

Single relay - REL-IR/LDP- 48DC/4X21AU - 2834106

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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: 48 V DC

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 941673
GTIN	4017918941673
Weight per Piece (excluding packing)	38.900 g
Custom tariff number	85364190
Country of origin	Japan

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	48 V DC
Typical input current at U_N	19 mA

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Technical data

Coil side

Typical response time	13 ms
Typical release time	5 ms
Coil resistance	2560 Ω $\pm$ 15 % (at 20 °C)
Power dissipation for nominal condition	0.91 W

Contact side

Contact type	4 PDTs
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Min. switching current	1 mA
Maximum inrush current	12 A (15 ms)
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	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

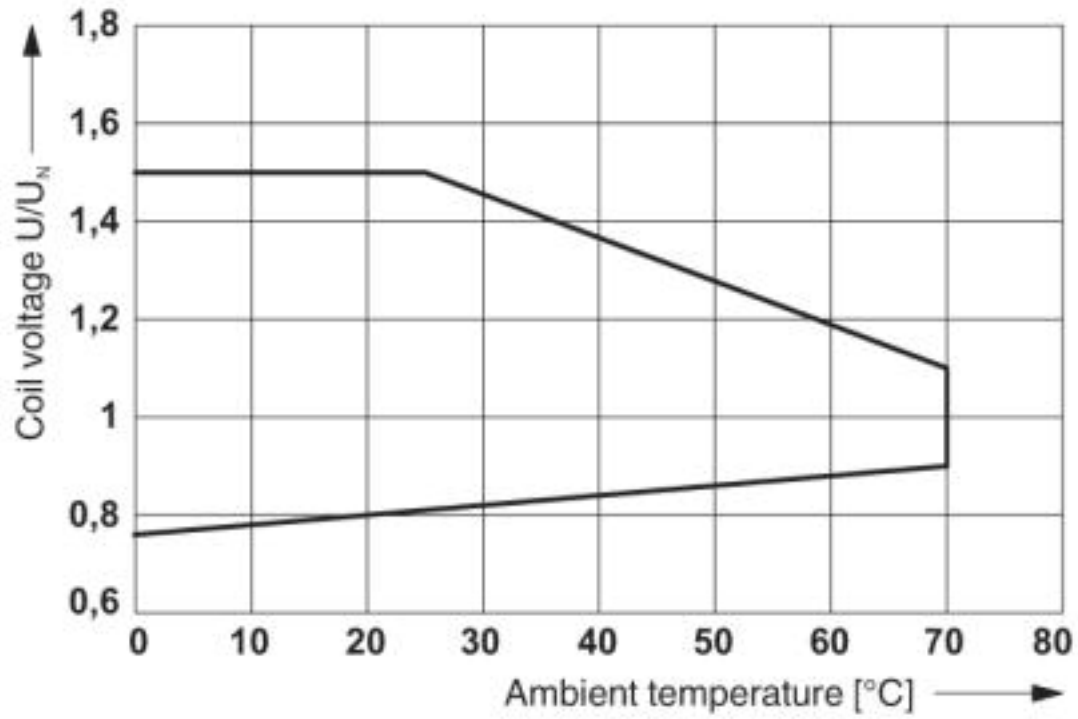
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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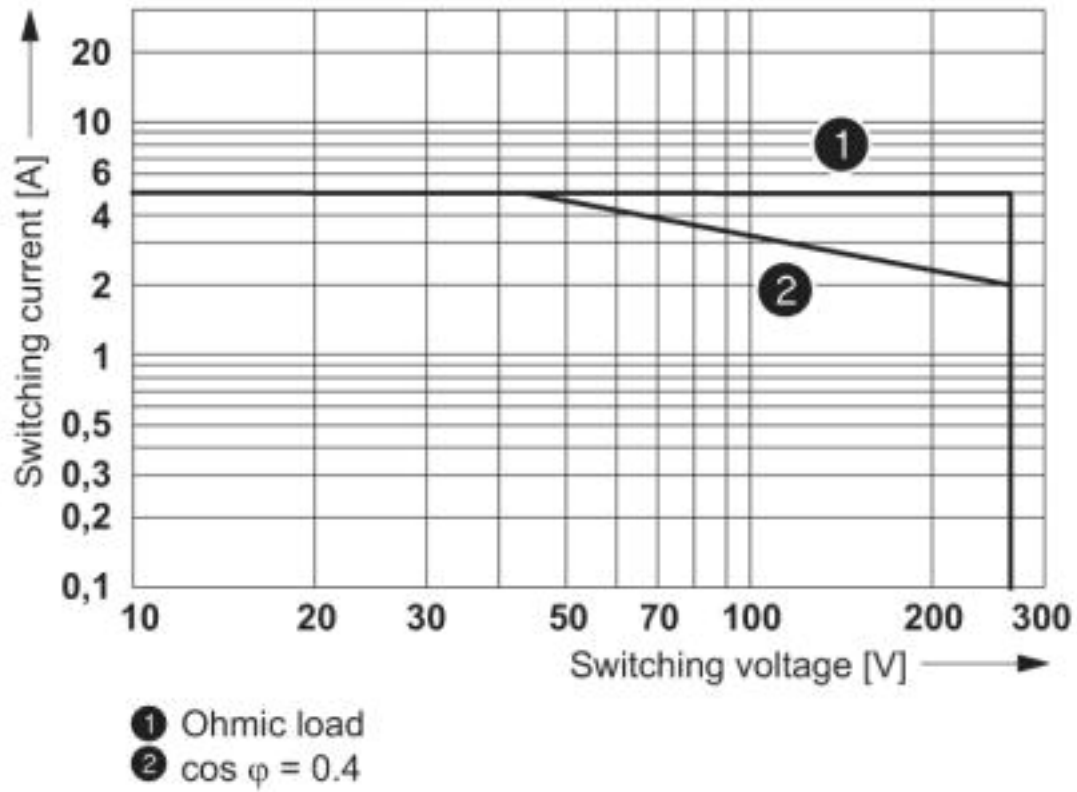
Diagram



Operating voltage range

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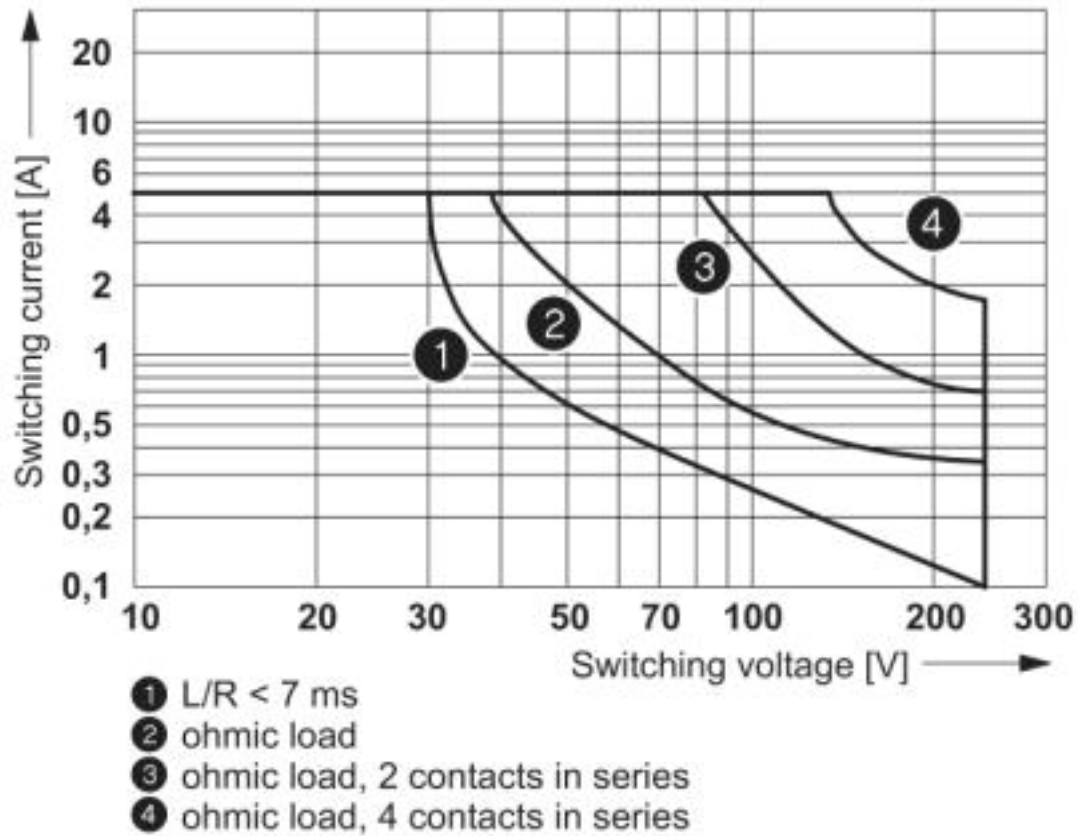
Diagram



AC interrupting rating

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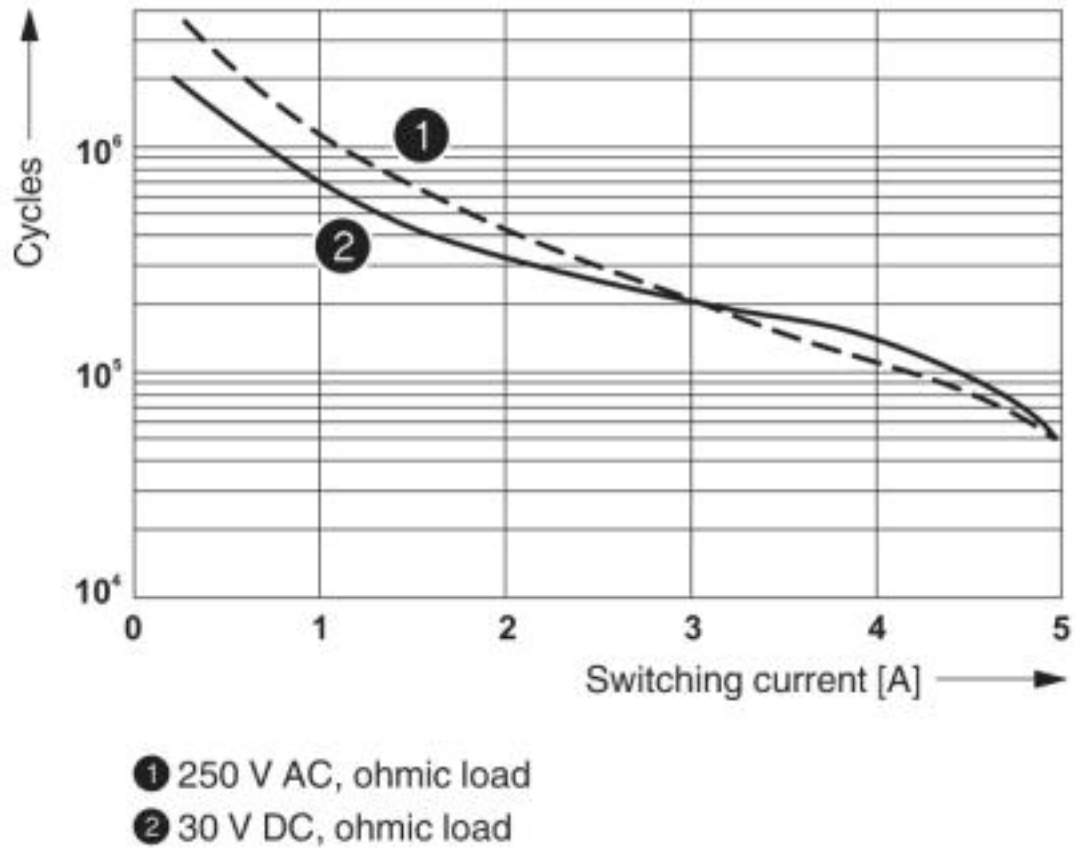
Diagram



DC interrupting rating

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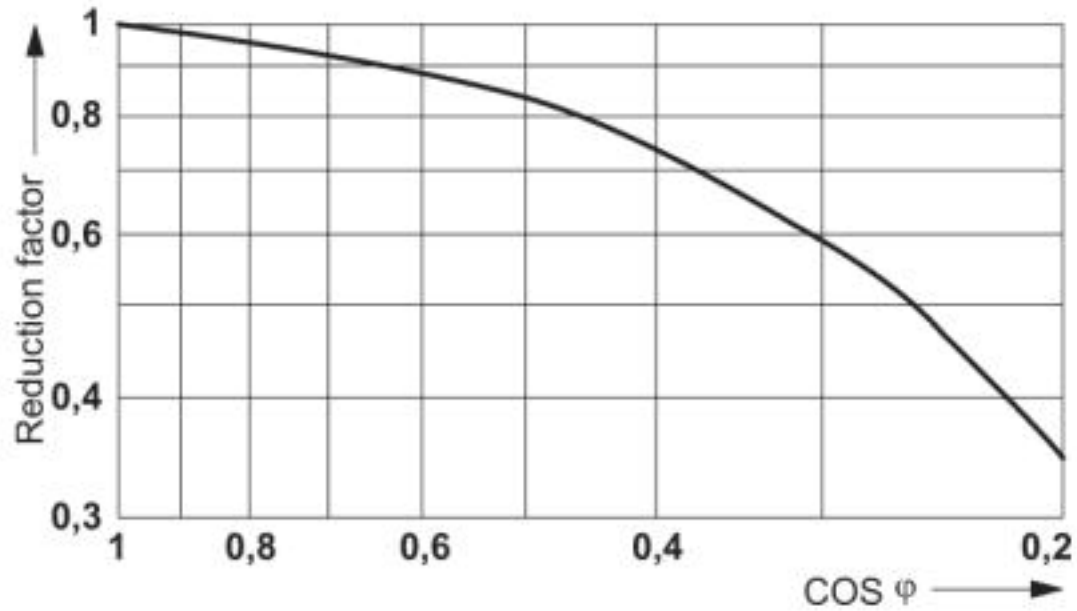
Diagram



Electrical service life

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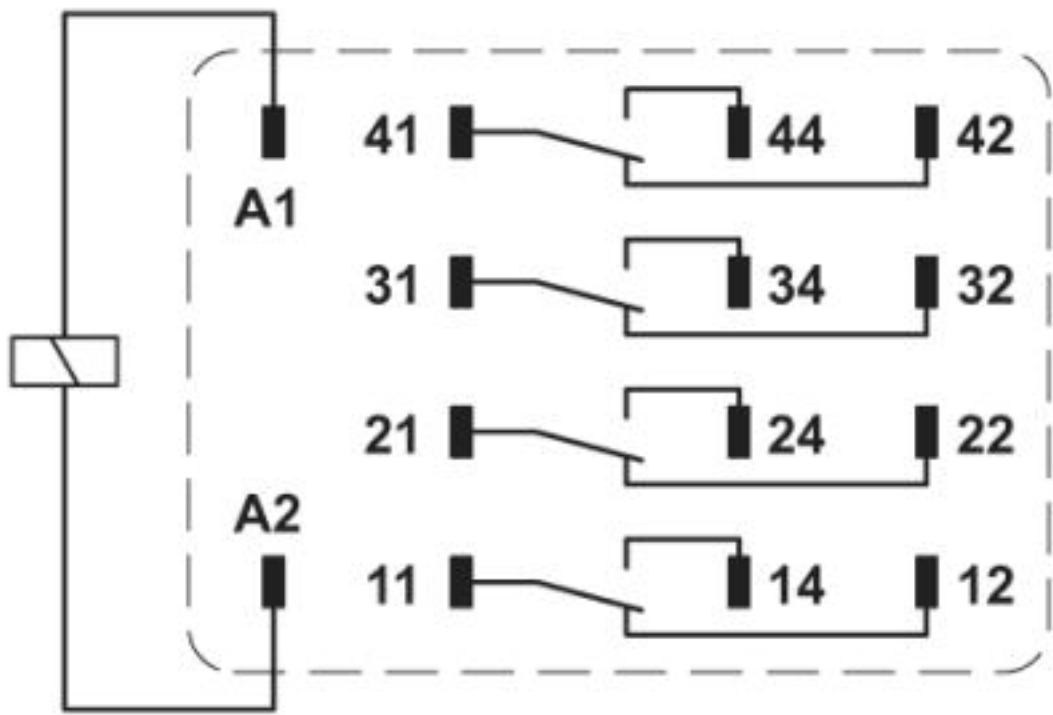
Diagram



Service life reduction factor

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Circuit diagram



Shown without LED and damping diode.

Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

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Classifications

ETIM

ETIM 6.0	EC001437
ETIM 7.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

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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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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EAC			TR_TS_D_00573_c
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Approvals

EAC		TR_TS_S_00010_c
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cULus Listed	
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