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Midi Industrial Relay
Type RMI. 4-5 5A
Monostable



RMI. 4-5 5A

- **High switching power**
- **Small size**
- **Wide range of application**
- **5 A switching capacity**
- **4 poles configuration**
- **AC coils 6 to 230 VAC**
- **DC coils 5 to 110 VDC**
- **1.5 KV dielectric coil to contacts**
- **Au-clad contact available**
- **Conform to the CE low voltage directive**
- **UL, VDE, CSA approved**
- **Standard with LED, Push with arm and Flag**

Product Application

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

Ordering Key

RMI A 4-5 012 DC

Type
Terminal version
Contact code
Rated coil voltage
DC / AC

Terminal version: A = Soldering terminals
B = PCB terminals

Type Selection

Contact configuration		Contact rating	Contact code
4 change over contacts	(4PDT {4-form C})	5 A	**4-5**

Coil Characteristics, DC (20°C)

Nominal voltage VDC	Pick-up voltage VDC	Drop-out voltage VDC	Coil resistance Ω
5	4.0	0.5	27.5 ±10%
6	4.8	0.6	40.0 ±10%
12	9.6	1.2	160.0 ±10%
24	19.2	2.4	650.0 ±10%
48	38.4	4.8	2600.0 ±15%
110	88.0	11.0	11000.0 ±15%

Coil Characteristics, AC (20°C)

Nominal voltage VAC	Pick-up voltage VAC	Drop-out voltage VAC	Coil resistance Ω
6	4.8	1.8	11.5 ±10%
12	9.6	3.6	46.0 ±10%
24	19.2	7.2	184.0 ±10%
48	38.4	14.4	735.0 ±10%
115/120	96.0	36.0	4550.0 ±15%
230	176.0	66.0	14400.0 ±15%

Contact Characteristics

Contact rating (with resistive load)	**5 A - 250 VAC**
Usually rating	**5 A - 250 VAC / 30 VDC** **1 x 10^5 ops**
Max. rating	**6 A - 250 VAC / 30 VDC** **5 x 10^4 ops**
Material	**Silver alloy**
Initial contact resistance	**50 mΩ (at 1 A 6 VDC)**

Current	
Max. switching current	**5 A**
Voltage	
Max. switching voltage	**250 VAC / 30 VDC**
Max. switching power	**150 W - 1250 VA**
Life	
Electrical life	**1x10^5 ops (1800 ops/h)**
Mechanical life	**1x10^7 ops (18000 ops/h)**

Specifications are subject to change without notice

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CARLO GAVAZZI

Insulation

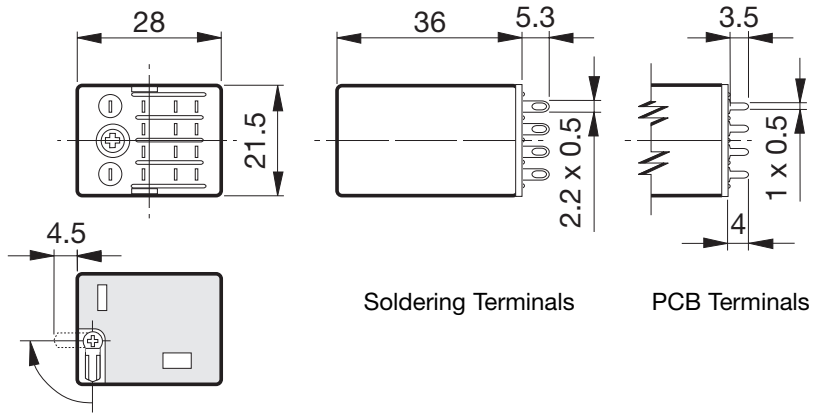
Test Voltage (1 min.)		Between contacts sets	**1500 VAC**
Between coil and contacts	**1000 VAC**	**Initial insulation resistance**	**1.000 MΩ - 500 VAC**
Between open contacts	**1000 VAC**		

General Data

Nominal coil power	**0.9 W DC / 1.2 VA AC**	**Shock resistance**	
Operating time		Funktional	**100 m/s²**
(At nominal voltage)	**25 ms**	Destructive	**1000 m/s²**
Release time		**Humidity**	**35% to 95%**
(At nominal voltage)	**25 ms**	**Termination**	**PCB and AMP**
Ambient temperature	**-55° C to +70° C**	**Construction**	**Dust cover**
Vibration resistance	**10 to 55 Hz 1.5 mm**	**Weight**	**~ 37 g**

Dimensions

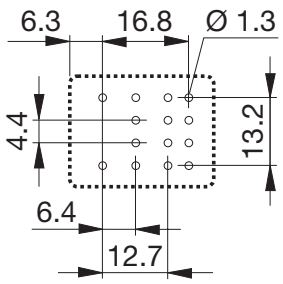
RMI . 4-5 . . .



Soldering Terminals PCB Terminals

Pin View

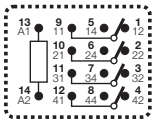
RMI . 4-5 . . .



Only for PCB terminals

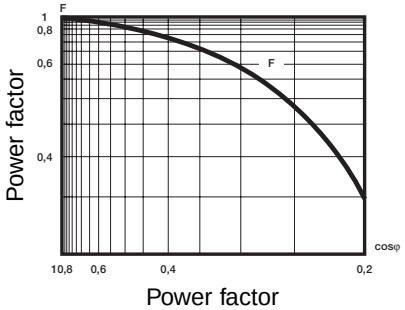
Wiring Diagram

RMI . 4-5 . . .



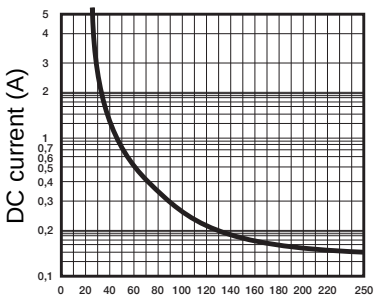
Diagrams

1 Electrical life reduction factor at AC inductive load



Power factor

2 Maximum DC resistive load breaking capacity



DC voltage (V)

Approvals

U.S.A. CANADA GERMANY ITALY

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**

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