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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

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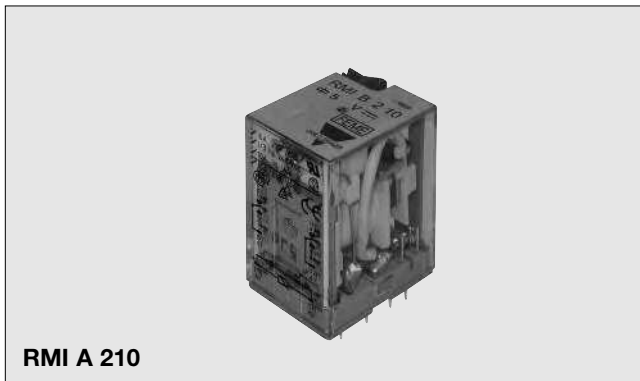
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# Midi Industrial Relay Type RMI. 2-10 10A Monostable

CARLO GAVAZZI



RMI A 210

- High switching power
- Small size
- 2 poles configuration
- AC coils 6 to 230VAC
- DC coils 5 to 110VDC
- 3750VAC dielectric coil to contacts
- Standard with LED, Push with arm and Flag
- IP 40
- Compliant with the CE low voltage directive
- TÜV, UL, CSA, IMQ approved

## Product Description

The RMI relay (relay mini-industrial) can be used for a wide range of industrial applications.

Available in 2 change-over contact configuration. PCB, solder and plug-in terminals.

## Ordering Key

**RMI A 210 12DC /1**

Type \_\_\_\_\_  
 Terminal version \_\_\_\_\_  
 Contact code \_\_\_\_\_  
 Coil code \_\_\_\_\_  
 Options \_\_\_\_\_

Terminal version: A = Soldering terminals  
 B = PCB terminals

## Approvals



Box content: 25 relays  
 Box size: (W 125 x D 165 x H 50) mm Weight: 850g  
 (W 4.92 x D 6.50 x H 1.97) inches Weight: 29.98oz

## Type Selection

Contact configuration	Contact rating	Contact code
2 change over contacts (DPDT {2-form C})	10A	210

## Coil Characteristics, DC 0.9W

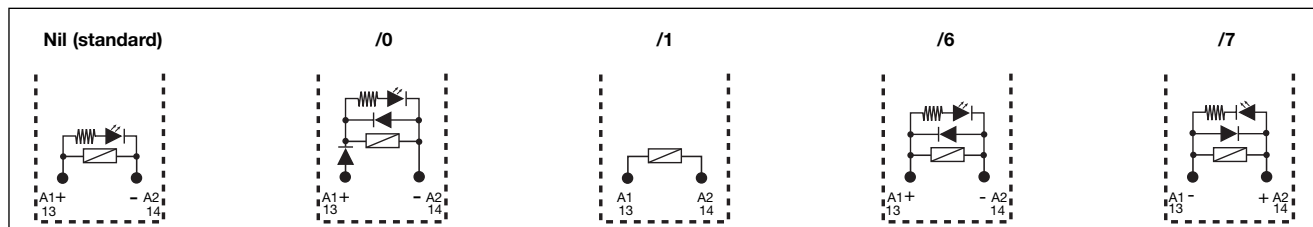
Coil Code	Nominal voltage VDC	@ +20°C (+68°F)		Coil resistance Ω
		Pick-up voltage VDC	Drop-out voltage DVC	
5VDC	5	4.0	0.5	27.5 ±10%
6VDC	6	4.8	0.6	40.0 ±10%
12VDC	12	9.6	1.2	160.0 ±10%
24VDC	24	19.2	2.4	650.0 ±10%
48VDC	48	38.4	4.8	2600.0 ±15%
60VDC	60	48.0	6.0	11000.0 ±15%
110VDC	110	88.0	11.0	11000.0 ±15%

## Coil Characteristics, AC 1.2VA

Coil Code	Nominal voltage VAC	@ +20°C (+68°F)		Coil resistance Ω
		Pick-up voltage VAC	Drop-out voltage VAC	
6VAC	6	4.8	1.8	40.0 ±10%
12VAC	12	9.6	3.6	160.0 ±10%
24VAC	24	19.2	7.2	650.0 ±10%
48VAC	48	38.4	14.4	2600.0 ±10%
115/120VAC	110-120	96.0	36.0	11000.0 ±15%
230VAC	220-240	176.0	66.0	11000.0 ±15%

## Options

**Nil** = Standard with Push Arm -LED (A1+) (A2-)- Flag  
**/0** = Diode against polarity reverse + free-wheeling Diode (A1+) (A2-)  
**/1** = Without LED  
**/2** = Without Flag  
**/3** = Without Push Arm  
**/4** = Plated Contacts Au > 5µm  
**/5** = Flash Gilded Contacts Au > 1µm  
**/6** = Free-Wheeling Diode (A1+) (A2-)  
**/7** = Free-Wheeling Diode (A1-) (A2+)



## Contact Characteristics

<b>Contact rating</b> (with resistive load)	10A - 250VAC / 30VDC	<b>Minimum Current</b>	Min. applicable load	5mA @ 12VDC 1mA @ 6VDC
<b>UL rating</b>	10A - 250VAC / 30VDC 1/3HP @ 240VAC	<b>Max. switch. voltage</b>	250VAC / 30VDC @ 10A	
<b>Max. rating</b>	10A - 250VAC / 30VDC	<b>Max. switch. power</b>	2500VA / 300W @ 10A	
<b>Material</b>	AgCe	<b>Life</b>	Electrical life	1x10 <sup>5</sup> cycles (1800 Ops/h)
<b>Initial contact resistance</b>	50mΩ (@ 1A 6VDC)		Mechanical life	1x10 <sup>7</sup> cycles (1800 Ops/h)

## Insulation

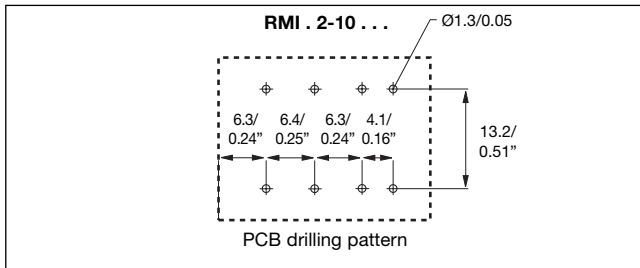
<b>Test Voltage</b> (1 min.)	Between coil and contacts	3750VAC Vr.m.s	<b>Insulation according to EN61810-5</b>	
	Between open contacts	750VAC Vr.m.s	Rated insulation voltage	250V
	Contact/Contact	1250VA Vr.m.s	Impulsive insulation voltage	3.6kV
<b>Initial insulation resistance</b>		1.000MΩ - 500VAC	Pollution degree	2
			Overvoltage category	III

## General Data

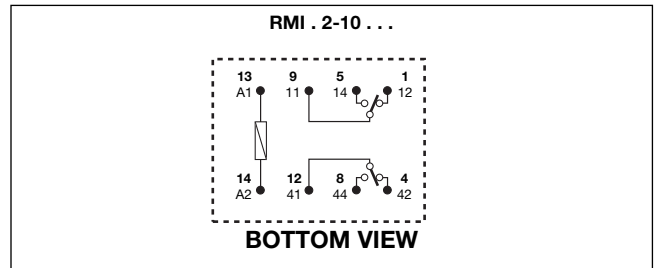
<b>Nominal coil power</b>	0.9W DC / 1.2VA AC	<b>Shock resistance</b>	Functional	100m/s <sup>2</sup> / 10g 11ms
<b>Operating time</b> (At nominal voltage)	20ms max.		Destructive	1000m/s <sup>2</sup> / 100g
<b>Release time</b> (At nominal voltage)	20ms max.	<b>Humidity</b>	35% to 95% RH non-condensing	
<b>Ambient temperature</b>	-55° to +70°C (-67° to +158°F)	<b>Terminals</b>	PCB or Soldering Lugs (Plug-in)	
<b>Vibration resistance</b>	10 to 55Hz 1.0mm (0.04")	<b>Weight</b>	~37g (~1.30oz)	
<b>Construction</b>	Dust cover			



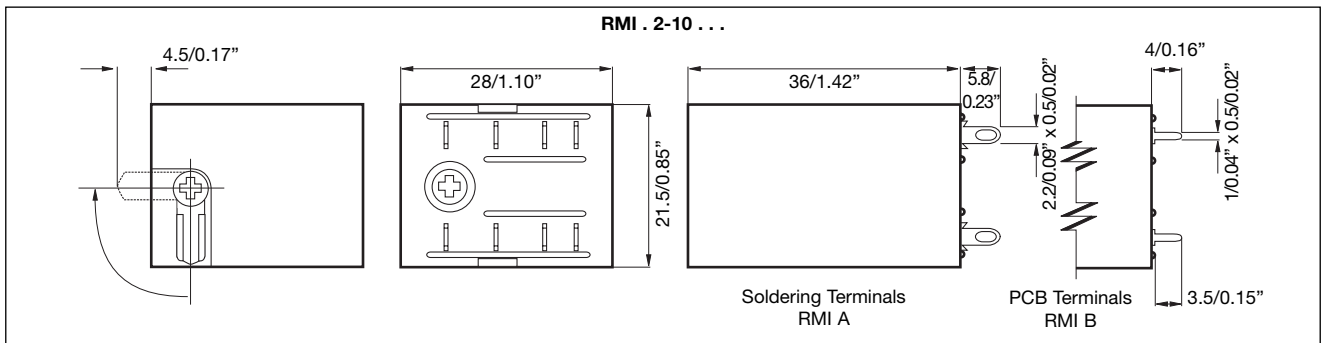
### Pin View mm/inches



### Wiring Diagram

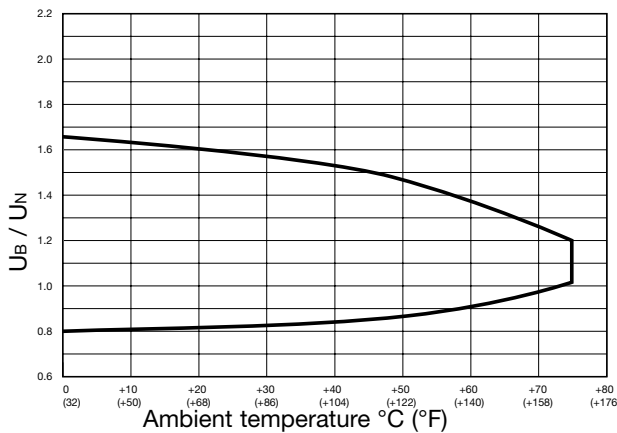


### Dimensions mm/inches

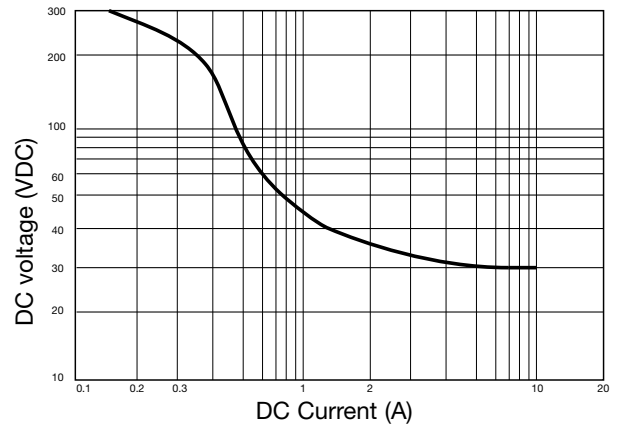


### Diagrams

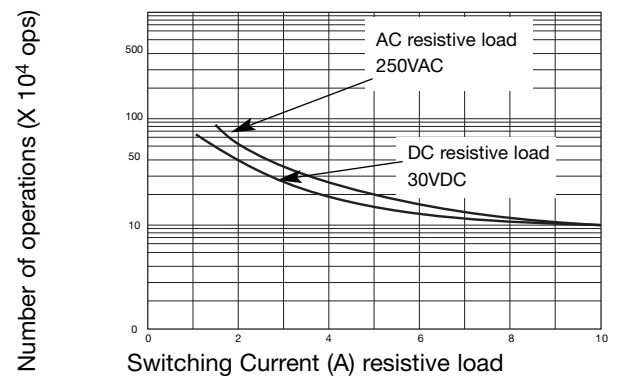
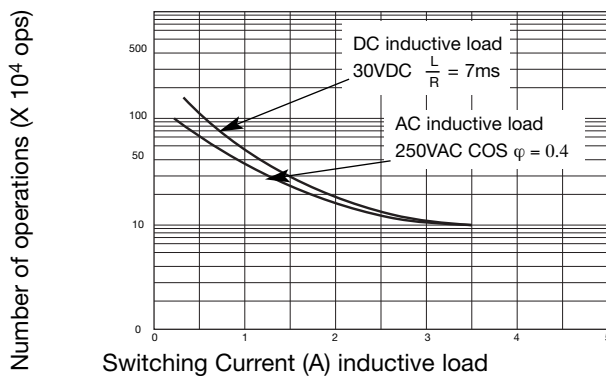
#### 1 Coil Operating Range



#### 2 Max. DC load breaking capacity



#### 3 Electrical life



### Bases and Sockets

DIN rail sockets codes are **ZMI2NA, ZMI4NA, ZMI2SA, ZMI4SA, ZMI2GA, ZMI4GA, ZR08** and **ZDM14A** details and specifications from page 45 to 49 of industrial relays catalogue.

PCB sockets codes are **ZC15/2A, ZC15/4A, ZC15/2** and **ZC15/4** details and specifications on page 51 of industrial relays catalogue.

Specifications are subject to change without notice. Pictures are just an example. For special features and/or customization, please ask to our sales network