

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 ovens

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

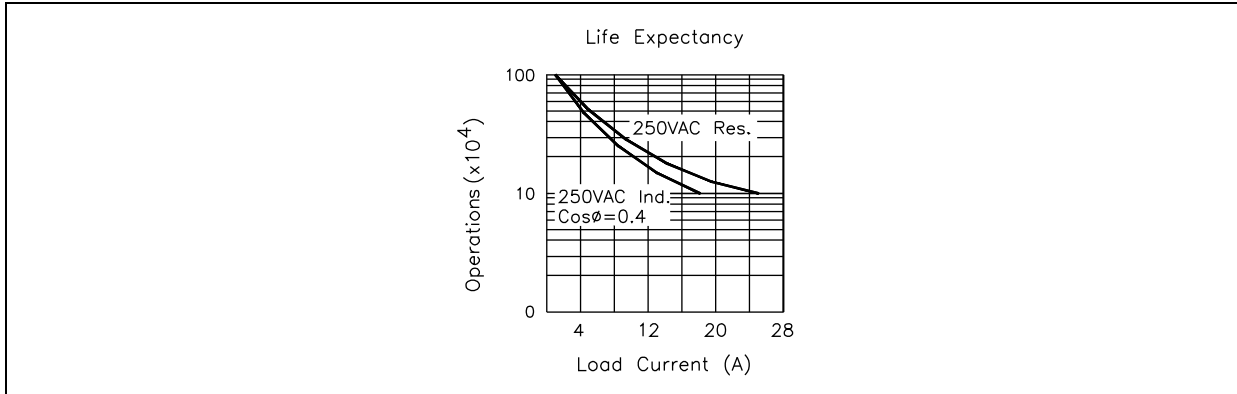
CHARACTERISTICS

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.

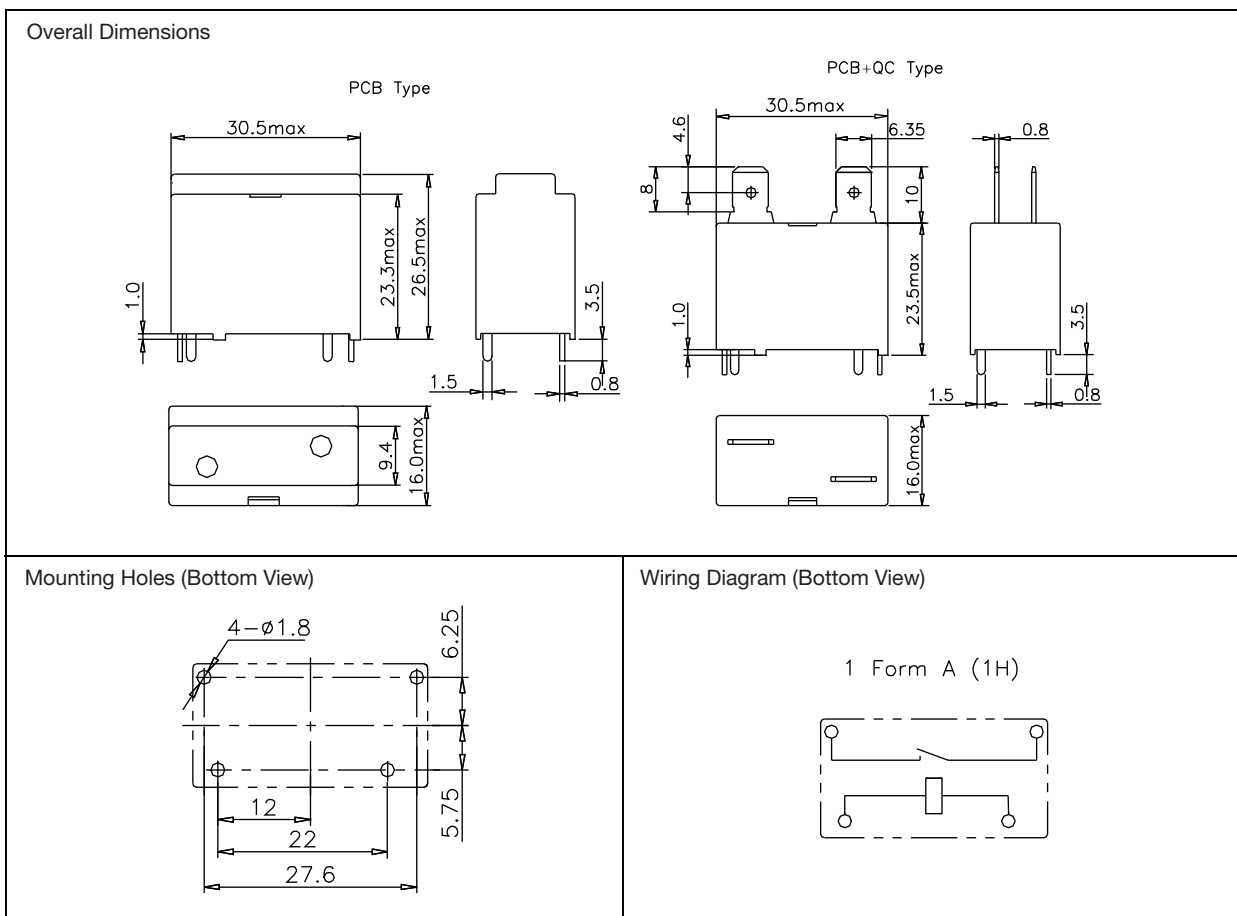
ORDERING DESIGNATION

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: AgSnInO						
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.

Willow Technologies Limited
 Shawlands Court
 Newchapel Road
 Lingfield
 Surrey RH7 6BL
 England
 Tel: +44 (0) 1342-835234
 Fax: +44 (0) 1342-834306
 email: sales@willow.co.uk