

### **FEATURES**

- 20A switching capacity
- Withstand inrush current of 60A
- 10KV surge voltage between coil and contacts
- 8 mm creepage distance

#### TYPICAL APPLICATIONS

- Air conditioners
- · Heaters and refrigeration control
- Microwave oven

## **CONTACT RATING**

Form	1 Form A (H)		
Resistive	20A, 250VAC		

#### **UL/CSA RATING**

Form	1 Form A (H)
Resistive	20A, 220VAC

## CONTACT DATA

Material		AgCdO		
Initial Contact Resistance		50 m $\Omega$ max. at 1A, 6VDC		
Max. Switching Current		20A		
Max. Switching Voltage		250VAC		
Max. Switching Power		5000VA		
Service Life	Mechanical	5 x 10 <sup>6</sup> ops.		
	Electrical	10 <sup>5</sup> ops.		

### COIL DATA

Coil Voltage Code  Nominal Voltage (VDC)	Resistance ( $\Omega$ ) ±10%		Must Operate Voltage max.	Must Release Voltage min.	Max. Allowable Voltage	
		Power Consumption		(VDC)	(VDC)	(VDC)
005	5	27.8		3.5	0.5	5.5
006	6	40		4.2	0.6	6.5
012	12	160	0.9W	8.4	1.2	13.2
024	24	640		16.8	2.4	26.4
048	48	2560	Ì	33.6	4.8	52.8

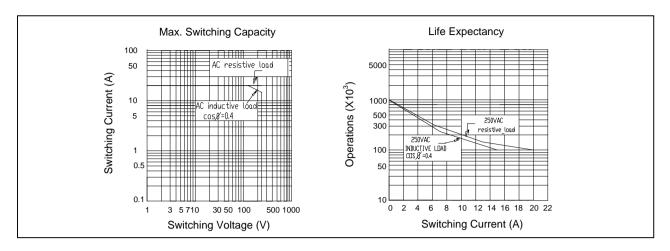
## CHARACTERISTICS

Operate Time	15 ms. max.	
Release Time	10 ms. max.	
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH	
Dielectric Strength	2000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts	
Surge Voltage	10,000 V, between coil and contacts	
Shock Resistance	20 g, 11ms. functional; 100g, destructive	
Vibration Resistance	DA 1.5mm, 10 - 55 Hz	
Ambient Temperature	-40°C to 55°C	
Weight	42g, approx.	

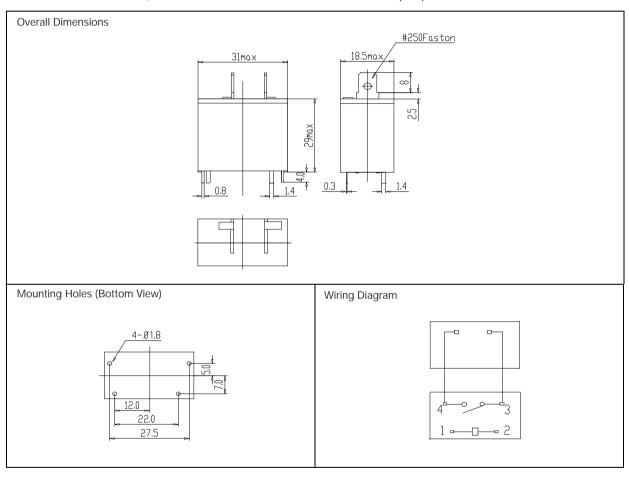
# ORDERING DESIGNATION

	Example:	HG4510 /	012 -	Н	1	С
Model						
Coil Voltage Code			•			
Contact Form H: 1 Form A				<u>-</u>		
Version 1: Sealed					•	
Contact Material C: AgCdO						_

#### REFERENCE CURVE



# OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)



### **NOTES**

- 1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
- 2. Custom-made services available with operational quantity. Please let us know your special requirements.
- 3. Specifications subject to change without prior notice.