

Industrial Relay Type RCP Monostable

CARLO GAVAZZI



- 8 or 11-pin socket mounting
- Exceptionally reliable general purpose relay
- Long life (minimum 100.000 electrical operations)
- Switching capacity 10 A
- AC coils 6 to 230 VAC
- DC coils 6 to 110 VDC
- 2 or 3 change over contacts
- Industry standard octal/undecal type termination
- Matched sockets available
- Standard with LED, Push with arm and Flag

Product Application

- Lift-Elevators
- Moving Stairs
- Textile machines
- Wood working machines
- Plastic molding machines
- Ceramic working machines

Ordering Key

RCP 8 002 24 DC

Type _____
 No. of pins _____
 Contact code _____
 Rated coil voltage _____
 DC / AC _____

Type Selection

Contact configuration	Contact rating	Contact code
2 change over contacts (DPDT {2-form C})	10 A	002
3 change over contacts (3PDT {3-form C})	10 A	003

Coil Characteristics, DC (20°C)

Nominal voltage VDC	Pick-up voltage VDC	Drop-out voltage VDC	Max. allowable voltage VDC	Coil resistance tolerance $\Omega \pm 10\%$
6	4.8	0.6	7.2	23.5
12	9.6	1.2	14.4	95.0
24	19.2	2.4	28.8	430.0
48	38.4	4.8	57.6	1630.0
100	80.0	10.0	120.0	6800.0
110	88.0	11.0	132.0	7300.0

Coil Characteristics, AC (20°C)

Nominal voltage VAC	Pick-up voltage VAC	Drop-out voltage VAC	Max. allowable voltage VAC	Coil resistance tolerance $\Omega \pm 10\%$
6	4.8	1.8	7.2	3.9
12	9.6	3.6	14.4	16.3
24	19.2	7.2	28.8	70.0
48	38.4	14.4	57.6	315.0
115/120	88.0	36.0	132.0	1600.0
230	176.0	72.0	264.0	6800.0

Contact Characteristics

Arrangement	002/003	UL rating
Contact rating (with resistive load)	10 A 30 VDC 250 VAC	10 A 30 VDC 250 VAC 1/3 HP at 240 VAC
Material	Silver alloy	
Initial contact resistance Max. (at 1 A 6 VDC)	50 m Ω	
Current Max. switching current	10 A	

Arrangement	002 / 003
Voltage Max. switching voltage Max. switching power	120 VDC - 250 VAC 280 W - 2500 VA
Life Electrical life Mechanical life	1x10 ⁵ ops 1x10 ⁷ ops

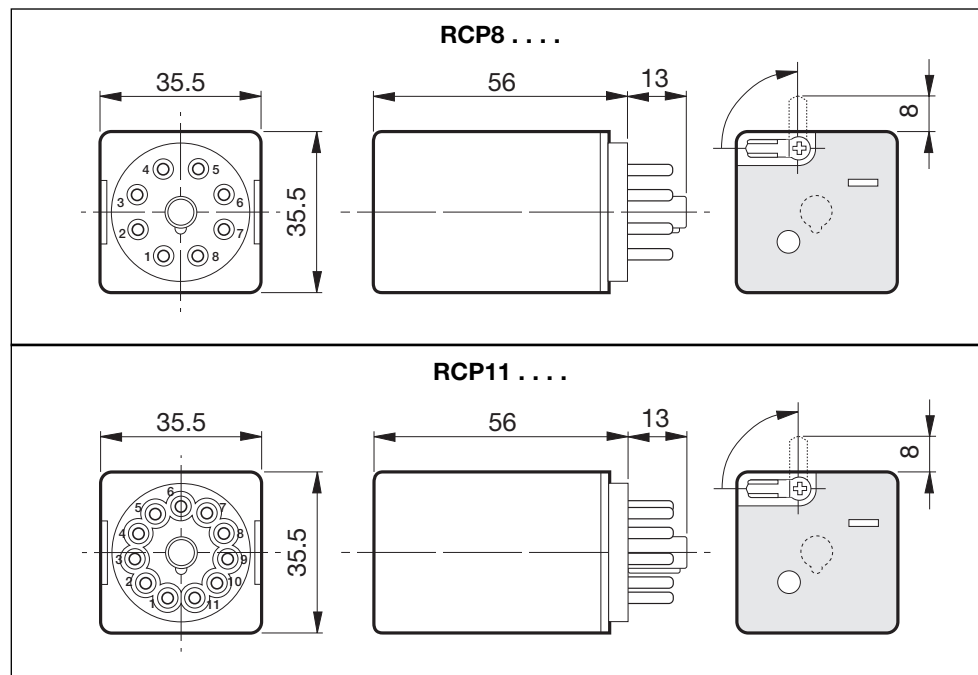
Insulation

Test Voltage (1 min.) Between open contacts Between coil and contacts	1000 Vr.m.s 1500 Vr.m.s	Initial insulation resistance	500 MΩ - 500 VDC
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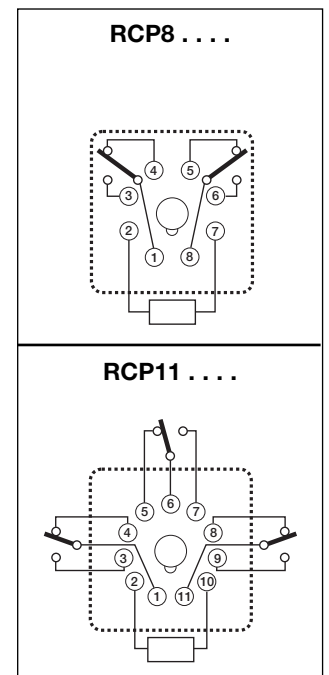
General Data

Nominal coil power	1.5 W / 2.5 VA	Vibration resistance	10 to 55 Hz 1.5 mm
Operating time (At nominal voltage)	30 ms	Shock resistance Functional	100 m/s²
Release time (At nominal voltage)	20 ms	Destructive	500 m/s²
Temperature rise (At nominal voltage)	50 °C	Humidity	98%, +40°C
Ambient temperature	-40° C to +55° C	Termination	Octal/Undecal-type plug
		Construction	Dust cover
		Weight	~ 85 g

Dimensions

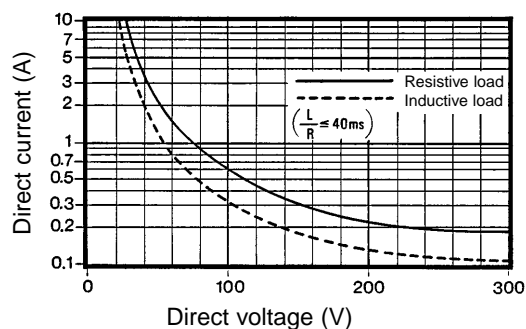


Wiring Diagrams

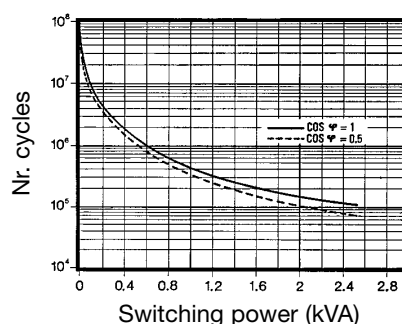


Diagrams

1 Max. switching power in DC



2 Expected electrical life at 250 VAC



Approvals



The approvals stated are not generally applicable to all the relay versions.

For further information please apply for relevant data sheets ref. **3.84.00.10.x**