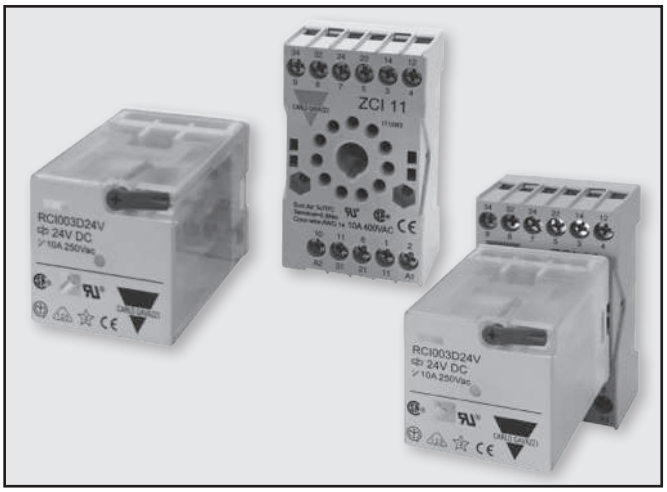
Industrial Relay
Type RCI
Monostable



- 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 that can be used in a wide range of applications. It is available in 2 or 3 change over contacts configurations.

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
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Monostable

Coil Characteristics

AC Coil

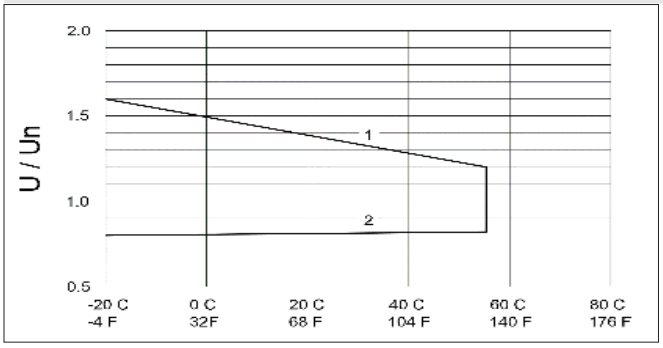
Coil Code	Nominal Voltage	Pick-up at +23°C	Drop-out at +23°C	Coil Resistance	Coil Power
	VAC	≥ VAC	≤ VAC	Ω ±10%	VA
12V	12V	80%	30%	18	aprox. 2.8
24V	24V			72	
48V	48V			288	
120V	110/120V			1650	
240V	220/240V			6800	

DC Coil

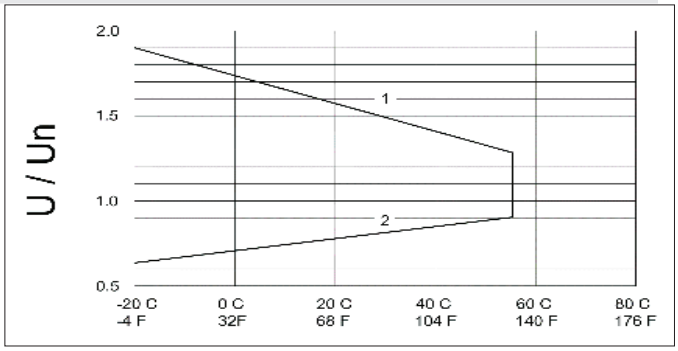
Coil Code	Nominal Voltage	Pick-up at +23°C	Drop-out at +23°C	Coil Resistance	Coil Power
	VAC	≥ VAC	≤ VAC	Ω ±10%	VA
5V	5V	80%	10%	15.6	aprox. 1.6
6V	6V			22.5	
12V	12V			90	
24V	24V			360	
48V	48V			1440	
110V	110V			7000	

Minimum and Maximum Coil Voltage vs Ambient Temperature

AC Coil



DC Coil



1- Maximum coil voltage vs. temperature

2- Minimum coil voltage vs. temperature

Insulation

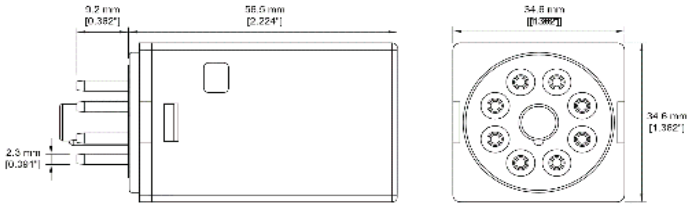
Between Open Contacts (1mA leakage)	≥ 1000 VAC for 1 minute
	≥ 1200 VAC for 1 second
Between Contact and Coil and	≥ 1500 VAC for 1 minute
Contact to Contact (1mA leakage)	≥ 1700 VAC for 1 second

Environmental Specifications

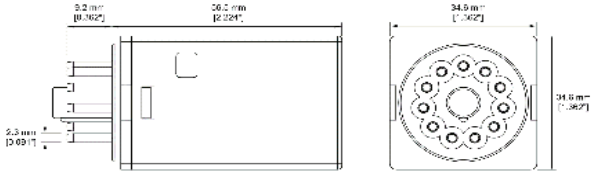
Operational Temperature	-40°C ~ +55°C
Operational Humidity	35% ~ 85%
Storage Temperature	-40°C ~ +55°C
Storage Humidity	20% ~ 85%

Dimensions

RCI002

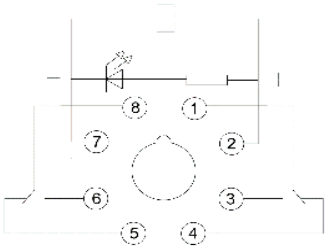


RCI003

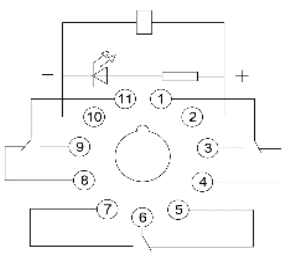


Diagram

RCI002



RCI003



Industrial Relay
Type RCI
Monostable

Accessories

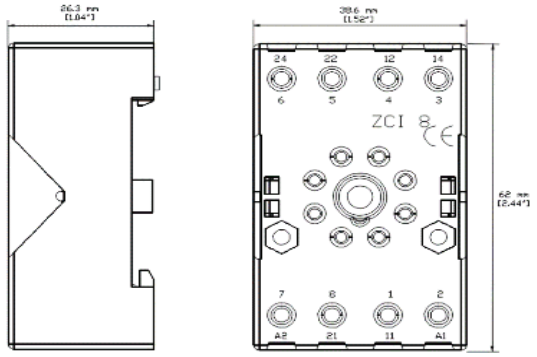
Part Number	Description	Stock Code
ZCI08	DIN Socket for RCI002 relay without holding spring	A
ZCI11	DIN Socket for RCI003 relay without holding spring	A
ZCIK53	Metal holding spring for for ZCI08 and ZCI11 sockets	A

Socket Specifications

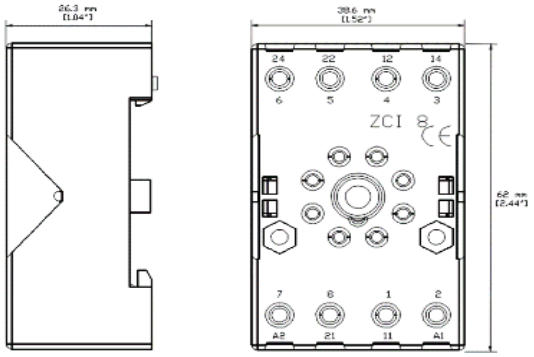
Arrangement:	8-PIN, 11-PIN
Insertion and extraction force	30-130 N (8-PIN), 40-150 N (11-PIN)
Max screw torque	0.8Nm (7.1 lb-inch)
Dialectric strength	> 2000V

DIN-rail standard	35 mm
Load capacity	400VAC, 10A
Operational temp. range	-40°C ~ +85°C
Wire size range	20-14 AWG / 0.5-2.5 mm2

ZCI08



ZCI11



Agency Approvals

E489542
E489543

269657