

FEATURES

- 16A switching capacity
- 5KV dielectric between coil to contacts
- 10KV surge voltage between coil to contacts
- 8 mm creepage distance

TYPICAL APPLICATIONS

- Air conditioners
- Heaters and refrigeration control
- Microwave oven

CONTACT RATING

Form	1 Form A (H)
Resistive	16A, 250VAC/30VDC

UL/CSA RATING

Form	1 Form A (H)
Resistive	16A, 250VAC/30VDC

CONTACT DATA

Material	AgSnO	
Initial Contact Resistance	50 mΩ max. at 1A, 6VDC	
Max. Switching Current	16A	
Max. Switching Voltage	277VAC/30VDC	
Max. Switching Power	4000VA/480W	
Service Life	Mechanical	1 x 10 <sup>6</sup> ops.
	Electrical	10 <sup>5</sup> ops.

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%		Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)	Max. Allowable Voltage (VDC)
		Power Consumption				
005	5	7	0.54W	4.0	0.5	6.5
006	6	68		4.8	0.6	7.8
009	9	155		7.2	0.9	11.7
012	12	270		9.6	1.2	15.6
018	18	620		14.4	1.8	23.4
024	24	1100		19.2	2.4	31.2
048	48	4400		38.4	4.8	62.4

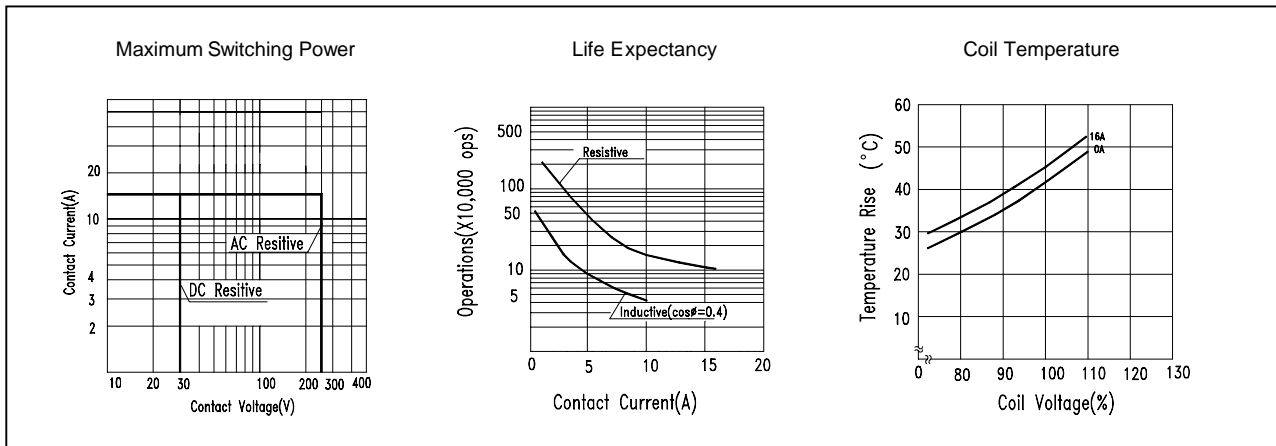
CHARACTERISTICS

Operate Time	20 ms. max.
Release Time	10 ms. max.
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	5000 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 70°C, Class B; -40°C to 85°C, Class F
Weight	13g, approx.

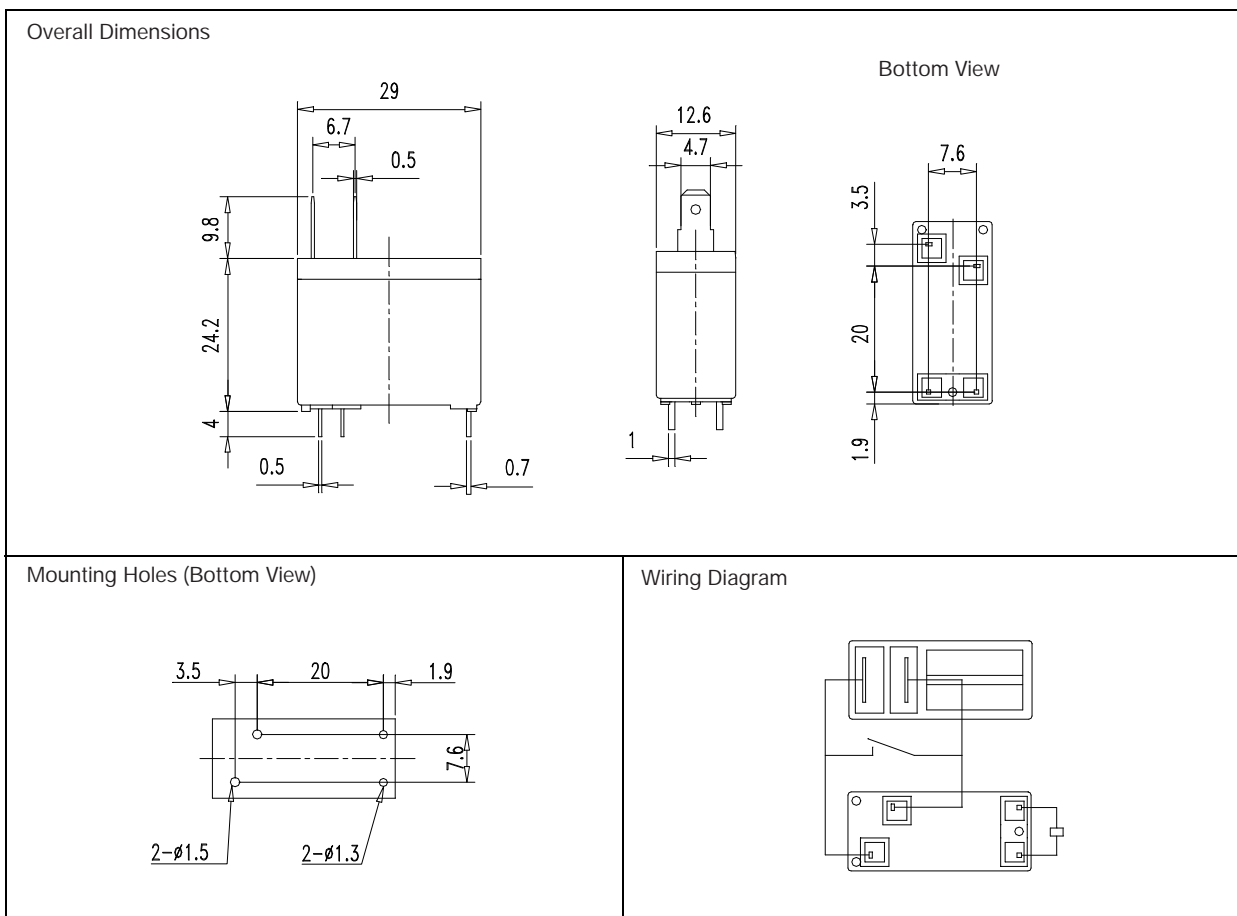
ORDERING DESIGNATION

Example:	HG4515 /	012 -	H	1	S
Model					
Coil Voltage Code					
Contact Form					
H: 1 Form A					
Version					
1: Sealed					
Contact Material					
S: AgSnO					
Thermal Class					
Nil: UL Class B; F: UL Class F					

## 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.

T Y H Enterprise Limited  
 Room 1620B, Nan Fung Centre  
 264-298 Castle Peak Road  
 Tsuen Wan, N.T.  
 Hong Kong  
 Tel: 852-2416-0132  
 Fax: 852-2413-6229  
<http://www.tyhhk.com>  
 email: info@tyhhk.com

Plant: Shanghai Hi-Gradex Relay Mfg. Co., Ltd.  
 918 Shixin Road  
 Airport Town  
 Pudong New Area  
 Shanghai 201202  
 China  
 Tel: 86-21-6299-5619 / -5877  
 Fax: 86-21-6299-5619  
 email: tyhesh@online.sh.cn