



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

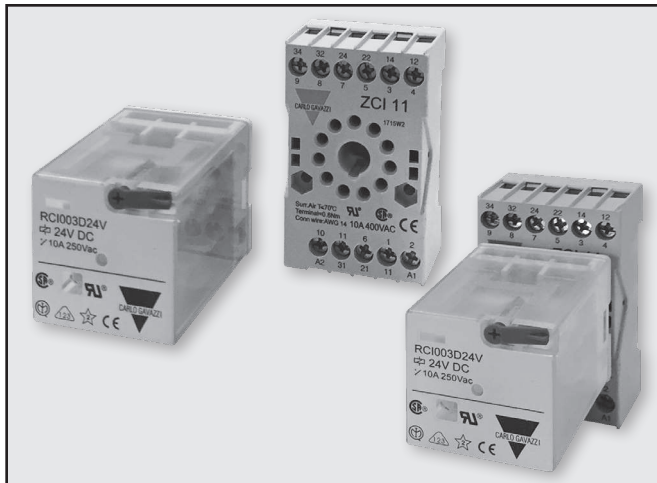
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



Industrial Relay Type RCI Monostable



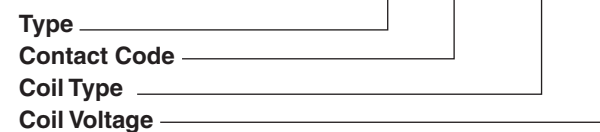
- 8 or 11- pin socket mounting
- 2 or 3 change over contacts
- 10A maximum switching current
- 250 VAC/VDC maximum switching voltage
- AC coils 12 ~ 240 VAC
- DC coils 12 ~ 110VDC
- Electrical life of 100,000 cycles
- Mechanical life of 10,000,000 cycles
- DIN sockets with two terminal layout options
- Standard indicating LED, push arm and test flag
- UL, CSA, CE, ROHS approvals

Product Description

The RCI is an industrial relay available in 2 or 3 change over contacts that can be used in a wide range of applications. It is

Ordering Key

RCI 003 A 24V



Product Selection



Type Selection

Type	Contact Code	Coil Type	Coil Voltage
RCI	002 - DPDT	A - AC	12V, 24V, 48V, 120V, 240V AC
	003 - 3PDT	D - DC	5V, 6V, 12V, 24V, 48V, 110V DC

Product Selection

Part Number	Contact Code	Coil voltage	Stock Code
RCI002A12V	DPDT 2 change over contacts, 8-pins	12 VAC	D
RCI002A24V		24 VAC	A
RCI002A48V		48 VAC	D
RCI002A120V		120 VAC	A
RCI002A240V		240 VAC	A
RCI002D5V		5 VDC	A
RCI002D6V		6 VDC	D
RCI002D12V		12 VDC	A
RCI002D24V		24 VDC	A
RCI002D48V		48VDC	D
RCI002D110V	110 VDC	D	

Part Number	Contact Code	Coil voltage	Stock Code
RCI003A12V	3PDT 3 change over contacts, 11-pins	12 VAC	D
RCI003A24V		24 VAC	A
RCI003A48V		48 VAC	D
RCI003A120V		120 VAC	A
RCI003A240V		240 VAC	A
RCI003D5V		5 VDC	A
RCI003D6V		6 VDC	D
RCI003D12V		12 VDC	A
RCI003D24V		24 VDC	A
RCI003D48V		48VDC	D
RCI003D110V	110 VDC	D	

Contact Characteristics

Arrangement:	DPDT, 3PDT
Contact Rating:	NO: 10A 250VAC/30VDC
	NC: 5A 250VAC/30VDC
Hp rating at 240VAC	1/3 Hp
Maximum Switching Voltage:	250VAC / 250VDC
Minimum Switching Current:	100mA 5VDC

Material :	AgSnO2
Contact Resistance:	≤ 100 mOhms (at 6 VDC 1A)
Reaction Time to Close:	≤ 20ms
Reaction Time to Open:	≤ 20ms
Electrical Life:	100,000 cycles (1800 per hour)
Mechanical Life	10,000,000 cycles (18,000 per hour)

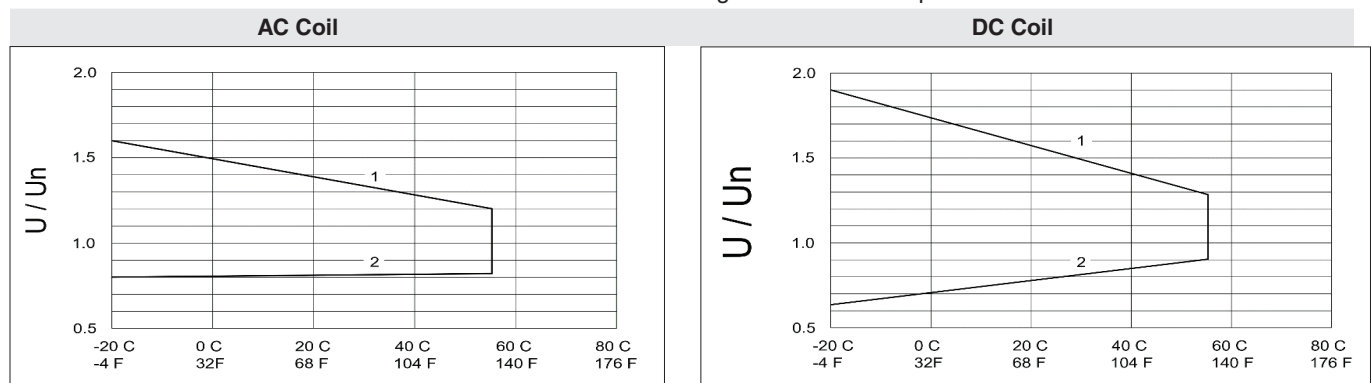
Industrial Relay Type RCI Monostable



Coil Characteristics

AC Coil						DC Coil					
Coil Code	Nominal Voltage	Pick-up		Coil Resistance	Coil Power	Coil Code	Nominal Voltage	Pick-up		Coil Resistance	Coil Power
		at +23°C						at +23°C			
	VAC	≥ VAC	≤ VAC	W ±10%	VA		VAC	≥ VAC	≤ VAC	W ±10%	VA
12V	12V	80%	30%	18	aprox. 2.8	5V	80% 10%			15.6	aprox. 1.6
24V	24V			72		22.5					
48V	48V			288		90					
120V	110/120V			1650		360					
240V	220/240V			6800		1440					
						110V				7000	

Minimum and Maximum Coil Voltage vs Ambient Temperature



- 1- Maximum coil voltage vs. temperature
- 2- Minimum coil voltage vs. temperature

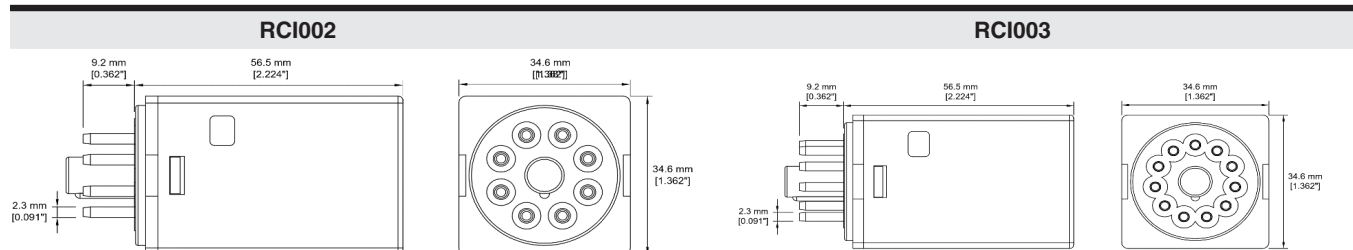
Insulation

Between Open Contacts (1mA leakage)	≥ 1000 VAC for 1 minute
	≥ 1200 VAC for 1 second
Between Contact and Coil and	≥ 1500 VAC for 1 minute
Contact to Contact (1mA leakage)	≥ 1700 VAC for 1 second

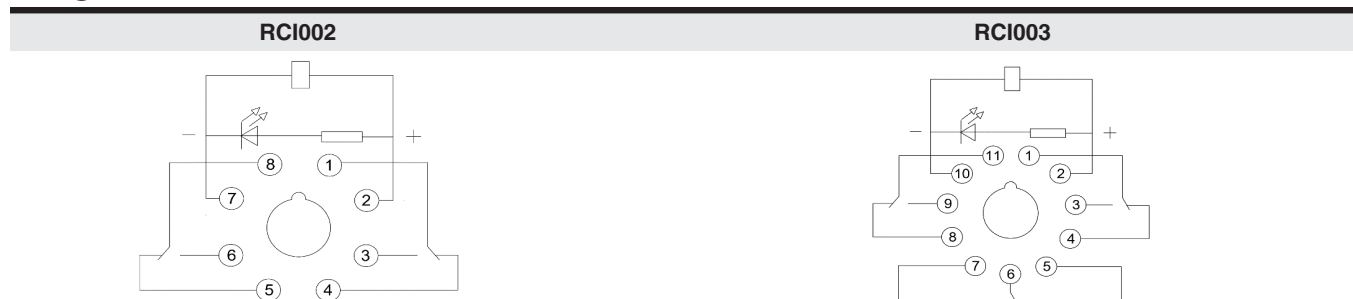
Environmental Specifications

Operational Temperature	-40°C ~ +55°C
Operational Humidity	35% ~ 85%
Storage Temperature	-40°C ~ +55°C
Storage Humidity	20% ~ 85%

Dimensions



Diagram



Industrial Relay Type RCI Monostable



Accessories

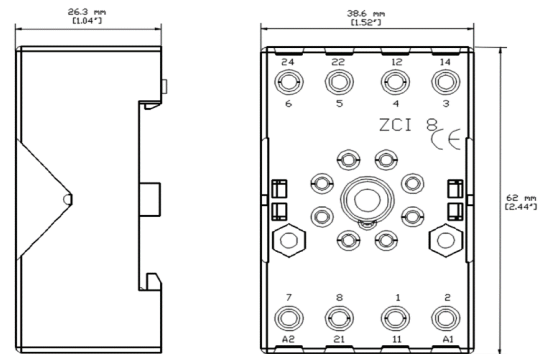
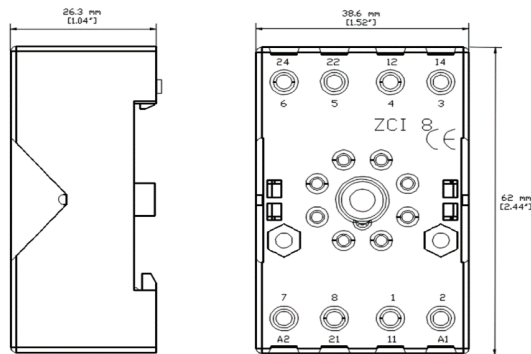
Part Number	Description	Stock Code
ZCI08	DIN Socket for RCI002 relay without holding spring	A
ZCI11	DIN Socket for RCI004 relay without holding spring	A
ZCIK53	Metal holding spring for for ZCI08 and ZCI11 sockets	A

Socket Specifications

Arrangement:	8-PIN, 11-PIN	DIN-rail standard	35 mm
Insertion and extraction force	30-130 N (8-PIN), 40-150 N (11-PIN)	Load capacity	400VAC, 10A
Max screw torque	0.8Nm (7.1 lb-inch)	Operational temp. range	-40°C ~ +85°C
Dialectric strength	> 2000V	Wire size range	20-14 AWG / 0.5-2.5 mm ²

ZCI08

ZCI11



Agency Approvals



E489542
E489543

269657