

## Single relay - REL-IR2/L-120AC/2X21 - 2903667

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Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, mechanical switch position indicator, input voltage: 120 V AC

The figure shows version REL-IR2/  
LDP- 24DC/2X21



### Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	36.0 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 $U_N$	120 V AC
Input voltage range in reference to $U_N$	(see diagram)
Nominal input current at $U_{IN}$	13 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, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Maximum inrush current	30 A (20 ms, N/O contact)
Min. switching current	5 mA (at 24 V)
Limiting continuous current	12 A
Interrupting rating (ohmic load) max.	288 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)
	3000 VA (for 250 V AC)
Switching capacity min.	0.12 W
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)
	3 A (at 120 V, AC15)
	1.5 A (at 240 V, AC15)

### General

Test voltage relay winding/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. $2 \times 10^7$ cycles
Name	Air and creepage distances between the power circuits
Standards/regulations	IEC 61810
Rated insulation voltage	250 V AC
Pollution degree	3
Surge voltage category	III
Name	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

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## Technical data

### 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

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

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#### Ex Approvals

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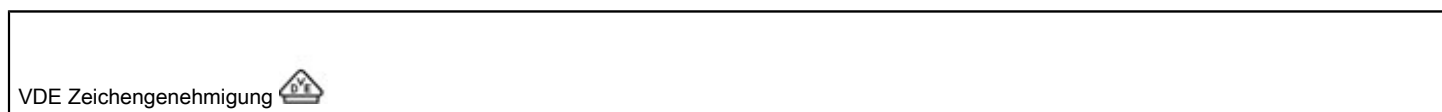
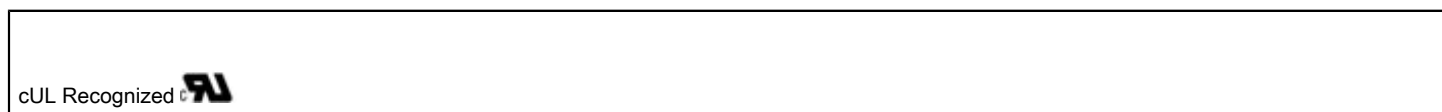
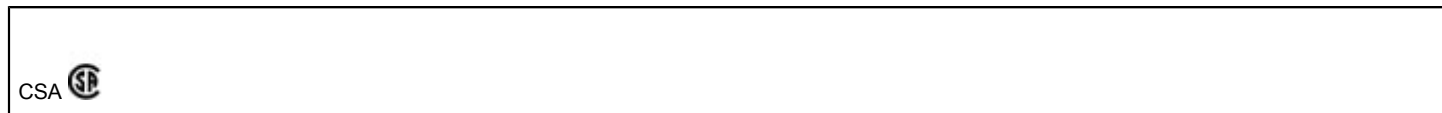
#### Approvals submitted

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## Single relay - REL-IR2/L-120AC/2X21 - 2903667

### Approvals

#### Approval details



### Accessories

#### Accessories

##### Relay socket

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

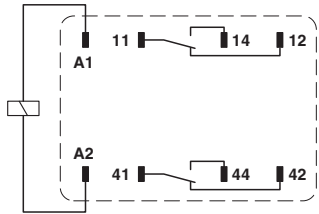


RIF-2... relay base, for industrial relay with 2 or 4 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

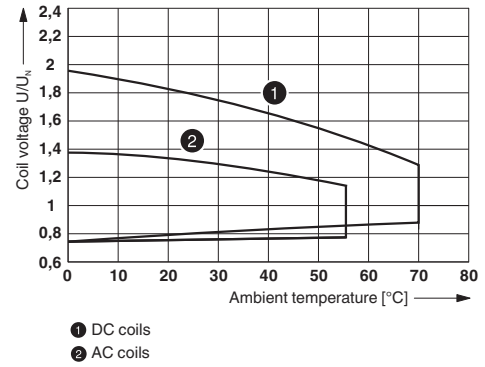
### Drawings

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Circuit diagram

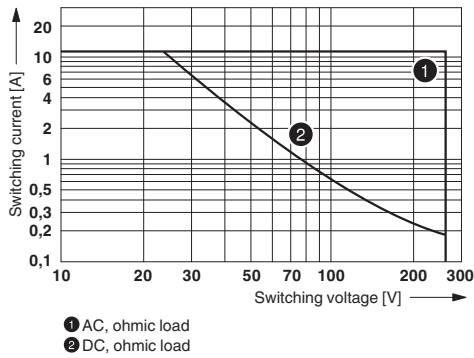


Diagram



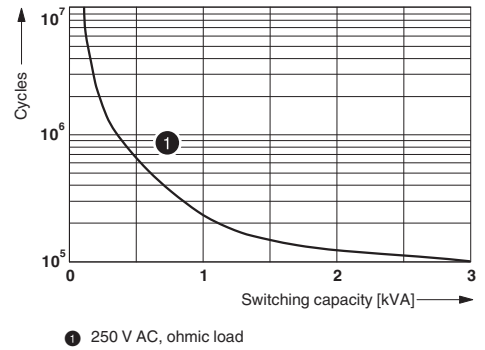
Operating voltage range

Diagram



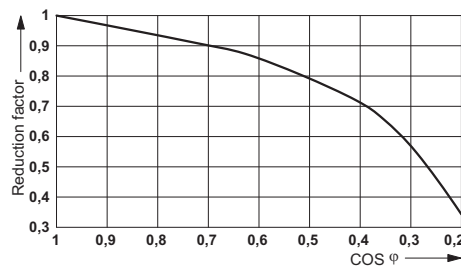
Interrupting rating

Diagram



Electrical service life

Diagram



Service life reduction factor

