

Single relay - REL-IR4/LDP-220DC/4X21 - 2903682

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)



Plug-in industrial relay with power contacts, 4 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, coil voltage: 220 V DC

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



Key commercial data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 046356 758956
Weight per Piece (excluding packing)	33.82 g
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 ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Nominal input voltage U_N	220 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	4 mA
Non-operate voltage	≤ 132 V DC
Safe operate voltage	≥ 176 V DC
Typical response time	13 ms

Single relay - REL-IR4/LDP-220DC/4X21 - 2903682

Technical data

Coil side

Typical release time	14 ms
Status display	Yellow LED
Protective circuit	Damping diode

Contact side

Contact type	4 PDTs
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Maximum inrush current	16 A (20 ms, N/O contact)
Min. switching current	5 mA (at 24 V)
Limiting continuous current	6 A
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 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)
	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. 2×10^7 cycles
Designation	Air and creepage distances between the power circuits
Standards/regulations	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	2
Surge voltage category	II
Designation	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

Connection data

Single relay - REL-IR4/LDP-220DC/4X21 - 2903682

Technical data

Connection data

Connection method	Plug connection
-------------------	-----------------

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	27371601

ETIM

ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

UNSPSC

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

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

Single relay - REL-IR4/LDP-220DC/4X21 - 2903682

Approvals



UL Recognized 

cUL Recognized 

VDE Zeichengenehmigung 

EAC

cULus Recognized 

Accessories

Accessories

Relay socket

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

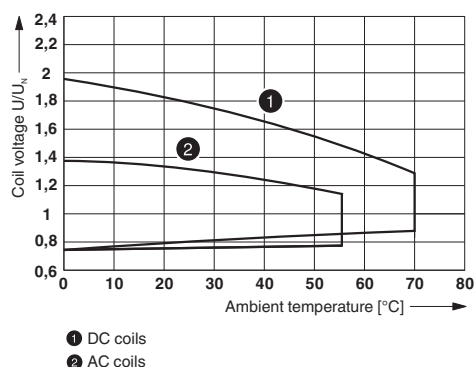


RIF-2... relay base, for industrial relay with 2 or 4 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

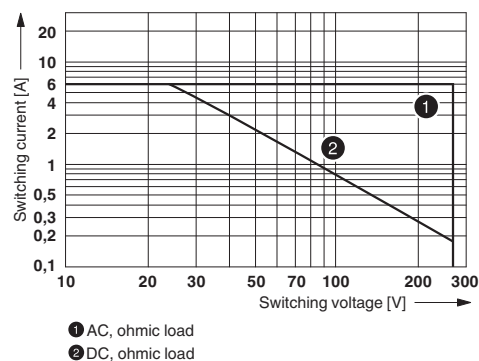
Drawings

Single relay - REL-IR4/LDP-220DC/4X21 - 2903682

Diagram

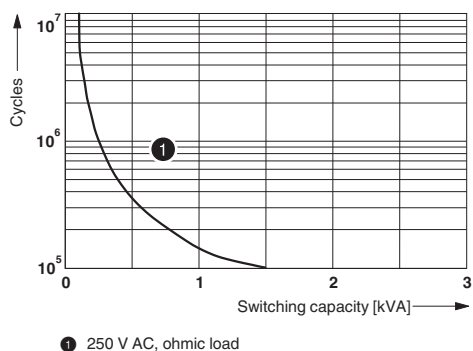


Diagram



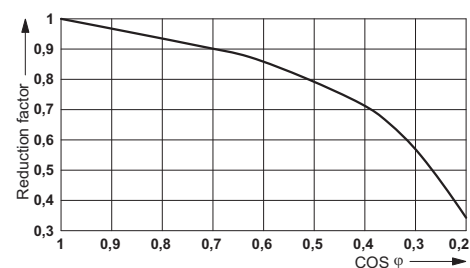
Operating voltage range

Diagram



Interrupting rating

Diagram



Electrical service life

Service life reduction factor