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Single relay - REL-IR/LDP-220DC/4X21AU - 2834973

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Pluggable industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, coil voltage: 220 V DC

The figure shows the version: REL-IR/LDP- 24DC/4X21 AU

Why buy this product

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

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
Custom tariff number	85364900
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

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Technical data

Coil side

Nominal input voltage U_N	220 V DC
Typical input current at U_N	3.6 mA
Typical response time	13 ms
Typical release time	14 ms
Coil resistance	60394 $\Omega \pm 15\%$ (at 20 °C)
Power dissipation for nominal condition	0.79 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	5 x 10 ⁷ cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Degree of pollution	2
Overvoltage category	II
Mounting position	any
Assembly instructions	On relay base PR2

Connection data input side

Connection name	Coil side
Connection method	Plug / solder connection

Connection data output side

Connection name	Contact side
Connection method	Plug / solder connection

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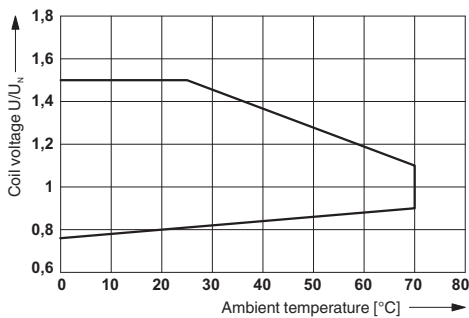
Technical data

Standards and Regulations

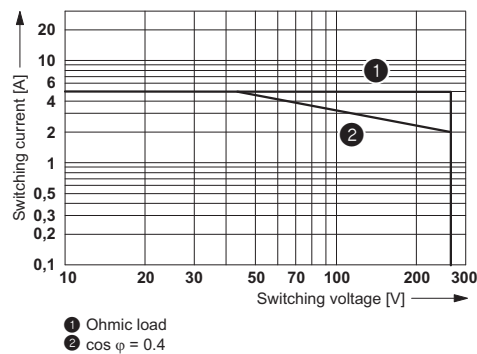
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Degree of pollution	2
Overvoltage category	II

Drawings

Diagram

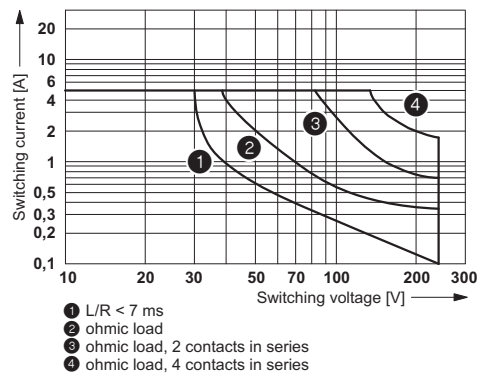


Diagram



Operating voltage range

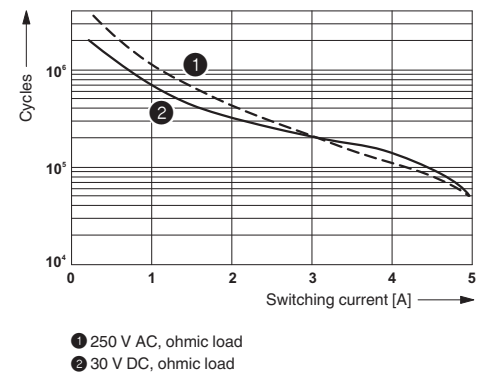
Diagram



DC interrupting rating

AC interrupting rating

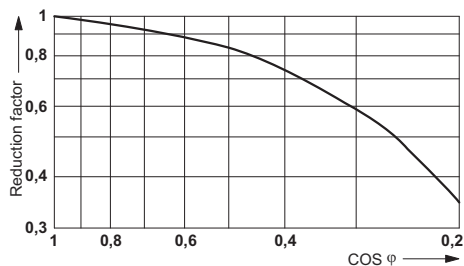
Diagram



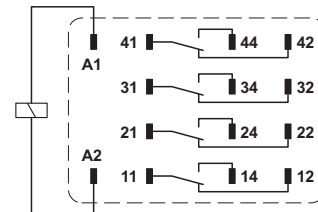
Electrical service life

Single relay - REL-IR/LDP-220DC/4X21AU - 2834973

Diagram



Circuit diagram



Shown without LED and damping diode.

Service life reduction factor

Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
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

UNSPSC

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

Approvals

Approvals

Single relay - REL-IR/LDP-220DC/4X21AU - 2834973

Approvals

Approvals

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

VDE Gutachten mit Fertigungsüberwachung  <http://www.vde.de> 40026798

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

EAC EAC-Zulassung

EAC 7500651.22.01.00244

cULus Listed 

Accessories

Additional products

Relay socket - PR2-BSC2/4X21 - 2833563



Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 2/2-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

Single relay - REL-IR/LDP-220DC/4X21AU - 2834973

Accessories

Relay socket - PR2-BSC3/4X21 - 2833576



Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5



Relay socket - PR2-BSP3/4X21 - 2833589

Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, spring-cage connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5