

FEATURES

- 5A contact capacity
- Slim design, 5mm in width
- 2KV dielectric between coil and contacts
- High sensitivity: 0.12-0.18W

TYPICAL APPLICATIONS

- Interface relay for programmable controllers
- Office machine, Industrial equipment
- Temperature controllers, timers, counters, etc.

CONTACT RATING

Form	1 Form A (H)
Rated Load	3A, 250VAC/30VDC
Max. Switching Current	5A
Max. Switching Voltage	250VAC/110VDC
Max. Switching Capacity	1250VA/150W

CONTACT DATA

Material	AgNi0.15; AgSnO	
Initial Contact Resistance	50 mΩ max @ 1A, 5VDC	
Service Life	Mechanical	2X10 ⁷ ops (120 ops./min)
	Electrical	10 ⁵ ops (6 ops./min)

CONTACT DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (W) ±10% Standard Power Consumption	Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
005	5	208	3.5	0.25
006	6	300	4.2	0.30
009	9	675	6.3	0.45
012	12	1200	8.4	0.60
018	18	2700	12.6	0.90
024	24	3200	16.8	1.20

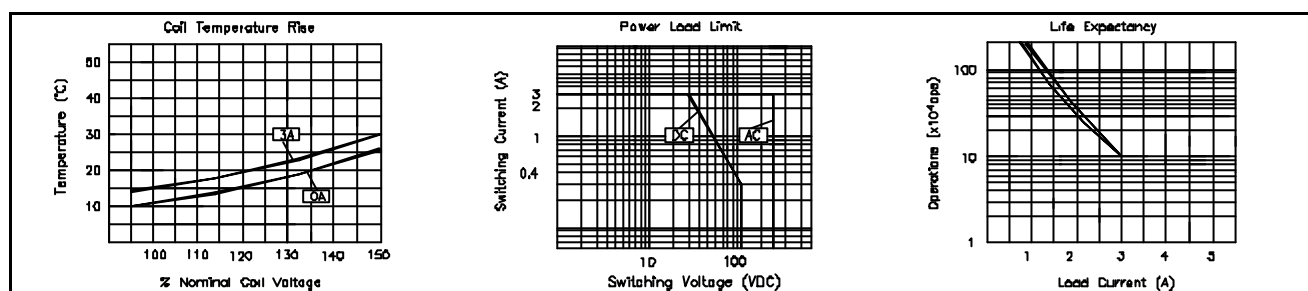
ORDERING DESIGNATION

Example:	HG4550/	012 -	H	1	S	1	F
Model							
Coil Voltage Code							
Contact Form H: 1 Form A							
Version 1: Sealed							
Contact Material A: AgNi0.15; S: AgSnO GS: AgSnO+Au clad BS: AgSnO+Au clad, bifurcated							
Footprint Version 1: Version 1(5.08) 2: Version 2(7.62)							
Thermal Class Nil: Class A; B: Class B; F: Class F							

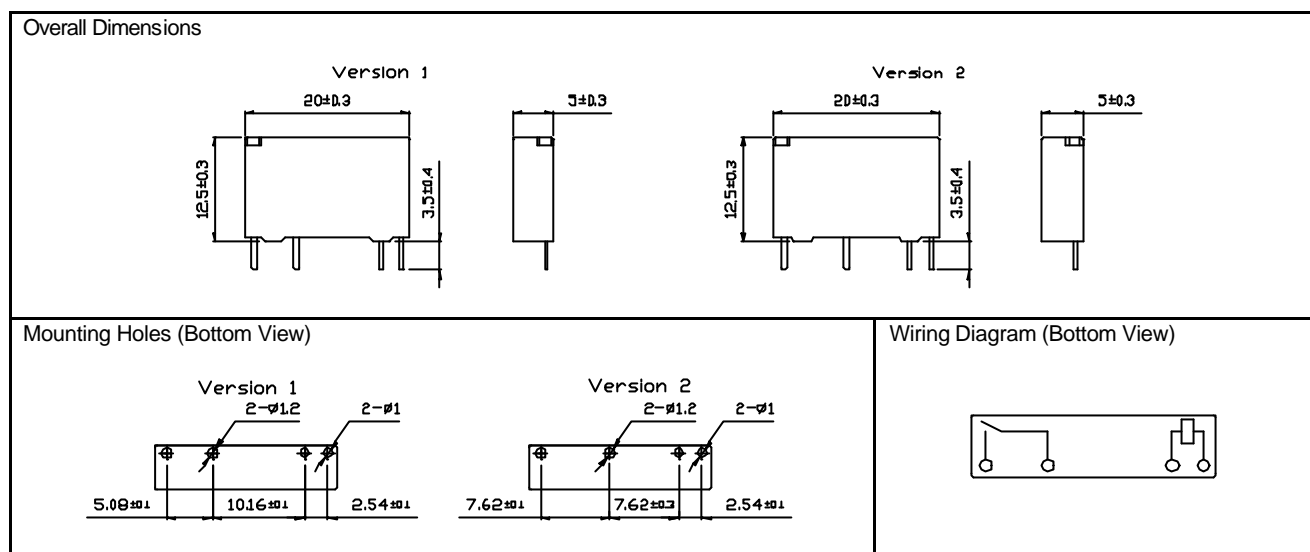
CHARACTERISTICS

Operate Time	10 ms.
Release Time	5 ms.
Insulation Resistance	1000M Ω , at 500 VDC, 50%RH
Temperature Rise	45°C at nominal voltage
Dielectric Strength	2000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Surge Resistance	4000V(12X50 μ s)
Shock Resistance	1.5 g, 11ms. functional, 10g, destructive
Vibration Resistance	SA 1.5 mm, 10 – 55 Hz
Power Consumption	0.12 – 0.18W
Ambient Temperature	-40 to 70°C
Weight	3 g, approx.

REFERENCE CURVES



OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)



NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. The operate/release voltages are tested in vertical, terminal downposition, when tested in other positions the operate/release voltages will have 5% tolerance. When in horizontal position the operate voltage is 75% nominal
3. Custom-made services available with operational quantity. Please let us know your special requirements
4. Specifications subject to change without prior notice.

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