

Subminiature PCB Power Relay

HG4233



FEATURES

- 10A continuous contact capacity
- 2 KV dielectric strength between coil and contacts
- Standard and high sensitive type for choice

TYPICAL APPLICATIONS

- Electric rice cooker
- Hi-Fi
- Home appliances
- Air conditioners

CONTACT RATING

Form	1 Form A (H), 1 Form C (Z)
Resistive	10A, 120VAC/24VDC

CONTACT DATA

Material		AgCdO
Initial Contact Resistance		100 mΩ max. at 0.1A, 6VDC
Service Life	Mechanical	10 ⁷ ops.
	Electrical	10 ⁵ ops.

UL/CSA RATING

Form	1 Form A (H), 1 Form C (Z)
Resistive	10A, 120VAC/24VDC

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%				Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Power Consumption					
		Standard		Sensitive			
003	3	20	0.45W	27	0.33W	2.25	0.3
005	5	56		80		3.75	0.5
006	6	80		110		4.50	0.6
009	9	180		250		6.75	0.9
012	12	320		440		9.00	1.2
024	24	1280		1780		18.00	2.4
048	48	3800		5220		36.00	4.8

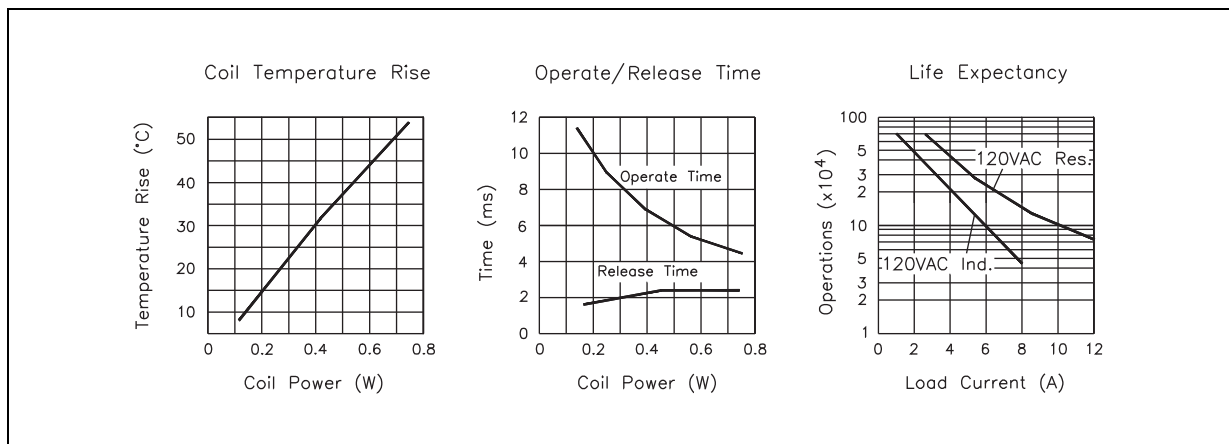
CHARACTERISTICS

Operate Time	8 ms. max.
Release Time	4 ms. max.
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	2000 Vrms, 1 min. between coil and contacts 750 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms. functional; 100g, destructive
Vibration Resistance	DA 1.5mm, 10 - 55 Hz, functional
Ambient Temperature	-30°C to 70°C
Weight	10 g, approx.

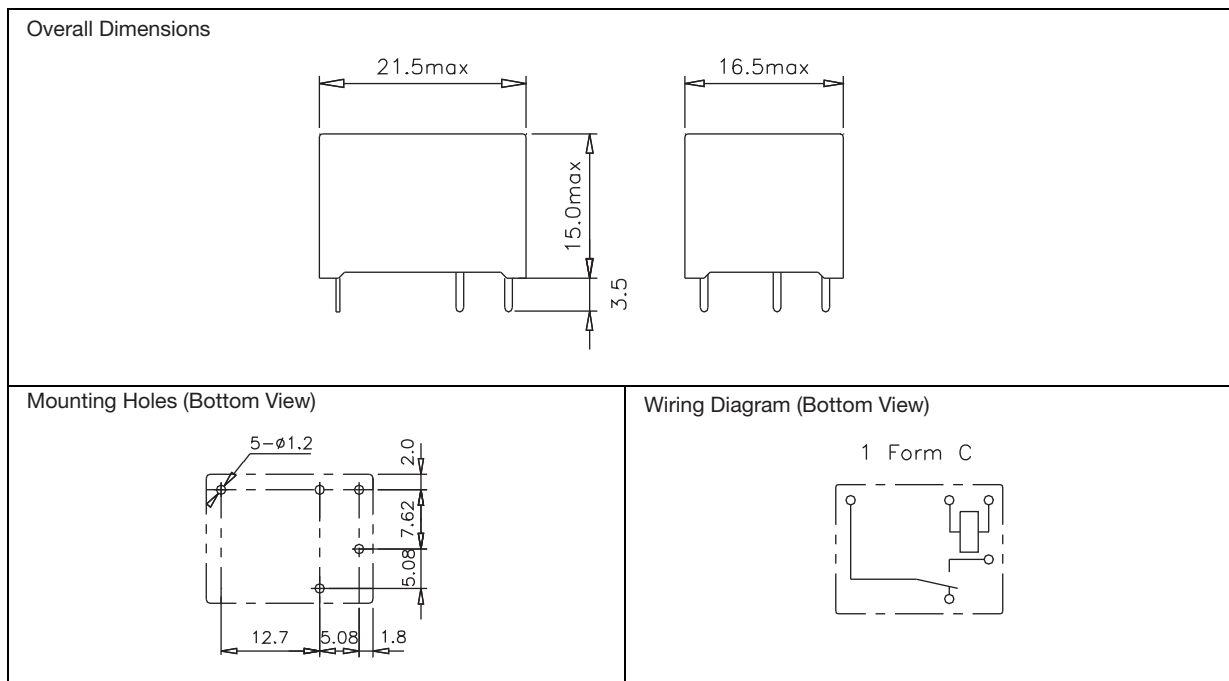
ORDERING DESIGNATION

Example:	HG4233 /	012 -	H	1	C	L
Model						
Coil Voltage Code						
Contact Form						
H: 1 Form A; Z: 1 Form C						
Version						
1: Sealed; 2: Flux Free						
Contact Material						
Nil: AgNi0.15; C: AgCdO; S: AgSnOInO						
Coil Sensitivity						
Nil: Standard 0.45W; L: Sensitive 0.33W						

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. Custom-made services available with operational quantity. Please let us know your special requirements.
3. Specifications subject to change without prior notice.

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