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 mΩ max. at 1A, 6VDC		
Max. Switching Current		20A		
Max. Switching Voltage		250VAC		
Max. Switching Power		5000VA		
Service Life	Mechanical	5 x 10 ⁶ ops.		
Service Life	Electrical	10 ⁵ ops.		

COIL DATA

Coil Voltage	Coil Voltage Nominal Voltage	Resistance (Ω) ±10%		Must Operate Voltage max.	Must Release Voltage min.	Max. Allowable Voltage	
Code	(VDC)	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		33.6	4.8	52.8	

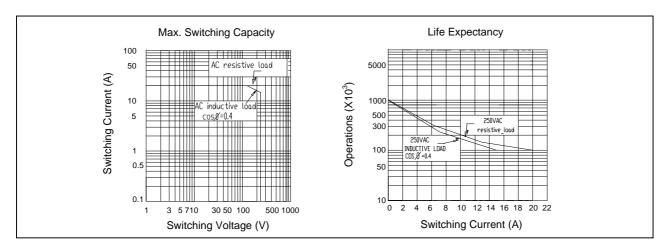
CHARACTERISTICS

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.		

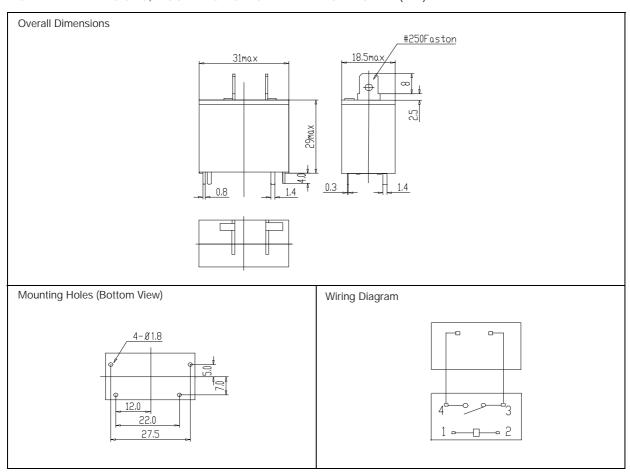
ORDERING DESIGNATION

	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.