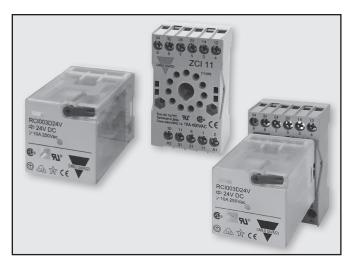
# **Industrial Relay** Type RCI Monostable





- 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 that can be used in a wide over contacts configurations. range of applications. It is

#### **RCI 003 A 24V Ordering Key**

Type		
Contact Code ——		
Coil Type		
Coil Voltage ———		

#### **Product Selection**

# **71** ® CE RoHS

## **Type Selection**

Туре	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		12 VAC	D
RCI002A24V		24 VAC	А
RCI002A48V	1	48 VAC	D
RCI002A120V	1	120 VAC	А
RCI002A240V	DPDT	240 VAC	А
RCI002D5V	2 change over	5 VDC	Α
RCI002D6V	contacts, 8-pins	6 VDC	D
RCI002D12V		12 VDC	Α
RCI002D24V		24 VDC	А
RCI002D48V		48VDC	D
RCI002D110V	]	110 VDC	D

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

### **Contact Characteristics**

Arrangement:	DPDT, 3PDT
Contact Rating:	10A 250VAC/30VDC
Hp rating at 240VAC	1/3 Hp
Maximum Switching Voltage:	250VAC / 30VDC
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**

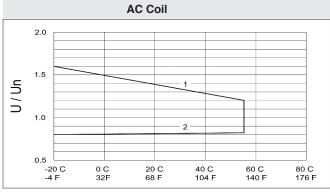
	Nominal	Pick-up	Drop-out	Coil	Coil
Coil Code	Voltage	at +23°C		Resistance	Power
	VAC	≥ VAC	≤ VAC	Ω ±10%	VA
12V	12V			18	
24V	24V			72	
48V	48V	80%	30%	288	aprox. 2.8
120V	110/120V			1650	2.0
240V	220/240V			6800	

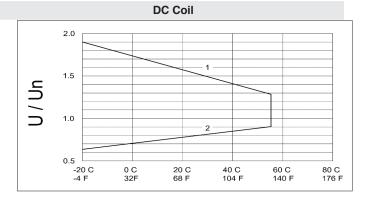
AC Coil

Coil Code	Nominal Voltage	Pick-up	Drop-out 23°C	Coil Resistance	Coil Power
000000	VAC	≥ VAC	≤ VAC	Ω ±10%	VA
5V	5V			15.6	
6V	6V	80% 10%		22.5	
12V	12V			90	aprox.
24V	24V			360	1.6
48V	48V			1440	
110V	110V			7000	

DC Coil

Minimum and Maximum Coil Voltage vs Ambient Temperature





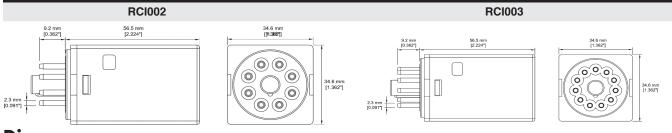
#### Insulation

Between Open Centests (1 m A legicons)	≥ 1000 VAC for 1 minute	
Between Open Contacts (1mA leakage)	≥ 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



<sup>1-</sup> Maximum coil voltage vs. temperature

<sup>2-</sup> Minimum coil voltage vs. temperature