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Power Relays

RS PRO Interface Relays

RS Stock No.: 2824484, 2824481, 2824482, 2824483, 2824488, 2824485, 2824486, 2824487

Features

6A switching capacity

5mm width

Wide range of coil voltages

High breakdown voltage 4KV (between coil and contacts)

Surge voltage up to 6kV (between coil and contacts)

Sockets with push-in terminals and screw terminals available

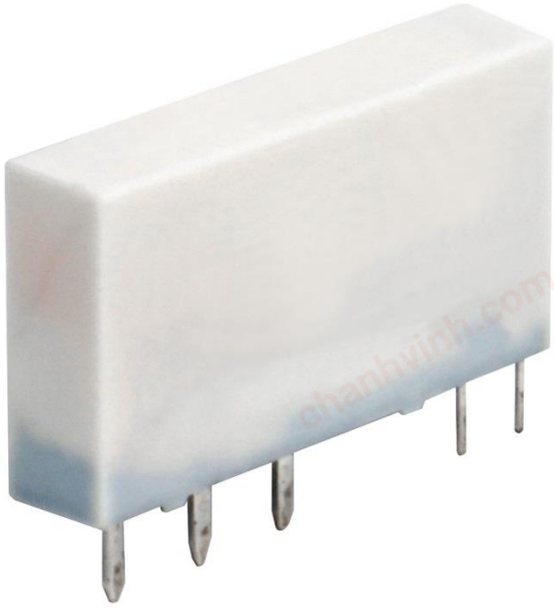
Changeover contact

RoHS compliant

6A switching capacity

5mm width

Wide range of coil voltages



Power Relays

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Single pole PCB mount relay with changeover contacts. Relays are designed for use with RS Pro CRINT sockets. This relay has gold plated contacts which allows for a lower switching voltage/current. This relay is commonly used as a control device Other common applications and industries include:

- Automotive industry
- Industrial machinery
- Telecommunication
- Household appliances.

Electrical Specifications

Coil voltage	Available in 12V, 24V, 48V and 60V
Contact rating (resistive load)	6A 250VAC/ 30VDC
Maximum switching voltage	400VAC/ 125VDC
Switching current	6A
Contact type	SPDT
Number of poles	1
Minimum current	100 mA
Minimum voltage	12VDC
Humidity	5% to 85% RH
Coil Power	12V to 24VDC: Approximately 170mW 48VDC and 60VDC: Approximately 210mW
Coil resistance	12VDC - 848Ω 24VDC - 3390Ω

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	48VDC – 10600Ω 60VDC - 16600Ω
Mounting type	PCB pins

Mechanical Specifications

Mechanical endurance (cycles)	≥ 10 000 000
contact material	AgSnO2

General Specifications

Ambient temperature storage	-40 … 85 °C
Pick-up time / bounce time	8 ms maximum
Release time / bounce time	4 ms maximum
Mounting	TH 35 (EN 60715)
Weight	5g
Length	27mm
Width	5mm
Height	19mm

Classification

eCl@ss (Version)	
UNSPSC (Version)	

Approvals

Declarations	cURus, RoHS compliant, VDE

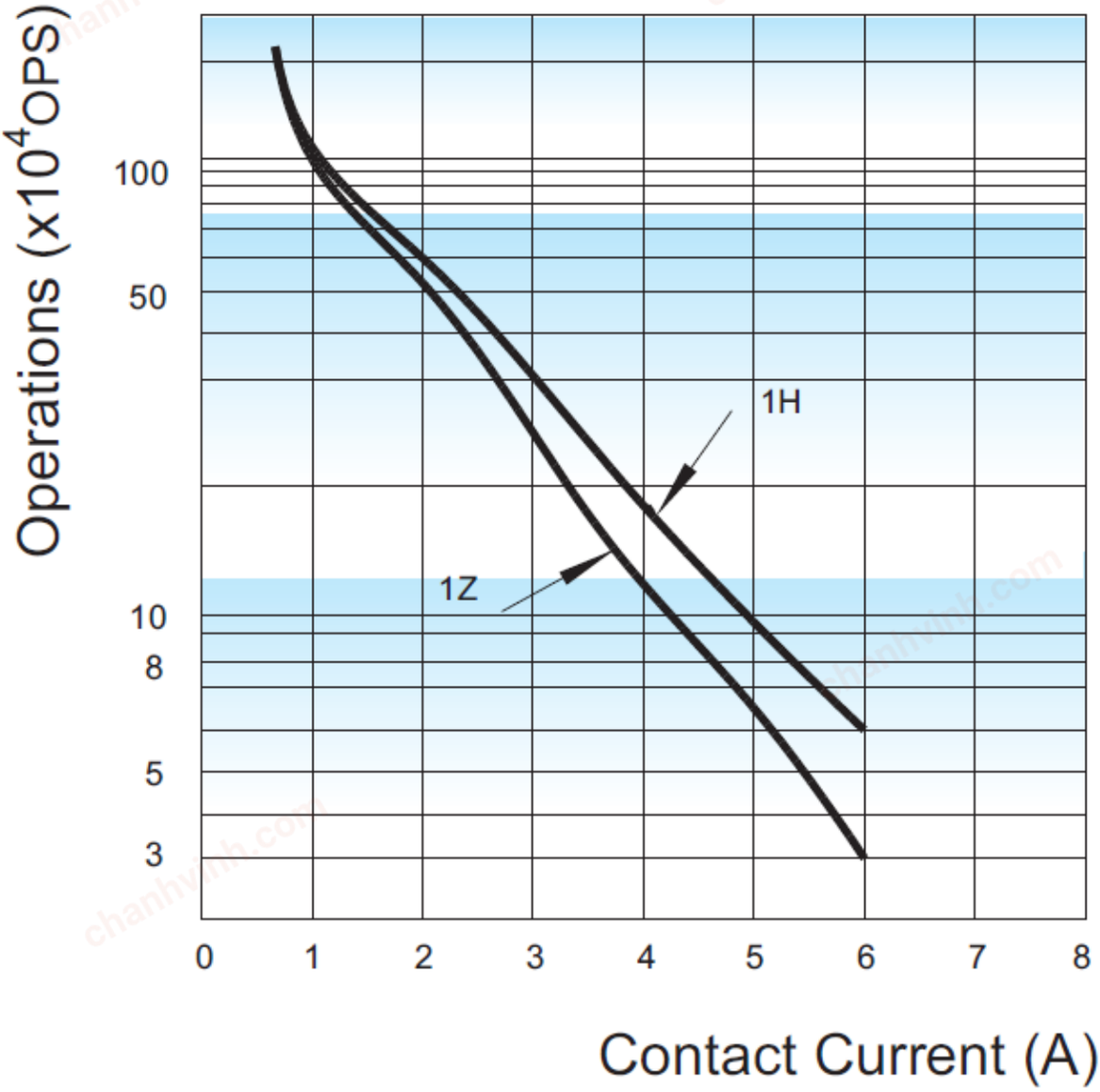
Similar Products

Power Relays

Stock No.	Brand	Product Name	Attribute 1	Attribute 2	Attribute 3
XXX-XXXX	RS PRO				
XXX-XXXX	RS PRO				

Endurance curve

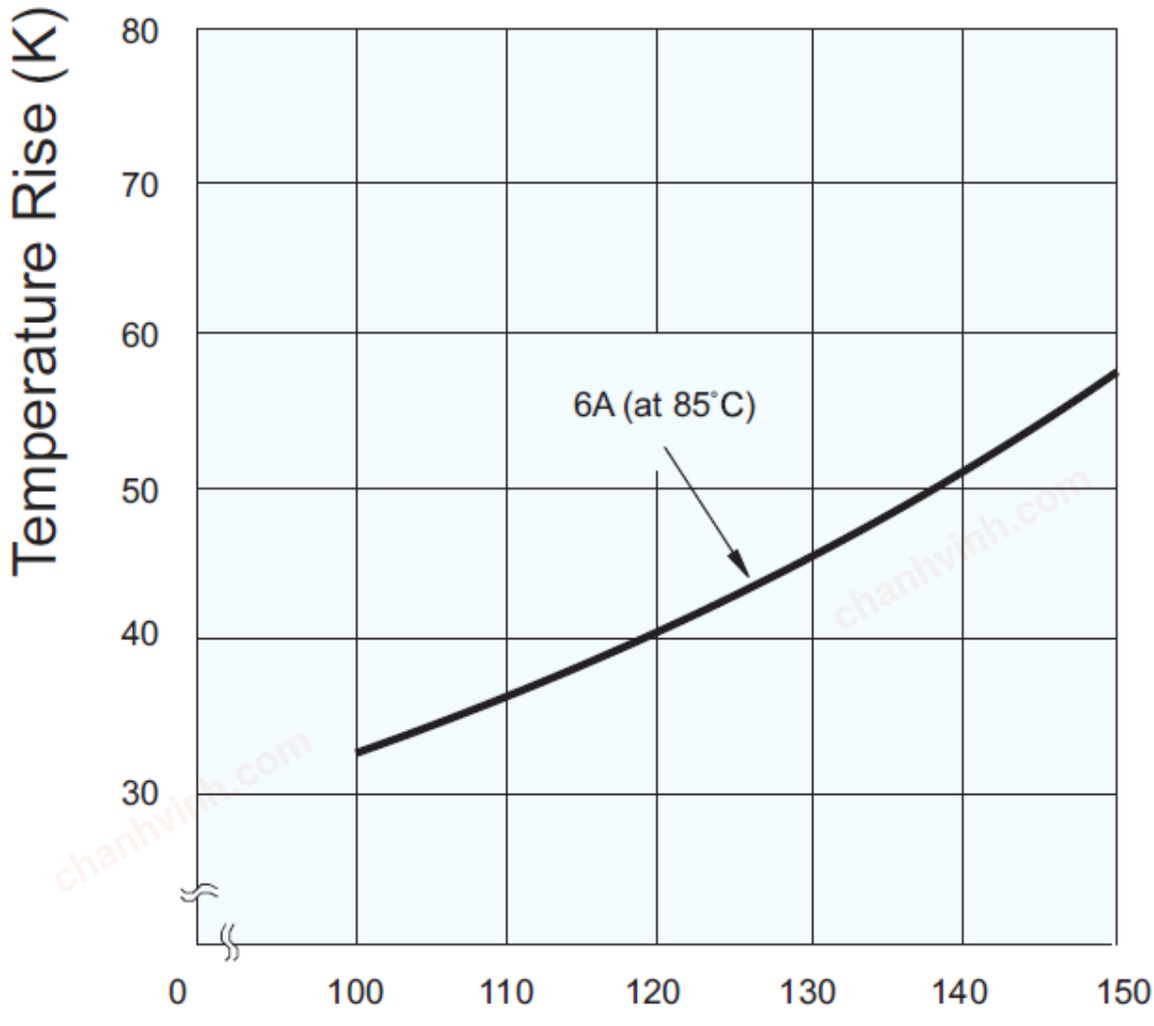
Power Relays



Test conditions:

NO, AgNi, Resistive load, 250VAC, Flux proofed, Room temp., the typical value of test 1s on 9s off.

Coil temperature rise



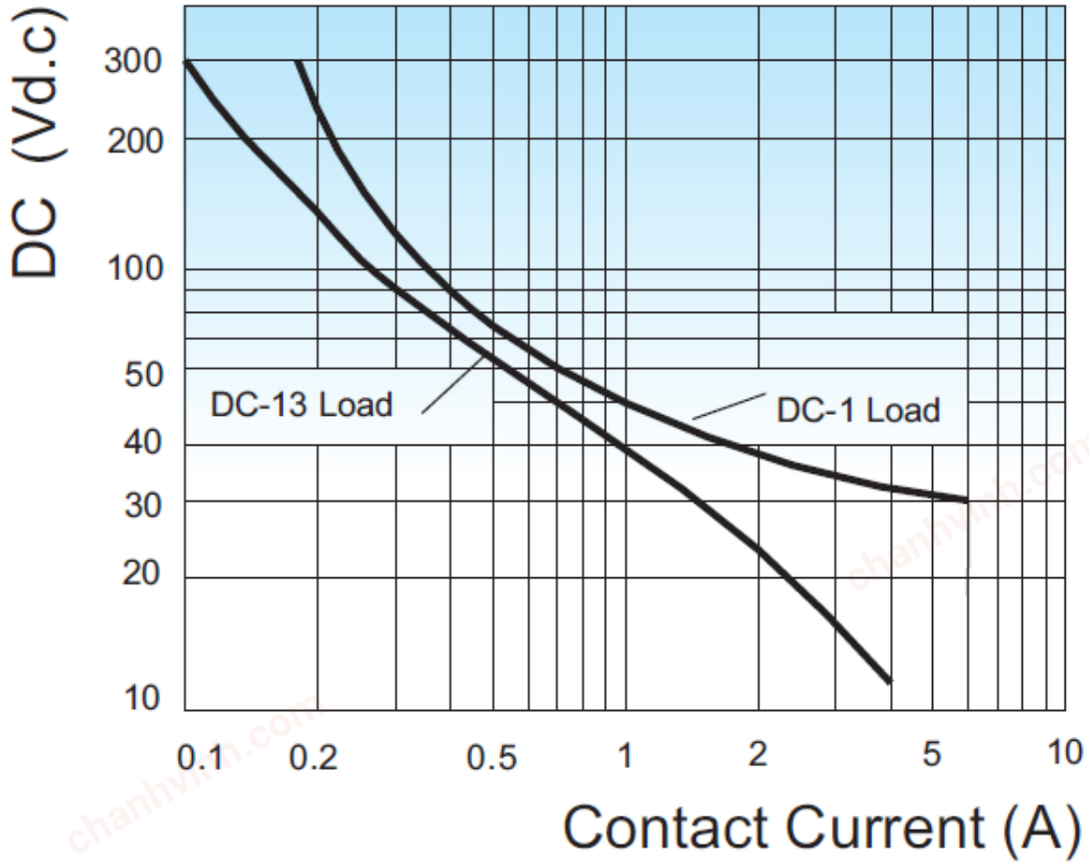
Test conditions:

6A 85°C

(Typical curve of 24VDC standard type)

Power Relays

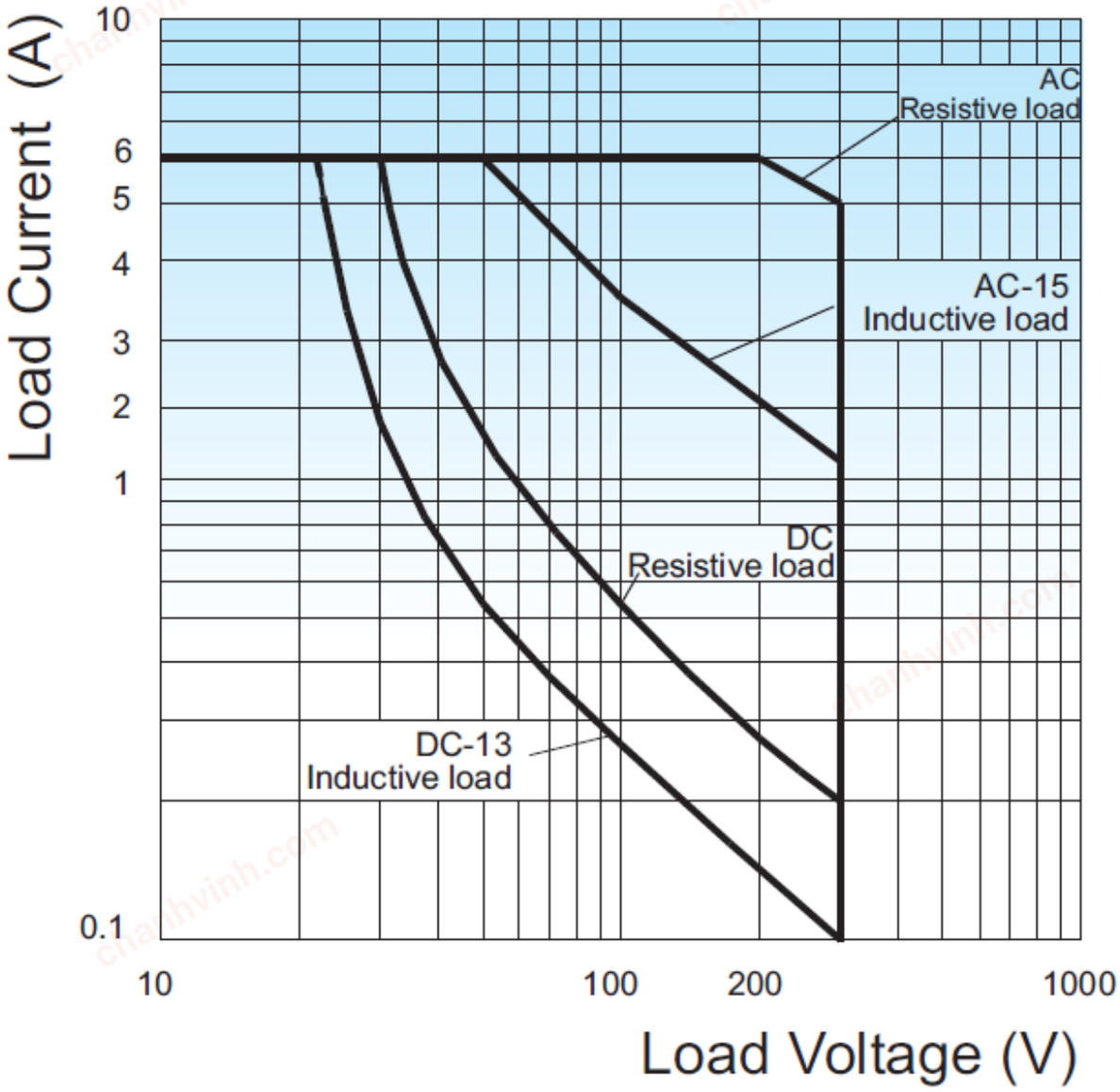
Load switching capacity curve



Test conditions: NO, Room temp.

Breaking capacity trip curve

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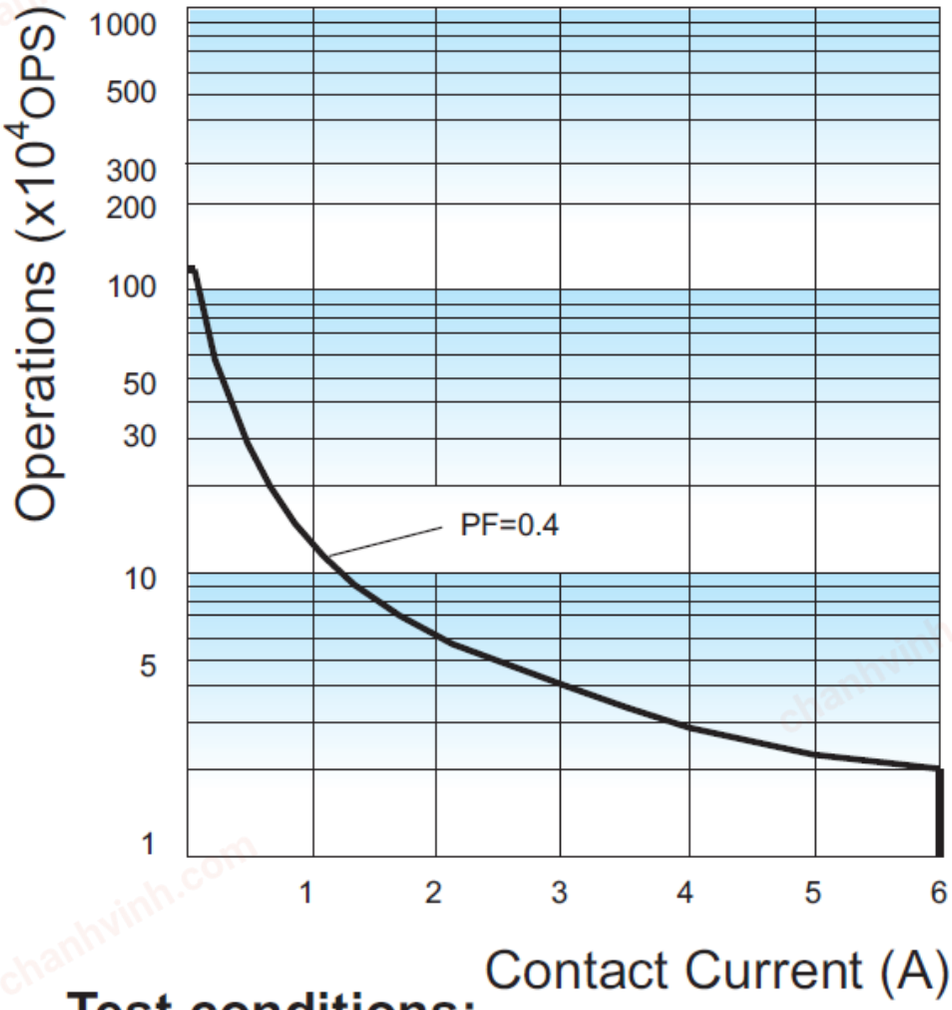


Test conditions:

Room temp., Plastic sealed, 1s on 9s off.

AC inductive load endurance curve

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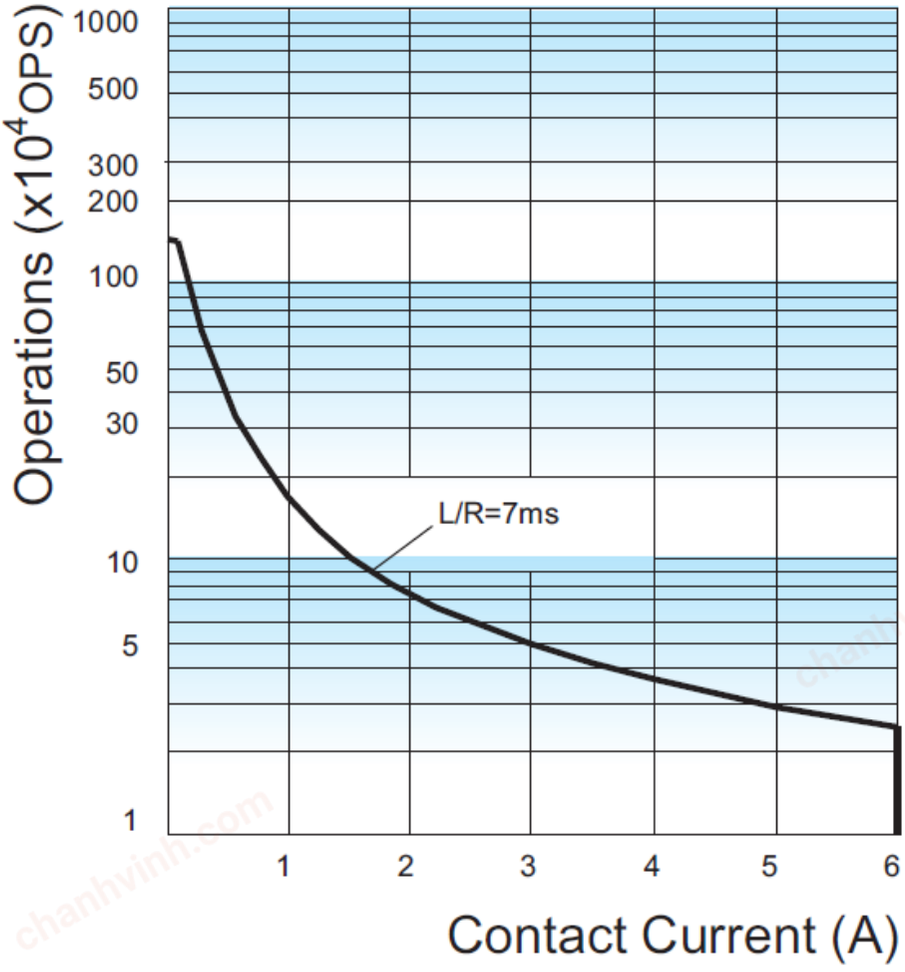


Test conditions:

NO， AgNi, Plastic sealed,Room temp.,
250VAC

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DC inductive load endurance curve



Test conditions:

NO, AgNi,Plastic sealed, Room temp., 24VDC

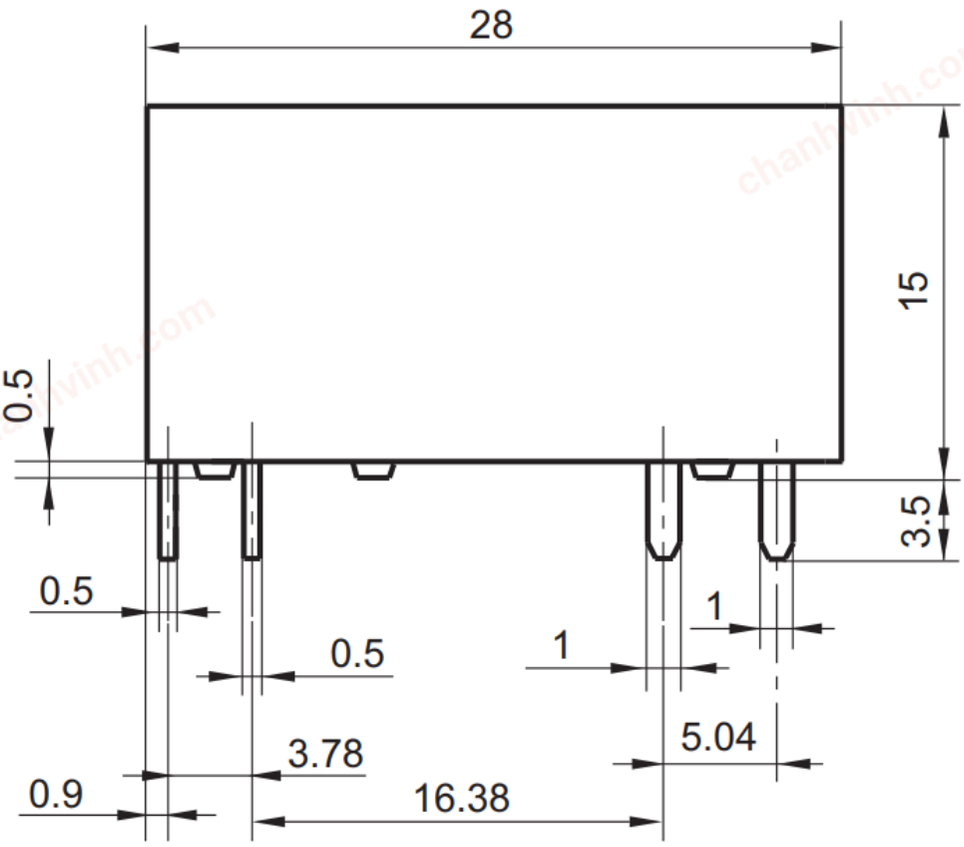
Wiring diagram

Power Relays

1 Form A



Dimensions



Connection Diagrams / Assembly Diagrams / Illustrations / Accessories