



### Features

- 10 Amp 250VAC switching capability
- 1 Form A and 1 Form C configurations
- Plastic sealed and flux proofed types available
- Environmental friendly product (RoHS compliant)

### Typical Applications

Home Appliances, Security System, Garage Remote Control, Emergency-lighting Set

### CHARACTERISTICS

Contact Arrangement	1C, 1A,	Coil power	0.36W
Contact voltage drop	Max.100mV (at 1A 6VDC)	Coil Voltage	3, 5, 6, 9, 12, 24, 48VDC
Initial contact resistance	Max.100mΩ (4 VDC)	Operate time	Max. : 10ms
Electrical life	$1 \times 10^5$ ops	Release time	Max. : 5ms
Mechanical life	$1 \times 10^7$ ops	Ambient temp.	-40°C ~ +85°C
Max. Switching Current	15A	Vibration Resistance	1.5mm, 10Hz to 55Hz
Max. Switching Voltage	AC:277V DC:30V	Shock resistance	Functional 10G
Max. Switching Power	2500VA		Destructive 100G
Insulation resistance	1000MΩ, 500VDC	Termination	PCB
Dielectric Strength	550VAC 0min	Weight	Approx. 9.5g

### COIL DATA

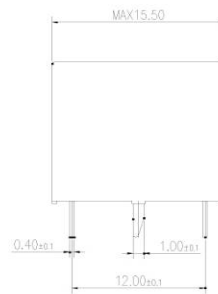
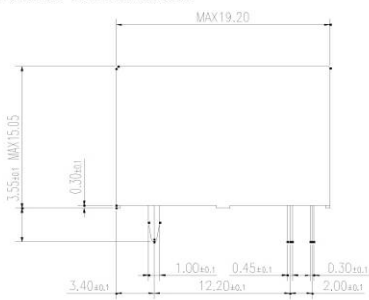
Coil voltage	Nominal Voltage VDC	Nominal Current mA	Coil Resistance $\Omega \pm 10\%$	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Power W	Max. Allowable Overdrive VDC
003	3	120	25	2.1	0.3	0.36	130% Nominal Voltage
005	5	71.4	70	3.5	0.5		
006	6	60.0	100	4.2	0.6		
009	9	40.0	225	6.3	0.9		
012	12	30.0	400	8.4	1.2		
024	24	15.0	1600	16.8	2.4		
048	48	7.5	6400	33.6	4.8		

## ORDERING INFORMATION

	<b>3F/</b>	012-	<b>1H</b>	S	<b>G</b>	XXX
Relay Type						
Coil voltage	003, 005, 006, 009 012, 024, 048					
Contact arrangement	1H: 1 Form A 1Z: 1 Form C					
Construction	S:Plastic sealed					
Contact Material	G:AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>					
Customer special request code:						

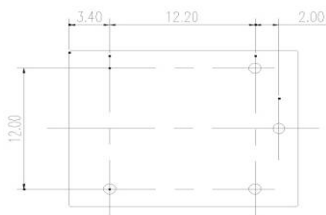
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

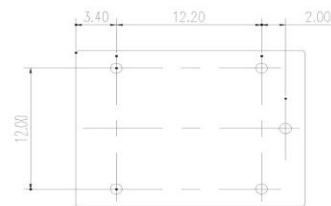


PC BOARD LAYOUT

Form A

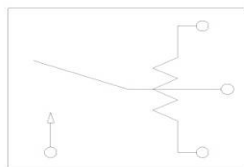


Form C



Wiring Diagram

Form A



Form C

