

**HANDOUK**

Power Relay : HM31, HM32

HM31, HM32

► FEATURES

- 20A Switching capabilities
- 4.5K V dielectric between coil to contacts
- Heavy Load up to 5,000V
- HM32 : 1.5mm Contact gap

► CONTACT DATA



Contact Form		1A (SPST)	
Contact Material		AgSnO2, AgCdO	
Contact Ratings		HM31	HM32
		20A 250VAC MOTOR Inrush 80A 250VAC Brake 20A 250VAC	26A 250VAC 31A 277VAC (cos phi=0.8) 0.1s : 10s Contact gap:1.5mm
Max. Switching Voltage		250VAC	277VAC
Max. Switching Current		25A	31A
Max. Switching Power		6,250VA	7,750VA
Contact Resistance		100mΩ At 6VDC 1A	
Life Expectancy	Electrical	100,000 Operations	30,000 Operations
	Mechanical	20,000,000 Operations	1,000,000 Operations

► GENERAL DATA

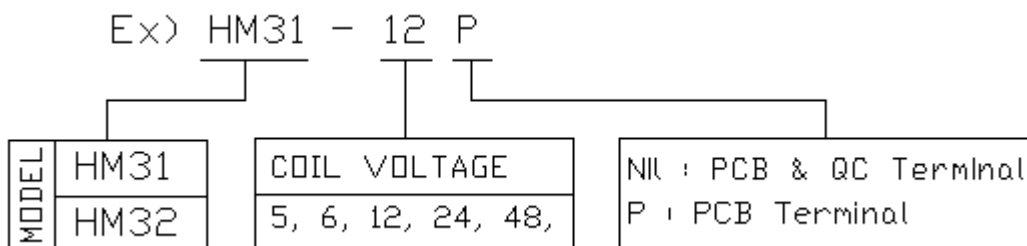
Insulation Resistance		1000MΩ Min at 500VDC	
Dielectric Strength Between	Open Contacts	HM31 : 1,000VAC/	HM32 : 2,500VAC
	Coil and Contacts	4,500VAC(for one Minute)	
Operating time		20ms	
Release time		10ms	
Temperature Range		-40℃ to +85℃	
Shock Resistance		20G 11ms	
Vibration Resistance		10-55Hz, 1.5mm	
Humidity		40-85%	
Weight		Approx 23g	Approx 21g

► COIL PARAMETER

Nominal Voltage (VDC)	Coil Resistance at 20 C (Ω) (0.9W)	Max Operate Voltage	Min. Release Voltage	Max. Applicable Voltage
HM31-5	27.8	3.5	0.5	6
HM31-12	160	8.4	1.2	14.4
HM31-24	640	16.8	2.4	28.8
HM31-48	2,560	33.6	4.8	57.6

Nominal Voltage (VDC)	Coil Resistance at 20 C (Ω) (1.4W)	Max Operate Voltage	Min. Release Voltage	Max. Applicable Voltage
HM32-5	17.8	3.5	0.5	6
HM32-9	58	6.3	0.9	10.8
HM32-12	103	8.4	1.2	14.4
HM32-18	230	12.6	1.8	21.6
HM32-24	410	16.8	2.4	28.8

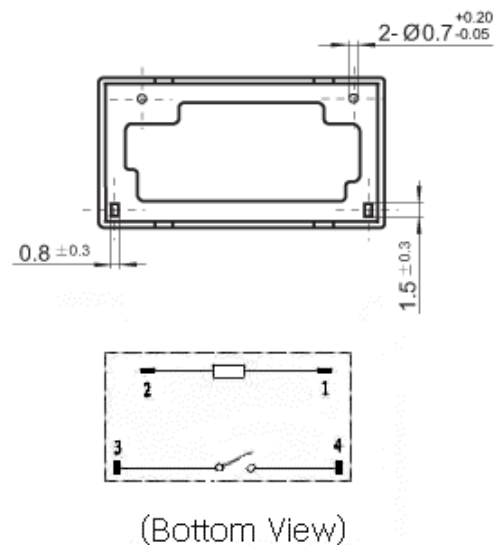
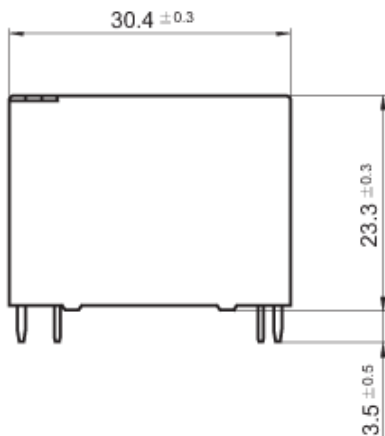
► ORDERING INFORMATION

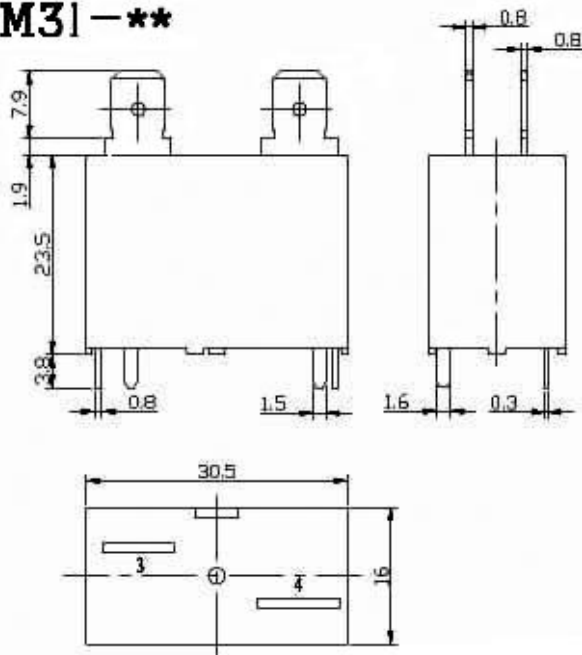
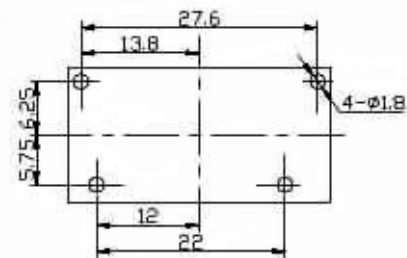
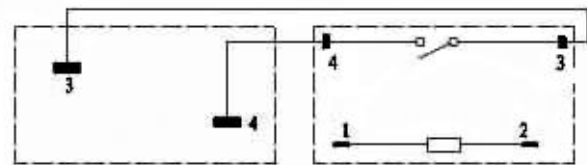


► DIMENSION (Unit:mm)

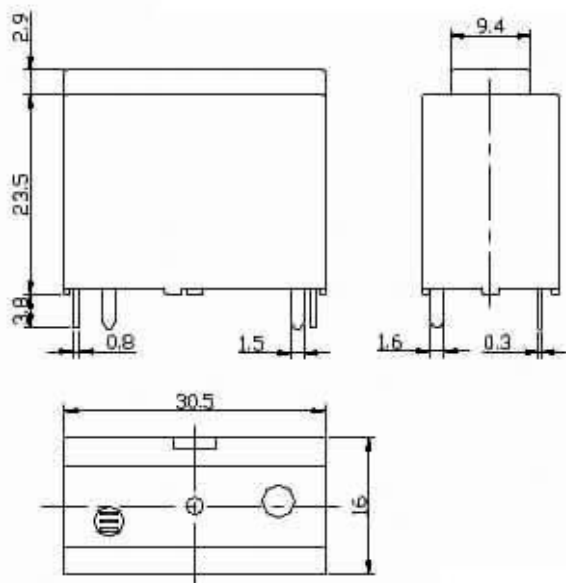
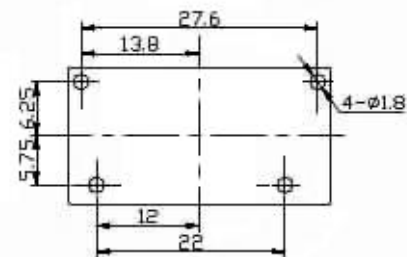
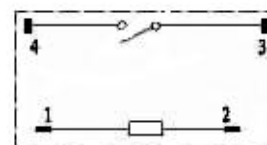
HM32-**

Outline Dimensions



HM31-****(Bottom terminals)****(Terminal arrangement)**

(Bottom View)

HM31-P****(Bottom terminals)****(Terminal arrangement)**

(Bottom View)