

Miniature PCB Power Relay

HG4239



FEATURES

- 20A continuous current capacity
- Quick connect, PCB terminal, for choice
- Ideal for motor switching applications

TYPICAL APPLICATIONS

- Air conditioners
- Heaters and refrigeration control
- Microwave oven

CONTACT RATING

Form	1 Form A (H)
Resistive	20A, 250VAC/30VDC 1HP, 250VAC

CONTACT DATA

Material	AgCdO	
Initial Contact Resistance	30 mΩ max. at 0.1A, 6VDC	
Service Life	Mechanical	5 x 10 ⁵ ops.
	Electrical	10 ⁵ ops.

UL/CSA RATING (PENDING)

Form	1 Form A (H)
Resistive	20A, 250VAC/30VDC
Motor	1HP, 250VAC

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%		Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Power Consumption			
005	5	28	0.9W	3.5	0.5
012	12	160		8.4	1.2
024	24	640		16.8	2.4

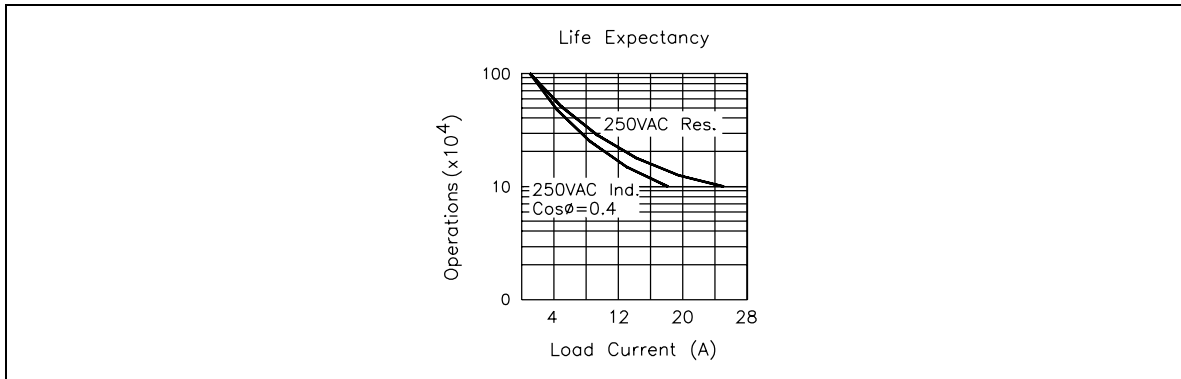
CHARACTERISTICS

Operate Time	20 ms. max.
Release Time	10 ms. max.
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	4500 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	20 g, 11ms. functional; 100g, destructive
Vibration Resistance	DA 1.5mm, 10 - 55 Hz
Ambient Temperature	-25°C to 55°C
Weight	23g, approx.

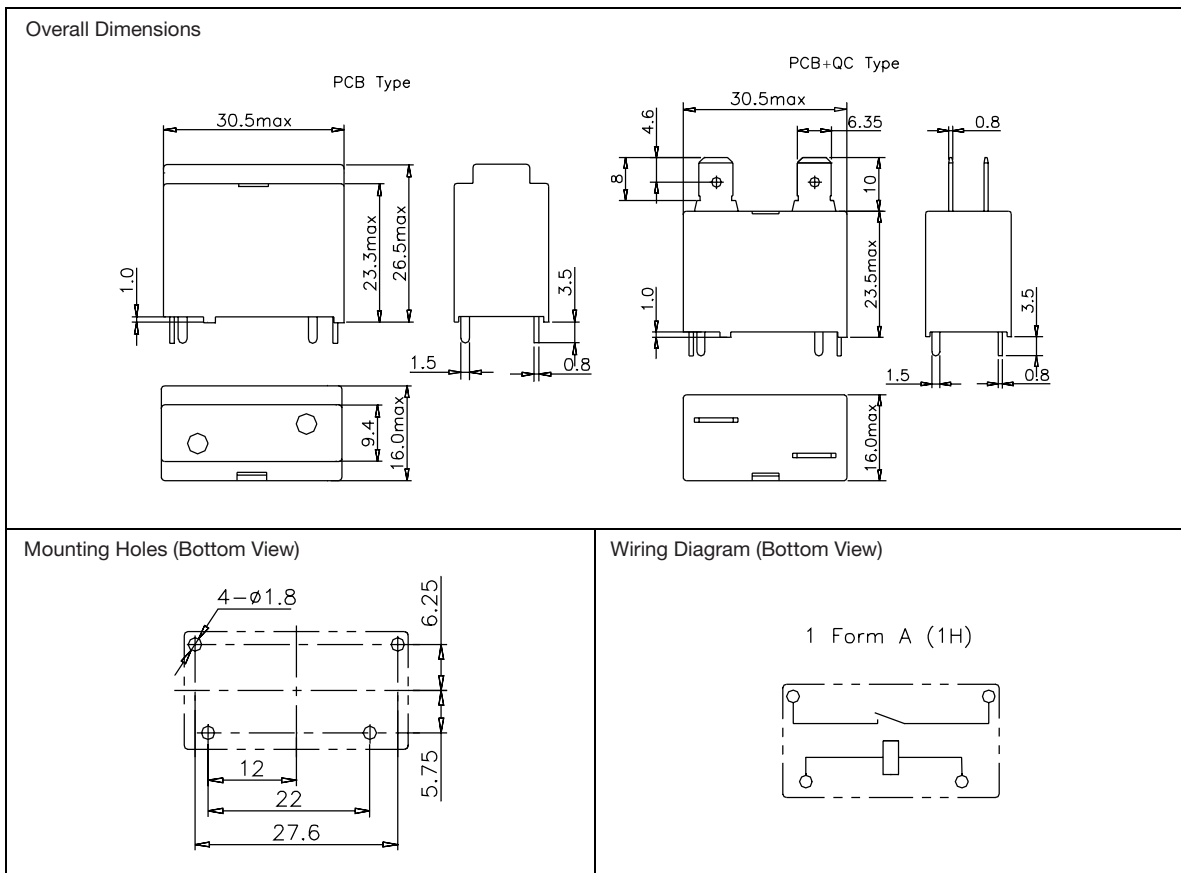
ORDERING DESIGNATION

Example:	HG4239 /	012 -	H	1	C	A
Model						
Coil Voltage Code						
Contact Form						
H: 1 Form A						
Version						
1: Sealed; 2: Flux Free						
Contact Material						
C: AgCdO; S: AgSnOInO						
Mounting Version						
A: PCB; B: Quick Connect + PCB						

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.