



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!



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## Single relay - REL-OR- 24DC/3X21 - 2834274

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Pluggable octal relay with power contacts, 3 PDT, test button, mechanical switching position indication, coil voltage 24 V DC

### Why buy this product

- ✓ Extremely rugged design
- ✓ With detectable manual operation
- ✓ Mechanical switch position indicator

**RoHS**

### Key Commercial Data

Packing unit	10 STK
GTIN	
GTIN	4017918941772

### Technical data

#### Dimensions

Width	34.5 mm
Height	34.5 mm
Depth	52.5 mm

#### Ambient conditions

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

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Typical input current at $U_N$	56 mA
Typical response time	12 ms
Typical release time	6 ms

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## Technical data

### Coil side

Coil resistance	430 $\Omega$ $\pm$ 15 % (at 20 °C)
Power dissipation for nominal condition	1.34 W

### Contact side

Contact type	3 PDTs
Type of switch contact	Single contact
Contact material	AgSnIn
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Min. switching current	10 mA
Maximum inrush current	on request
Limiting continuous current	10 A (N/O contact)
	5 A (N/C contact)
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2.5 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	10x 10 <sup>6</sup> cycles
Mounting position	any
Assembly instructions	On relay base PR3

### Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
Degree of pollution	3
Overvoltage category	II

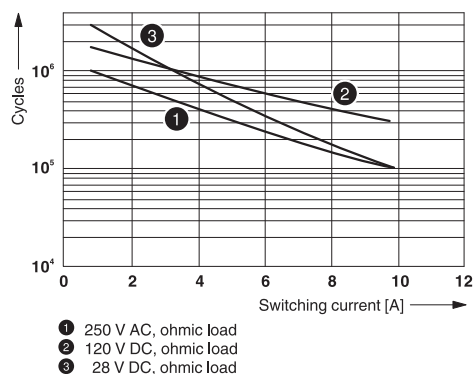
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

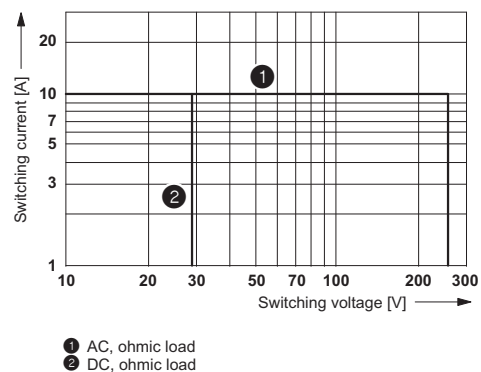
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Diagram



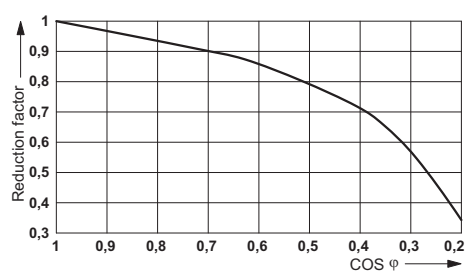
Electrical service life

Diagram



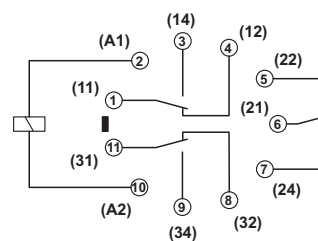
Interrupting rating

Diagram



Service life reduction factor with various cos phi

Circuit diagram



## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 172140

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### Approvals

cUL Recognized



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EAC



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cULus Recognized



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