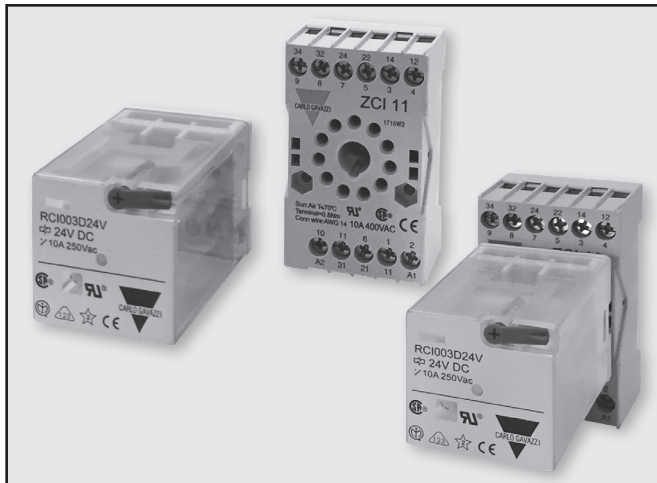


# Industrial Relay Type RCI Monostable



- 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**

Type \_\_\_\_\_  
Contact Code \_\_\_\_\_  
Coil Type \_\_\_\_\_  
Coil Voltage \_\_\_\_\_

## 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:	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)

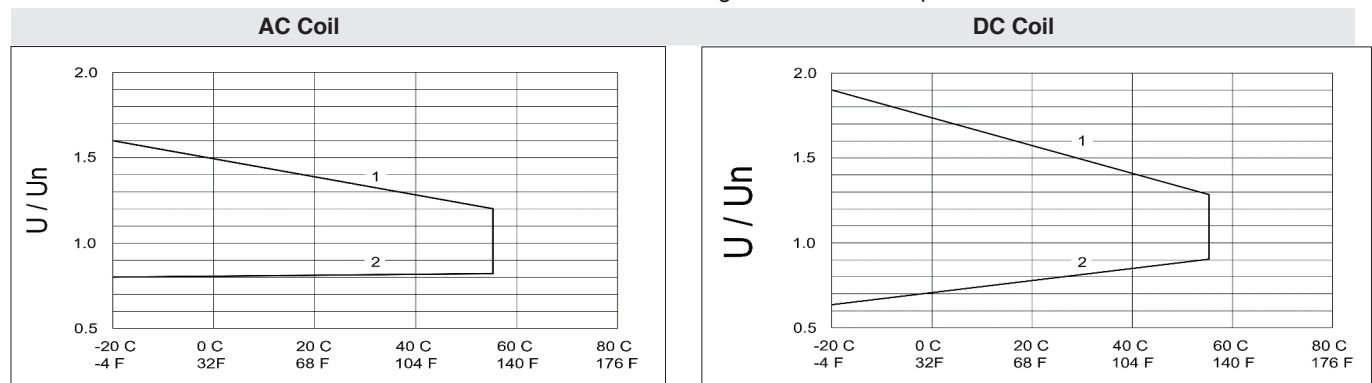
# Industrial Relay Type RCI Monostable



## Coil Characteristics

AC Coil						DC Coil					
Coil Code	Nominal Voltage	Pick-up at +23°C		Coil Resistance $\Omega \pm 10\%$	Coil Power VA	Coil Code	Nominal Voltage	Pick-up at +23°C		Coil Resistance $\Omega \pm 10\%$	Coil Power VA
		$\geq VAC$	$\leq VAC$					$\geq VAC$	$\leq VAC$		
12V	12V	80%	30%	18	aprox. 2.8	5V	5V	80% 10%		15.6	aprox. 1.6
24V	24V			72		6V	6V			22.5	
48V	48V			288		12V	12V			90	
120V	110/120V			1650		24V	24V			360	
240V	220/240V			6800		48V	48V			1440	
						110V	110V			7000	

Minimum and Maximum Coil Voltage vs Ambient Temperature



1- Maximum coil voltage vs. temperature

2- Minimum coil voltage vs. temperature

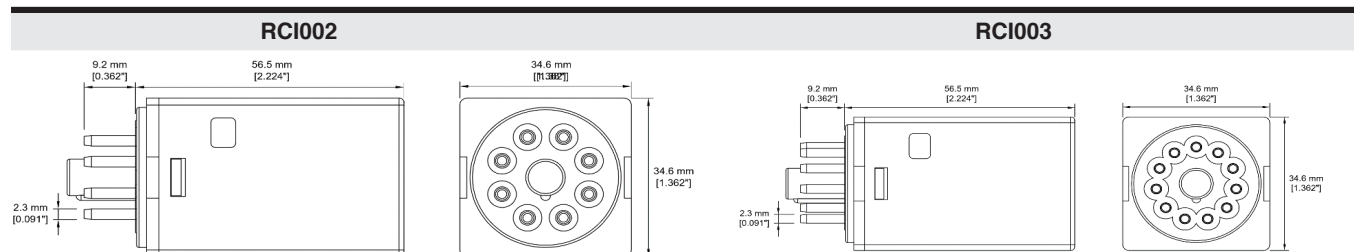
## Insulation

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

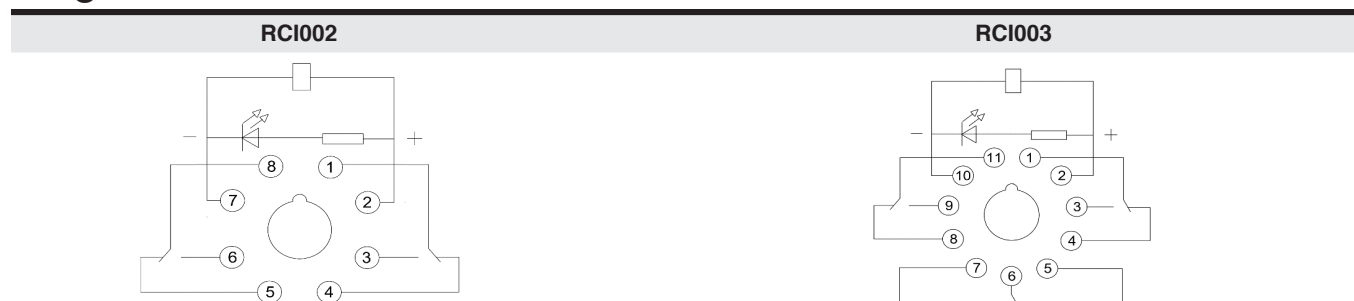
## Environmental Specifications

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

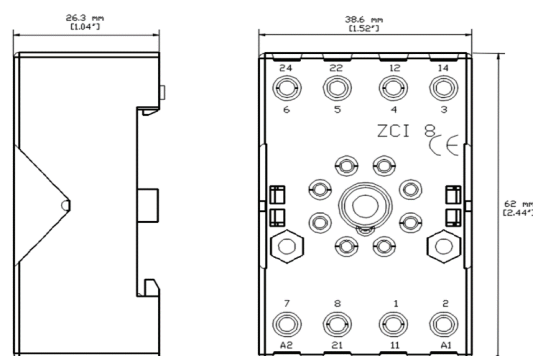
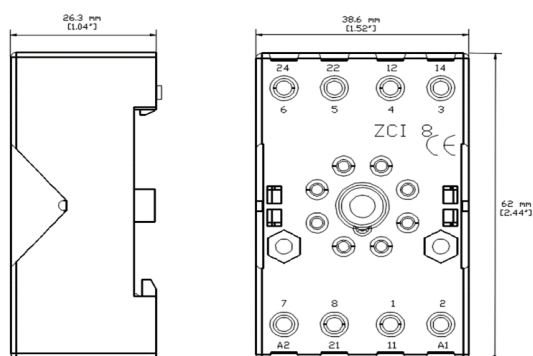
Part Number	Description	Stock Code
ZCI08	DIN Socket for RCI002 relay without holding spring	A
ZCI11	DIN Socket for RCI003 relay without holding spring	A
ZCIK53	Metal holding spring for for ZCI08 and ZCI11 sockets	A

## 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 <sup>2</sup>

ZCI08

ZCI11



## Agency Approvals



E489542  
E489543

269657

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Carlo Gavazzi:

[RCI002D48V](#) [RCI002A120V](#) [RCI002A12V](#) [RCI002A24V](#) [RCI002A48V](#) [RCI003A24V](#) [ZCI08](#) [RCI003A240V](#)  
[RCI003A48V](#) [RCI002D5V](#) [ZCIK53](#) [RCI002D6V](#) [RCI003A120V](#) [RCI003A12V](#) [RCI002A240V](#) [RCI003D12V](#)  
[RCI003D48V](#) [RCI003D5V](#) [RCI002D12V](#) [RCI003D6V](#) [RCI003D110V](#) [ZCI11](#) [RCI003D24V](#) [RCI002D110V](#)  
[RCI002D24V](#)