

Single relay - REL-IR/LDP-220DC/2X21 - 2834957

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Pluggable industrial relay with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, input voltage 220 V DC


The figure shows version: REL-IR/
LDP- 24DC/2X21

Your advantages

- With detectable manual operation
- DC types with integrated freewheeling diode
- Integrated status LED
- Mechanical switch position indicator



Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 046356 482073
GTIN	4046356482073

Technical data

Dimensions

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	220 V DC
Typical input current at U_N	3.6 mA

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Technical data

Coil side

Typical response time	13 ms
Typical release time	14 ms
Coil resistance	60394 Ω ±15 % (at 20 °C)
Power dissipation for nominal condition	0.79 W

Contact side

Contact type	2 PDT
Type of switch contact	Single contact
Contact material	Ag
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V
Min. switching current	1 mA
Maximum inrush current	20 A (15 ms)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 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	5x 10 ⁷ cycles
Service life, electrical	see diagram
Mounting position	any
Assembly instructions	On relay base PR2

Standards and Regulations

Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
Pollution degree	2
Overvoltage category	II

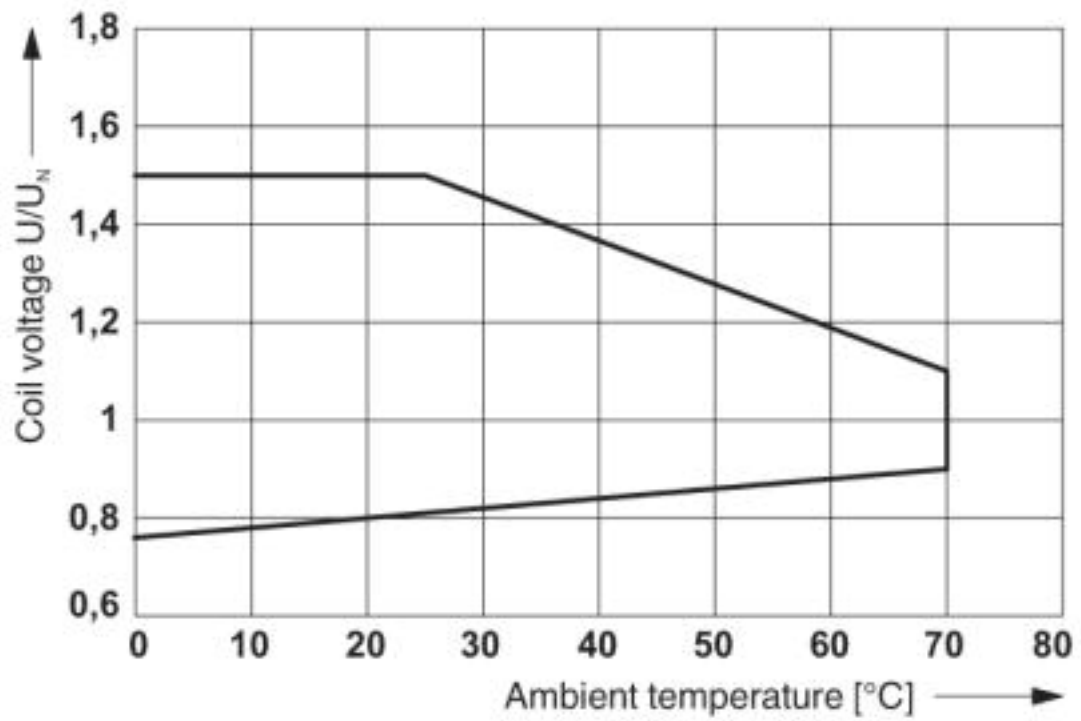
Environmental Product Compliance

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

Drawings

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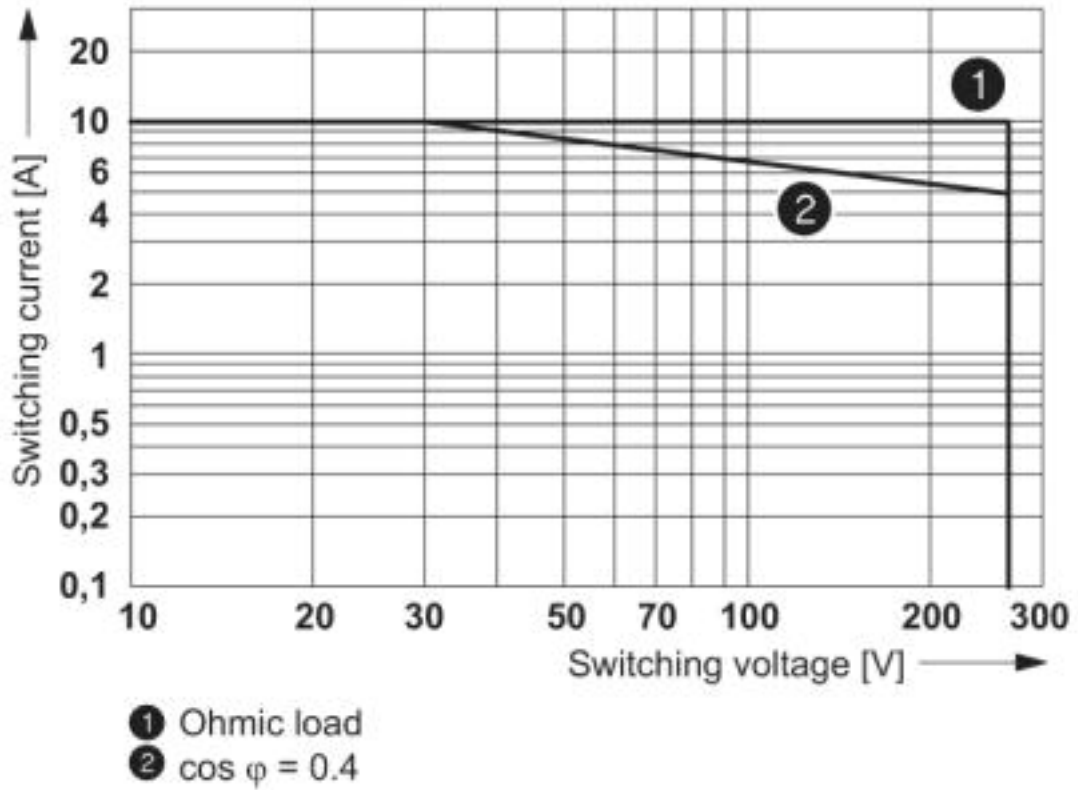
Diagram



Operating voltage range

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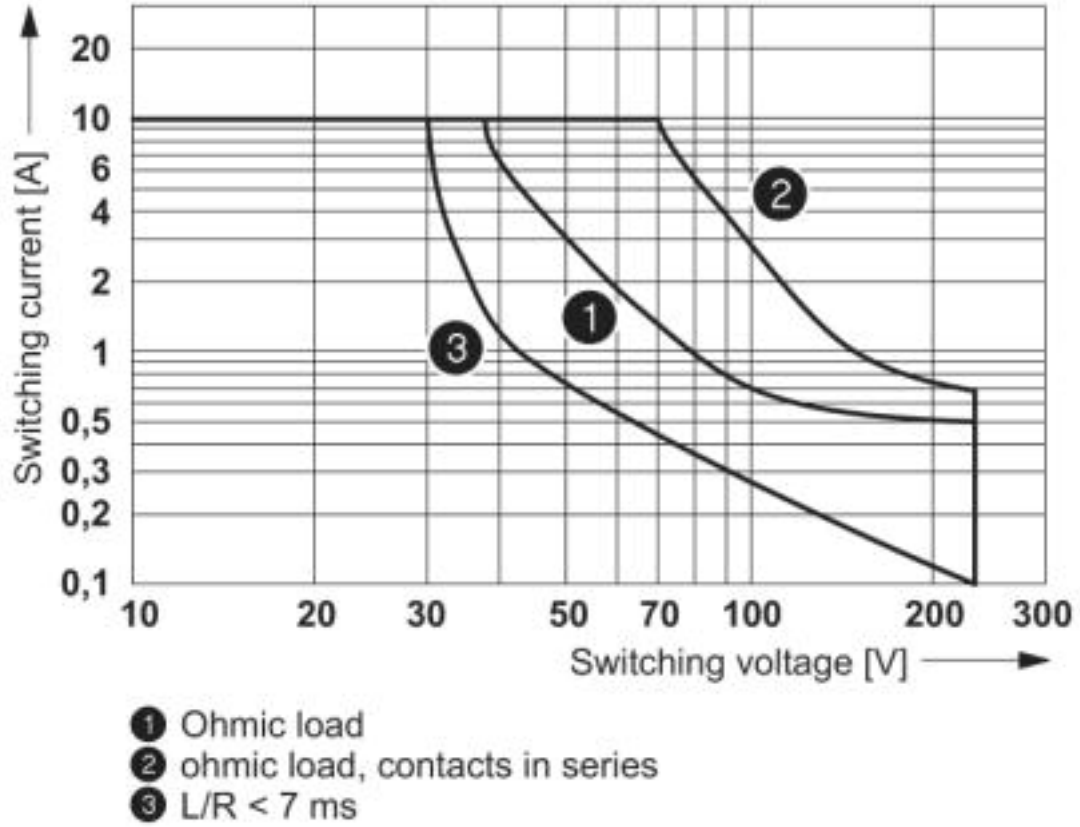
Diagram



AC interrupting rating

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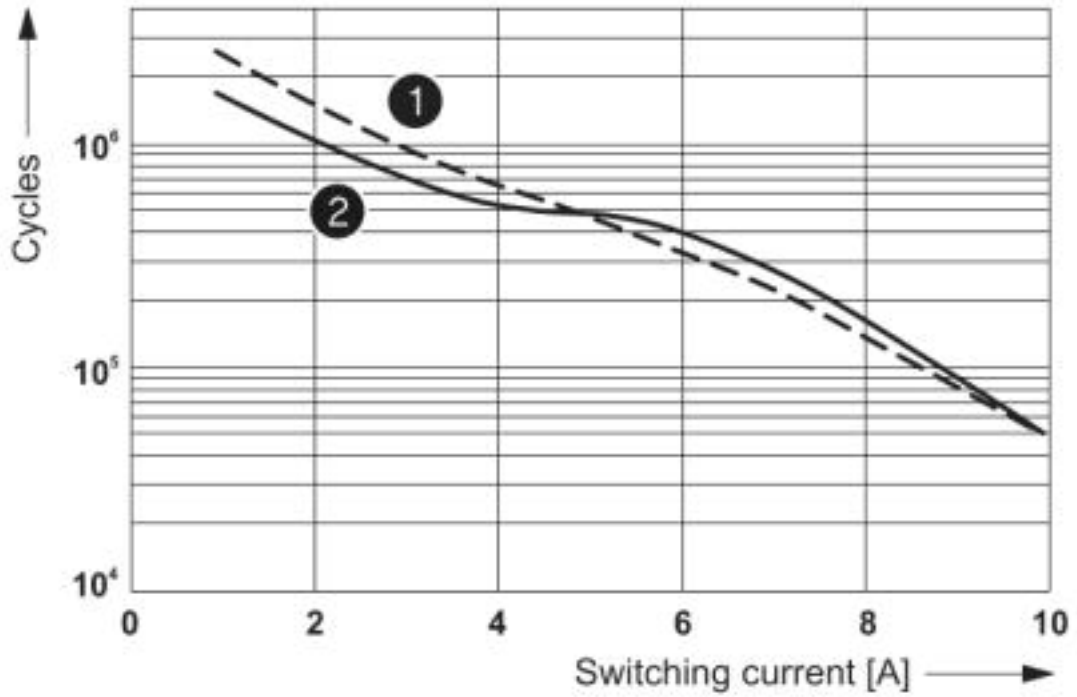
Diagram



DC interrupting rating

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Diagram

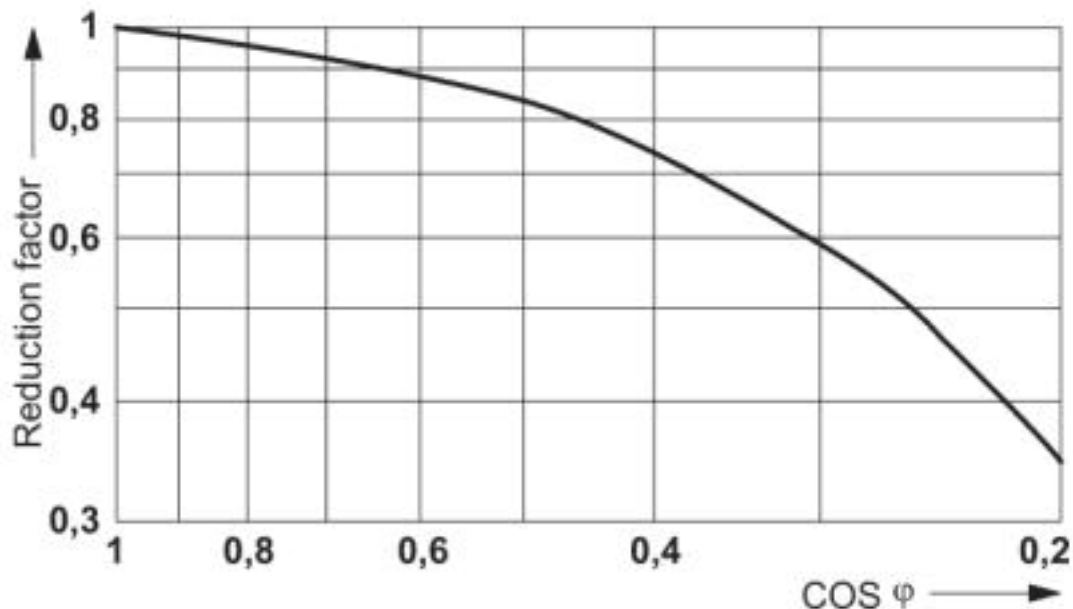


- ① 250 V AC, ohmic load
- ② 30 V DC, ohmic load

Electrical service life

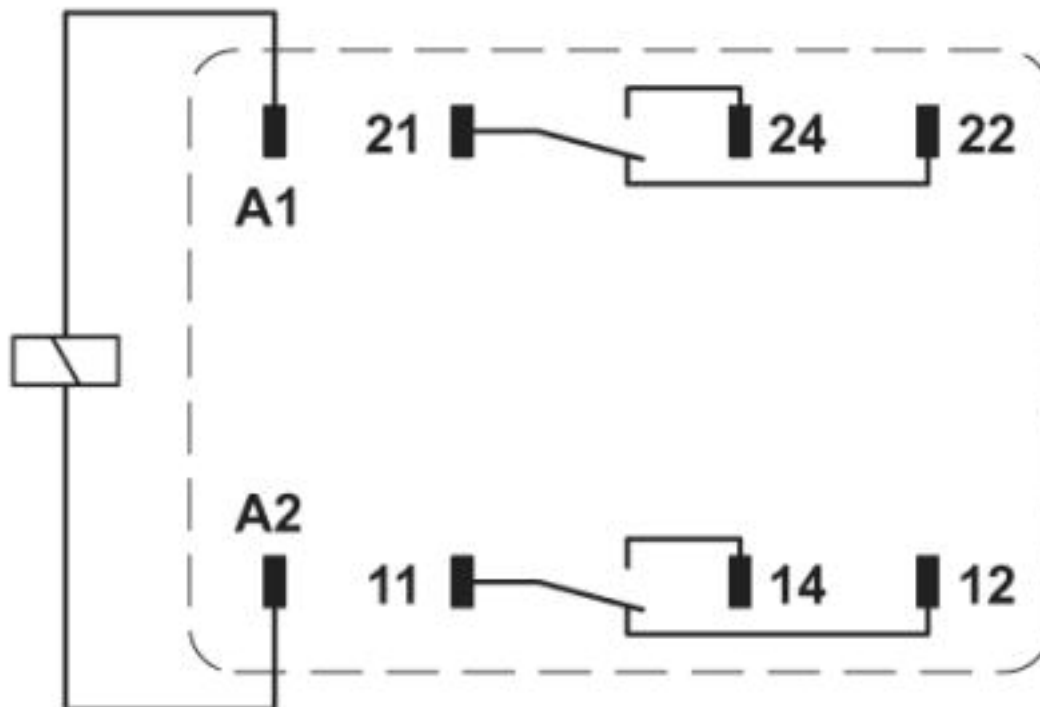
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Diagram



Service life reduction factor

Circuit diagram



Shown without LED and damping diode.
Contacts 21, 22, 24 are led onto relay base connections 41, 42, 44.

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Approvals

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UL Listed / VDE Gutachten mit Fertigungsüberwachung / cUL Listed / EAC / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40026798
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EAC			TR_TS_D_00573_c
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EAC			TR_TS_S_00010_c
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cULus Listed			
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>