A1+**, **A2-**, coil voltage: 24 V DC

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) | 4  017918 941666 |
| sales group | G082 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 60 (IF-2009) |

Product notes

WEEE/RoHS-compliant since:
08/07/2006



<http://www.download.phoenixcontact.com>
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| Technical data | |
|-----------------------------------|---------|
| Coil side | |
| Nominal input voltage U_N | 24 V DC |
| Nominal input current at U_{IN} | 38 mA |
| Typical response time | 13 ms |

| | |
|----------------------|-------------------------------|
| Typical release time | 5 ms |
| Coil resistance | 636 Ω +/-15% (at 20°C) |

Contact side

| | |
|---------------------------------------|------------------------|
| Contact type | Single contact, 4-PDT |
| Contact material | AgNi, hard gold-plated |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 1 V |
| Maximum inrush current | 12 A (15 ms) |
| Min. switching current | 1 mA |
| Limiting continuous current | 5 A |
| Interrupting rating (ohmic load) max. | 1250 VA (for 250 V AC) |

General data

| | |
|--|----------------------------|
| Width | 21.5 mm |
| Height | 28 mm |
| Depth | 36 mm |
| Test voltage relay winding/relay contact | 2 kV AC (50 Hz, 1 min.) |
| Test voltage relay contact/relay contact | 2 kV AC (50 Hz, 1 min.) |
| Ambient temperature (operation) | -55 °C ... 70 °C |
| Ambient temperature (storage/transport) | -55 °C ... 70 °C |
| Operating mode | 100% operating factor |
| Mechanical service life | 5 x 10 ⁷ cycles |
| Standards/regulations | DIN EN 61810-1 |
| | VDE 0435-201 |
| | EN 50178 |
| | IEC 62103 |
| Pollution degree | 2 |
| Surge voltage category | II |
| Mounting position | Any |
| Assembly instructions | On relay base PR2 |

Connection data

| | |
|--------------------|--------------------------|
| Type of connection | Plug / solder connection |
|--------------------|--------------------------|

Certificates / Approvals

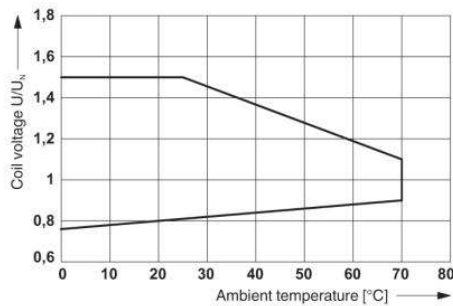


Certification

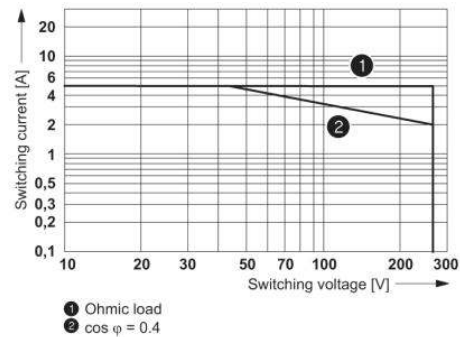
CUL Listed, UL Listed, VDE-PZI

Diagrams/Drawings

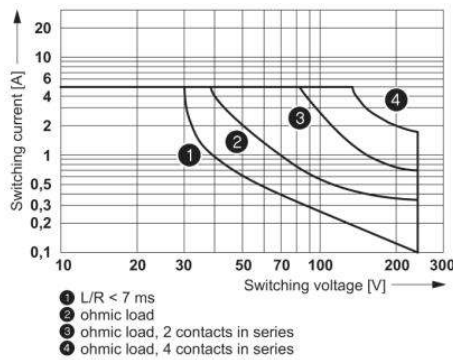
Diagram



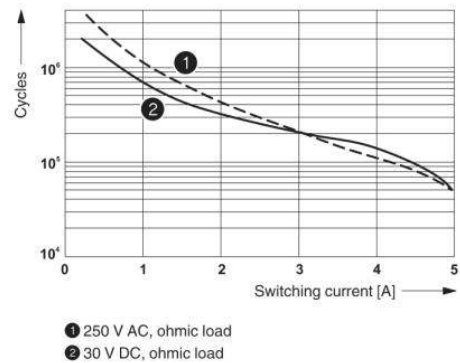
Operating voltage range



Interrupting rating

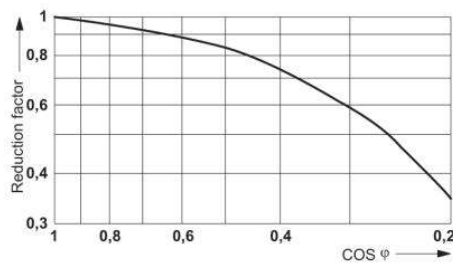


DC interrupting rating

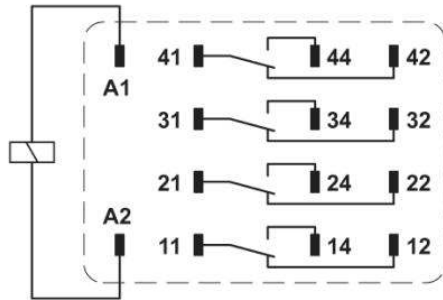


Electrical service life

Service life reduction factor



Circuit diagram



Shown without LED and damping diode.

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