



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Single relay - REL-OR/LDP-110DC/1 - 2901909

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 octal relay with power contacts, specially designed for switching high DC loads, 1 N/O contact, detectable manual operation, status LED, coil voltage: 110 V DC

The figure shows the 24 V DC version

Product Features



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	102.0 GRM
Custom tariff number	85364900
Country of origin	India

Technical data

Dimensions

Width	35 mm
Height	35 mm
Depth	58.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	13 mA
Power dissipation for nominal condition	1.43 W

Single relay - REL-OR/LDP-110DC/1 - 2901909

Technical data

Coil side

Typical response time	20 ms
Typical release time	30 ms
Coil resistance	9.2 kΩ ±10 %
Operating voltage display	Yellow LED
Protective circuit	Damping diode

Contact side

Contact type	Single contact, 1 N/O contact (series connection, 2 N/O contacts)
Contact material	AgNi
Maximum switching voltage	250 V AC
	220 V DC
Minimum switching voltage	10 V (at 10 mA)
Maximum inrush current	30 A (20 ms)
Min. switching current	10 mA (at 10 V)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	1.2 A (110 V (DC13))
	0.3 A (220 V DC/230 V AC (DC13))
	6 A (220 V DC/230 V AC (AC15))

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 10 ⁷ cycles
Standards/regulations	IEC 61810
	EN 60947
Pollution degree	3
Surge voltage category	III
Mounting position	any
Assembly instructions	On relay base PR3

Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001

Single relay - REL-OR/LDP-110DC/1 - 2901909

Classifications

eCl@ss

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

UL Recognized / cUL Recognized / cUL Recognized / UL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

Single relay - REL-OR/LDP-110DC/1 - 2901909

Approvals

cUL Recognized 

cUL Recognized 

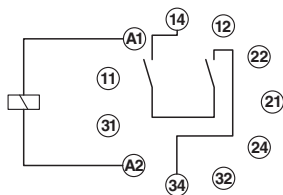
UL Recognized 

EAC

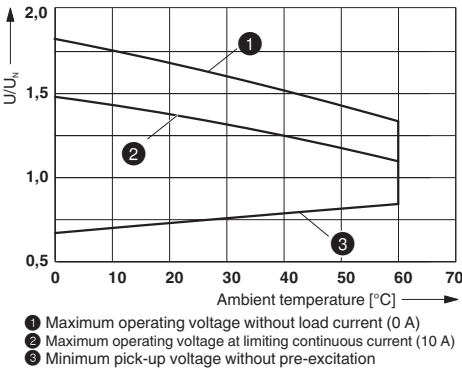
cULus Recognized  US

Drawings

Circuit diagram



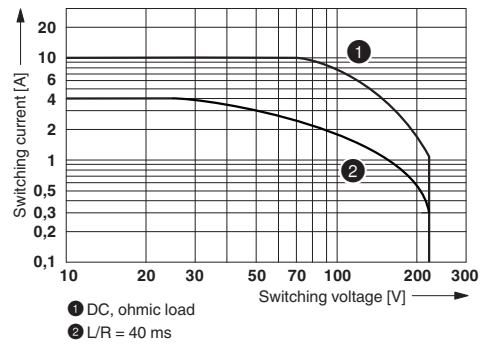
Diagram



Operating voltage range of the relay

Single relay - REL-OR/LDP-110DC/1 - 2901909

Diagram



DC interrupting rating