

Single relay - REL-IR4/L-230AC/4X21AU - 2903685

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Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, mechanical switch setting display, coil voltage: 230 V AC

The figure shows version REL-IR4/
LDP- 24DC/4X21



Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	34.0 GRM
Custom tariff number	85364900
Country of origin	Poland

Technical data

Dimensions

Width	21.2 mm
Height	35.6 mm
Depth	27.5 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)
Nominal input current at U_{IN}	6.5 mA
Typical response time	5 ms ... 15 ms (depending on phase relation)
Typical release time range	5 ms ... 20 ms (depending on phase relation)

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Technical data

Coil side

Status display	Yellow LED
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Contact side

Contact type	Single contact, 4-PDT
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	5 V (At 24 mA)
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Switching capacity min.	0.12 W
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Limiting continuous current	6 A
Maximum inrush current	16 A (20 ms, N/O contact)
Min. switching current	5 mA (at 24 V)
Interrupting rating (ohmic load) max.	144 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) 1500 VA (for 250 V AC)
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) 1.5 A (at 24 V, AC15) 1.5 A (at 120 V, AC15) 1 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact	2.5 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 x 10 ⁷ cycles
Name	Air and creepage distances between the power circuits

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Technical data

General

Standards/regulations	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	2
Surge voltage category	II
Name	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

Connection data

Connection method	Plug connection
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Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

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

Approvals

Approvals

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Approvals

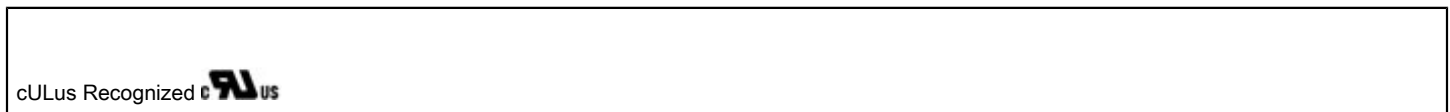
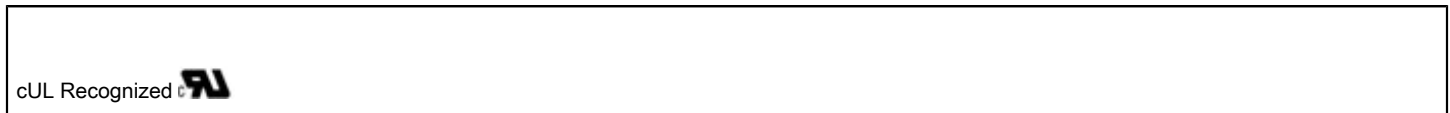
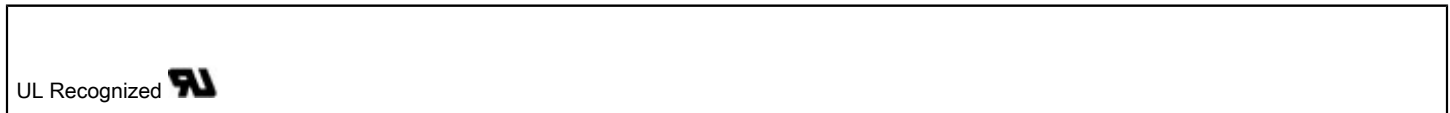
Approvals

CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / cULus Recognized

Ex Approvals

Approvals submitted

Approval details



Accessories

Accessories

Relay socket

Single relay - REL-IR4/L-230AC/4X21AU - 2903685

Accessories

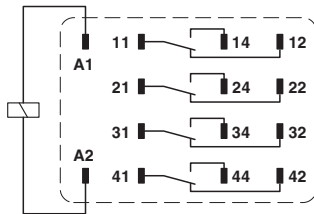
Relay socket - RIF-2-BPT/4X21 - 2900934



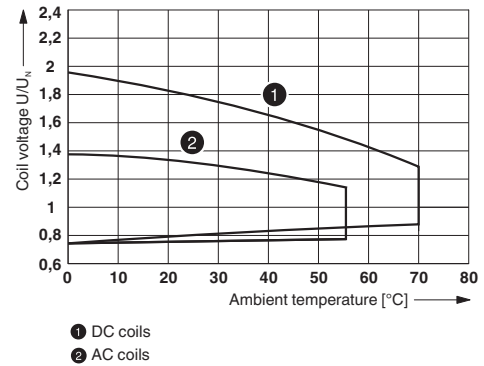
RIF-2... relay base, for industrial relay with 2 or 4 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

Drawings

Circuit diagram

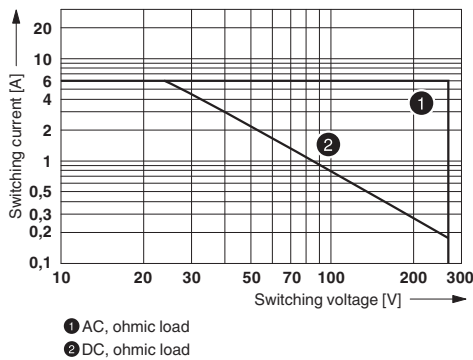


Diagram



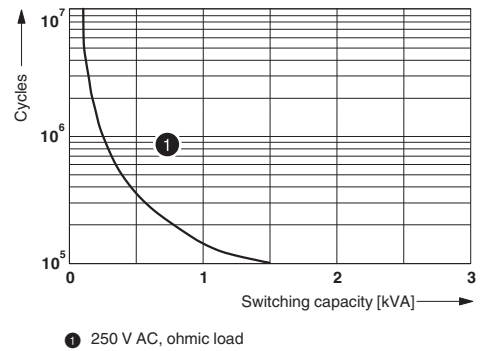
Operating voltage range

Diagram



Interrupting rating

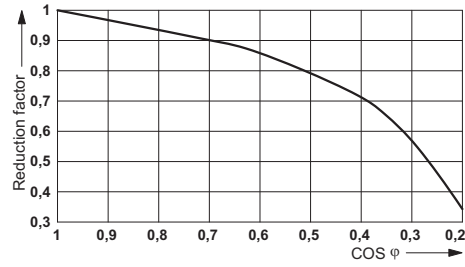
Diagram



Electrical service life

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Diagram



Service life reduction factor