

# REL-IR/LDP-125DC/4X21AU


Order No.: 2834313

The figure shows the version: REL-IR/LDP- 24DC/4X21 AU



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2834313>

Pluggable industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity **A1+**, **A2-**, coil voltage: 125 V DC

| Commercial data          |   |
|--------------------------|---|
| EAN                      | 4  046356 044202 |
| sales group              | G082  |
| Pack                     | 10 Pcs.   |
| Customs tariff           | 85364900  |
| Gross weight in pieces   | 0.03743 KG  |
| Net weight per piece     | 0.03743 KG  |
| Catalog page information | Page 380 (C-7-2013)   |

### Product notes

WEEE/RoHS-compliant since:  
04/11/2006



<http://www.download.phoenixcontact.com>  
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| Technical data    |         |
|-------------------|---------|
| <b>Dimensions</b> |         |
| Width             | 21.5 mm |
| Height            | 28 mm   |
| Depth             | 36 mm   |

**Ambient conditions**

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -55 °C ... 70 °C |
| Ambient temperature (storage/transport) | -55 °C ... 70 °C |

**Coil side**

|                                |                                      |
|--------------------------------|--------------------------------------|
| Nominal input voltage $U_N$    | 125 V DC                             |
| Typical input current at $U_N$ | 7.2 mA                               |
| Typical response time          | 13 ms                                |
| Typical release time           | 5 ms                                 |
| Coil resistance                | 17380 $\Omega$ $\pm$ 15 % (at 20 °C) |

**Contact side**

|                                       |                        |
|---------------------------------------|------------------------|
| Contact type                          | 4 PDTs                 |
| 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**

|  |                            |
|--|----------------------------|
| 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.)    |
| Operating mode                           | 100% operating factor      |
| Mechanical service life                  | 5 x 10 <sup>7</sup> 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**

|                   |                          |
|-------------------|--------------------------|
| Connection method | Plug / solder connection |
|-------------------|--------------------------|

**Certificates / Approvals**



Certification

cULus Listed, VDE Gutachten mit Fertigungsüberwachung

Certifications applied for:

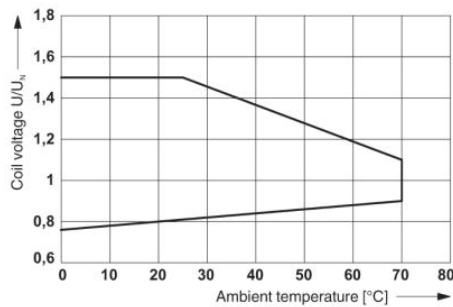
Certification Ex:

**Additional products**

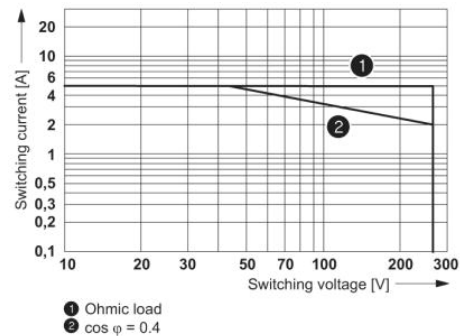
| Item           | Designation   | Description  |
|----------------|---------------|--|
| <b>General</b> |               |  |
| 2833563        | PR2-BSC2/4X21 | Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 2/2-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5       |
| 2833576        | PR2-BSC3/4X21 | Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5       |
| 2833589        | PR2-BSP3/4X21 | Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, spring-cage connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5 |

**Drawings**

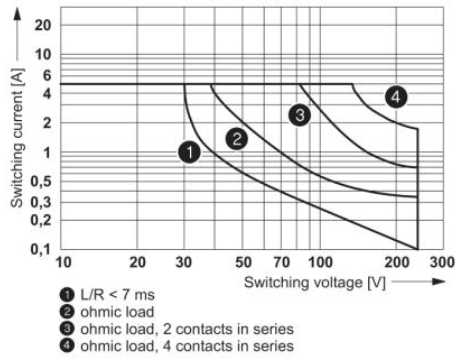
Diagram



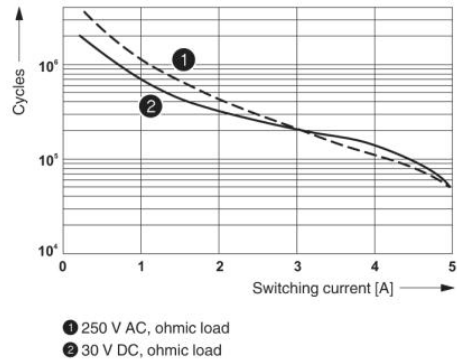
Operating voltage range



AC interrupting rating

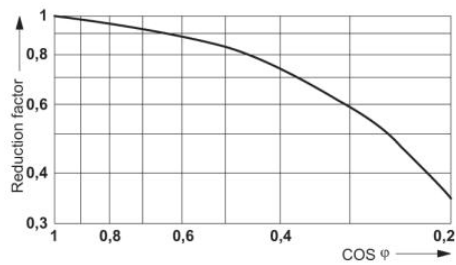


DC interrupting rating

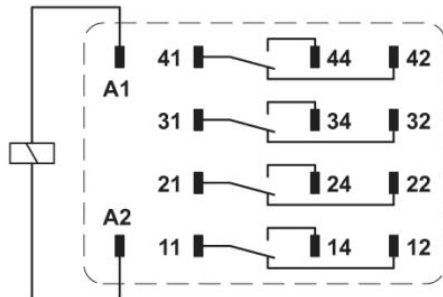


Electrical service life

Service life reduction factor



Circuit diagram



Shown without LED and damping diode.

**Address**

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