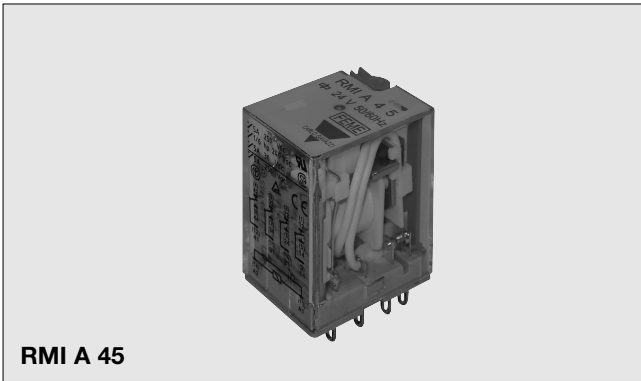


Midi Industrial Relay Type RMI. 4-5 5A Monostable



- 6A Max. switching current
- High switching power
- Small size
- 4 poles configuration
- AC coils 12 to 230VAC
- DC coils 12 to 110VDC
- 2000VAC dielectric coil to contacts
- Standard with LED, Push with arm and Flag
- IP 40
- Conform to EN 61810-1:2008
- UL, CSA, IMQ, RINA approved

Product Description

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

Available in 4 change-over contact configuration. PCB, solder and plug-in terminals.

Ordering Key

RMI A 45 12VDC /1

Type _____
 Terminal version _____
 Contact code _____
 Coil code _____
 Options _____

Terminal version: A = Soldering terminals
 B = PCB terminals

Box content: 20 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

Approvals



Type Selection

Contact configuration	Contact rating	Contact code
4 change over contacts (4PDT {4-form C})	5A	45

Coil Characteristics, DC Coil Power Approx. 0.9 to 1.1W

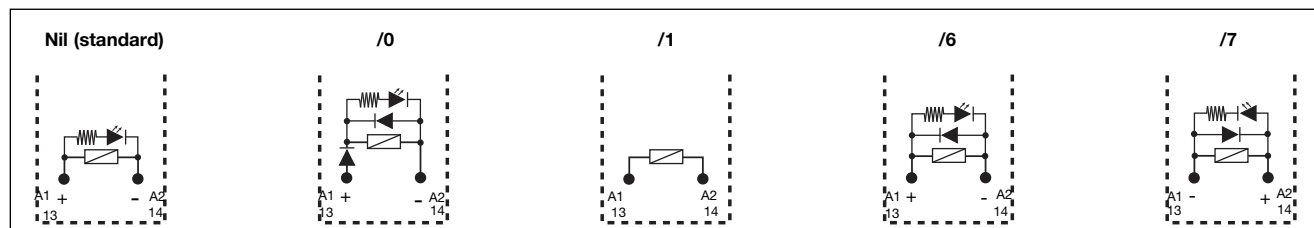
Coil Code	Nominal voltage VDC	@ +23°C (+63°F)		Coil resistance Ω
		Pick-up voltage VDC	Drop-out voltage VDC	
12VDC	12	9.6	1.2	160.0 ±10%
24VDC	24	19.2	2.4	650.0 ±10%
48VDC	48	38.4	4.8	2600.0 ±15%
60VDC	60	48.0	6.0	11000.0 ±15%
110VDC	110	88.0	12.0	11000.0 ±15%

Coil Characteristics, AC Coil Power Approx. 1.2 to 1.8VA

Coil Code	Nominal voltage VAC	@ +23°C (+63°F)		Coil resistance Ω
		Pick-up voltage VAC	Drop-out voltage VAC	
12VAC	12	9.6	3.6	46.0 ±10%
24VAC	24	19.2	7.2	184.0 ±10%
48VAC	48	38.4	14.4	735.0 ±10%
115/120VAC	110-120	88.0	36.0	4550.0 ±15%
230VAC	220-240	176.0	72.0	18790.0 ±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

Contact rating (with resistive load)	5A - 250VAC	Type of interruptor	Micro-interruptor
UL rating	5A - 250VAC/30VDC 1/6HP @ 240VAC	Max contact resistance	100mΩ (@ 1A 6VDC)
Usually rating	5A - 250VAC / 30VDC	Max. switch. voltage	250VAC / 30VDC
Max. rating	6A - 250VAC / 30VDC	Max. switch. power	1500VA / 180W
Number of cycles	10000 Ⓜ	Life	1x10 ⁵ (6A 250VAC/30VDC)
Material	AgNi	Resistive load, Room temperature, 1s ON 9s OFF	

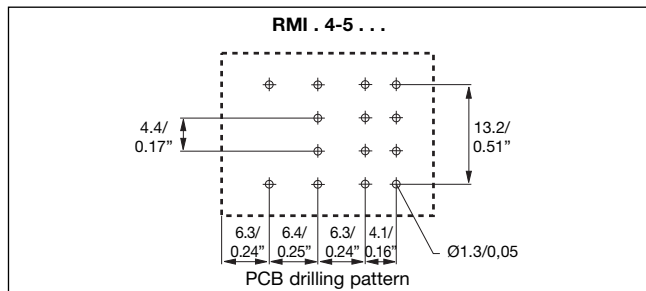
Insulation

Test Voltage (1 min.)		Insulation	
Between coil and contacts	2000VAC	Rated insulation voltage	250V
Between open contacts	1000VAC	Impulsive insulation voltage	2.5kV Ⓜ
Contact/Contact	2000VAC	Pollution degree	2
Initial insulation resistance	1.000MΩΩ - 500VAC	Overvoltage category	II

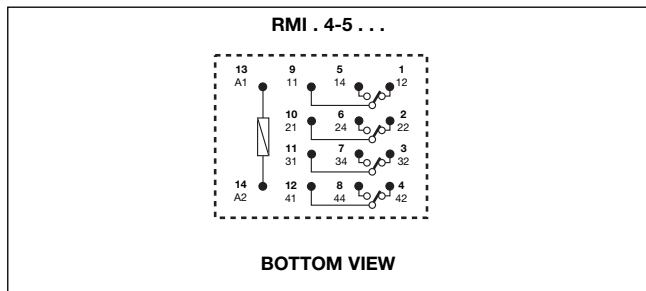
General Data

Nominal coil power	0.9W DC / 1.2VA AC	Shock resistance	
Operating time (At nominal voltage)	20ms max. (DC type)	Funktional	98m/s ²
Release time (At nominal voltage)	20ms max. (DC type)	Destructive	980m/s ²
Ambient temperature	-40° to +55°C (-40° to +131°F)	Humidity	5% to 85%
Vibration resistance	10 to 55Hz 1.5mm (0.06")	Terminals	PCB, Plug-in
Construction	Dust cover	Weight	~37g (~1.30oz)
		Categories of envirom. prot.	RT I
		Mounting distance	5mm

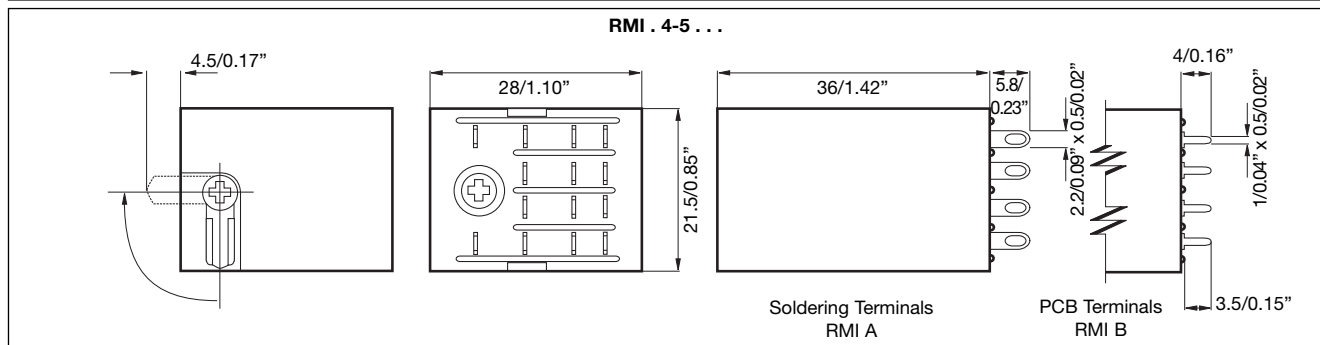
Pin View mm/inches



Wiring Diagram

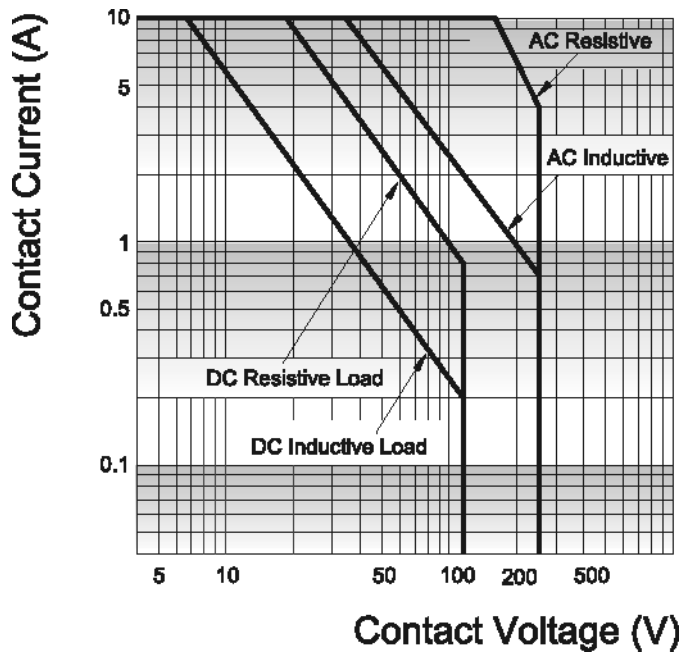


Dimensions mm/inches



Diagrams

MAXIMUM SWITCHING POWER



Bases and Sockets

DIN rail sockets codes are **ZMI4NA**, **ZMI4SA**, **ZMI4GA**, and **ZDM14A** details and specifications from page 41 to 44 of industrial relays catalogue.
 PCB sockets codes are **ZC15/4A** and **ZC15/4** details and specifications on page 46 of industrial relays catalogue.