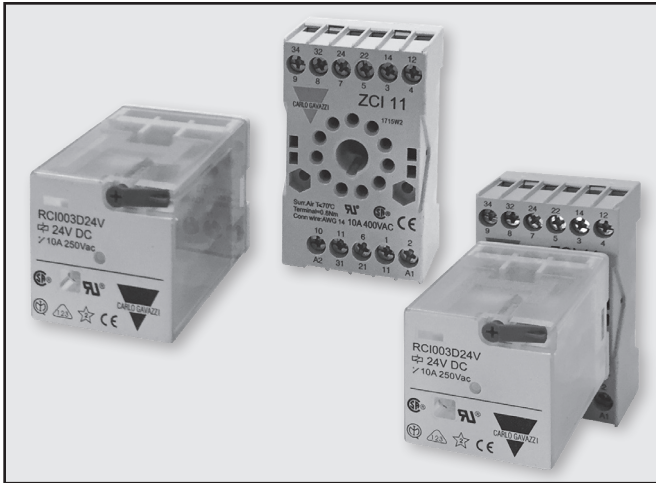


Industrial Relay Type RCI Monostable



- 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) |

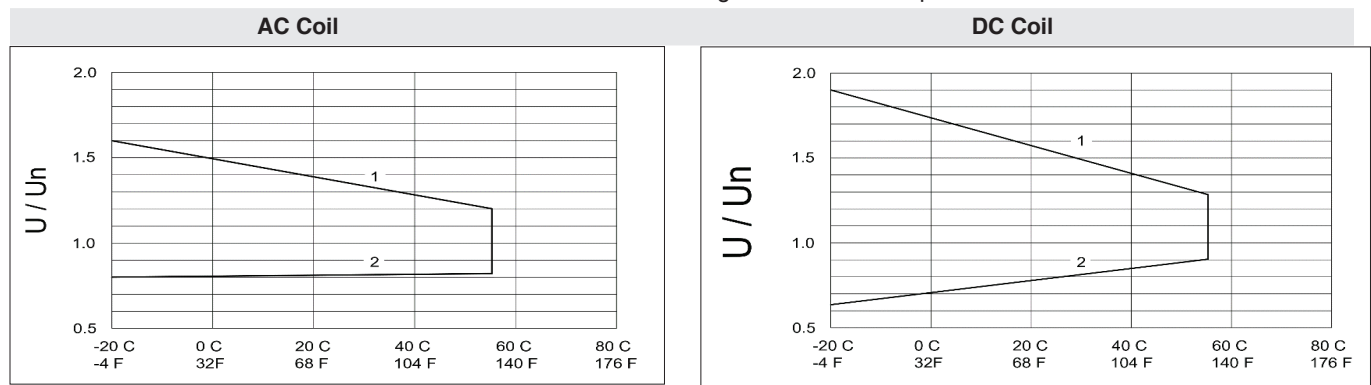
Industrial Relay Type RCI Monostable



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 | | 22.5 | | | | | |
| 48V | 48V | | | 288 | | 90 | | | | | |
| 120V | 110/120V | | | 1650 | | 360 | | | | | |
| 240V | 220/240V | | | 6800 | | 1440 | | | | | |
| | | | | | | 110V | 110V | | 7000 | | |

Minimum and Maximum Coil Voltage vs Ambient Temperature



1- Maximum coil voltage vs. temperature

2- Minimum coil voltage vs. temperature

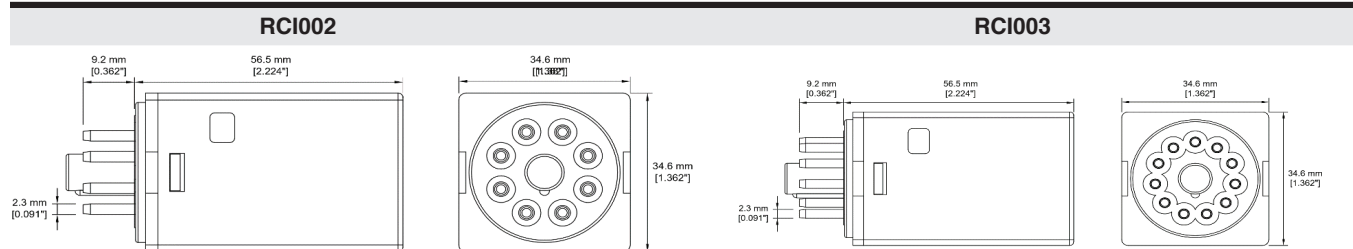
Insulation

| | |
|-------------------------------------|--|
| Between Open Contacts (1mA leakage) | ≥ 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 RCI003 relay without holding spring | A |
| ZCIK53 | Metal holding spring for for ZCI08 and ZCI11 sockets | A |

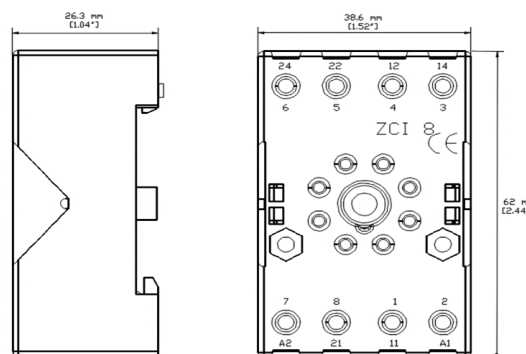
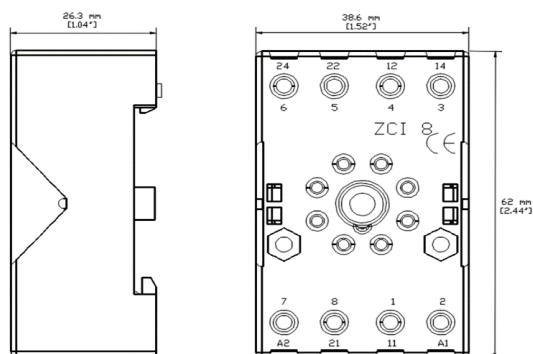
Socket Specifications

| | |
|--------------------------------|-------------------------------------|
| 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 mm ² |

ZCI08

ZCI11



Agency Approvals



E489542
E489543

269657