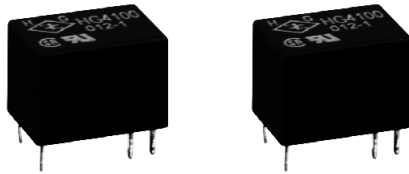


Subminiature PCB Telecom Relay

HG4100



FEATURES

- Small size, light weight
- DIL pitch PCB mounting
- 3 coil sensitivity types for choice
- High performance/cost ratio

TYPICAL APPLICATIONS

- Computer peripherals
- Data exchange systems
- Home appliances
- Acoustic control toys

CONTACT RATING

Form	1 Form C (Z)
Resistive	1A, 120VAC/24VDC 5A, 120VAC/24VDC (S)
Max. Switching Current	2A 5A (S)
Min. Load	1 mA, 1 VDC

CONTACT DATA

Material		Ag, Au plated Ag
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 C (Z)
Resistive	1A, 120VAC/24VDC 5A, 120VAC/24VDC (Pending)

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%						Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Power Consumption							
		Sensitivity B		Standard		Sensitivity H			
003	3	20	0.45W	25	0.36W	45	0.2W	2.25	0.3
005	5	56		70		120		3.75	0.5
006	6	80		100		180		4.50	0.6
009	9	180		220		440		6.75	0.9
012	12	320		400		700		9.00	1.2
024	24	1280		1600		2800		18.00	2.4

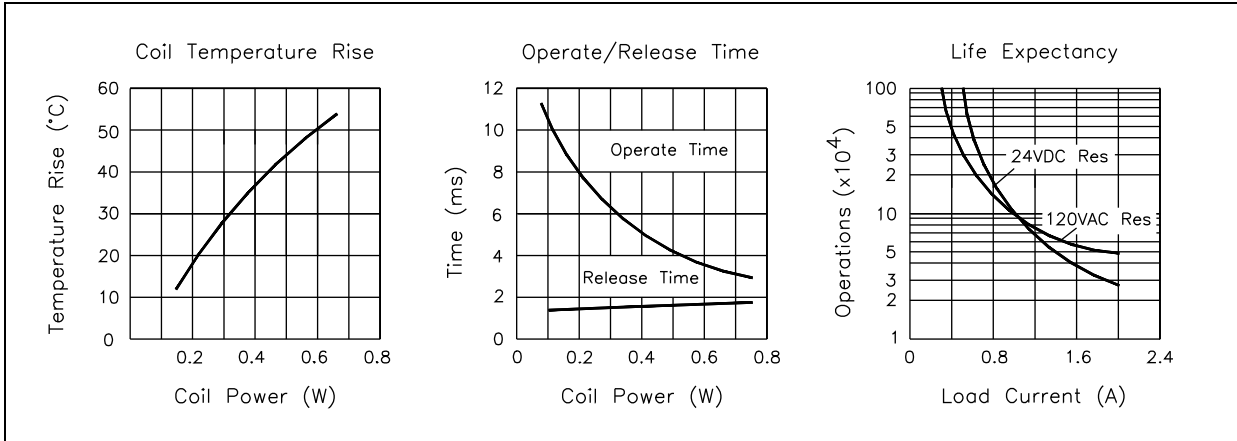
CHARACTERISTICS

Operate Time	5 ms. max.
Release Time	5 ms. max.
Insulation Resistance	100 MΩ, at 500 VDC, 50%RH
Dielectric Strength	1250 Vrms, 1 min. between coil and contacts 500 Vrms, 1 min. between open contacts; 750 Vrms, 1 min for S version
Surge Resistance	1500 V, between coil and contacts (FCC Part 68)
Shock Resistance	10g, 11ms. functional; 100g, destructive
Vibration Resistance	DA 1.5mm, 10 - 55Hz
Ambient Temperature	-25°C to 55°C
Weight	4g, approx.

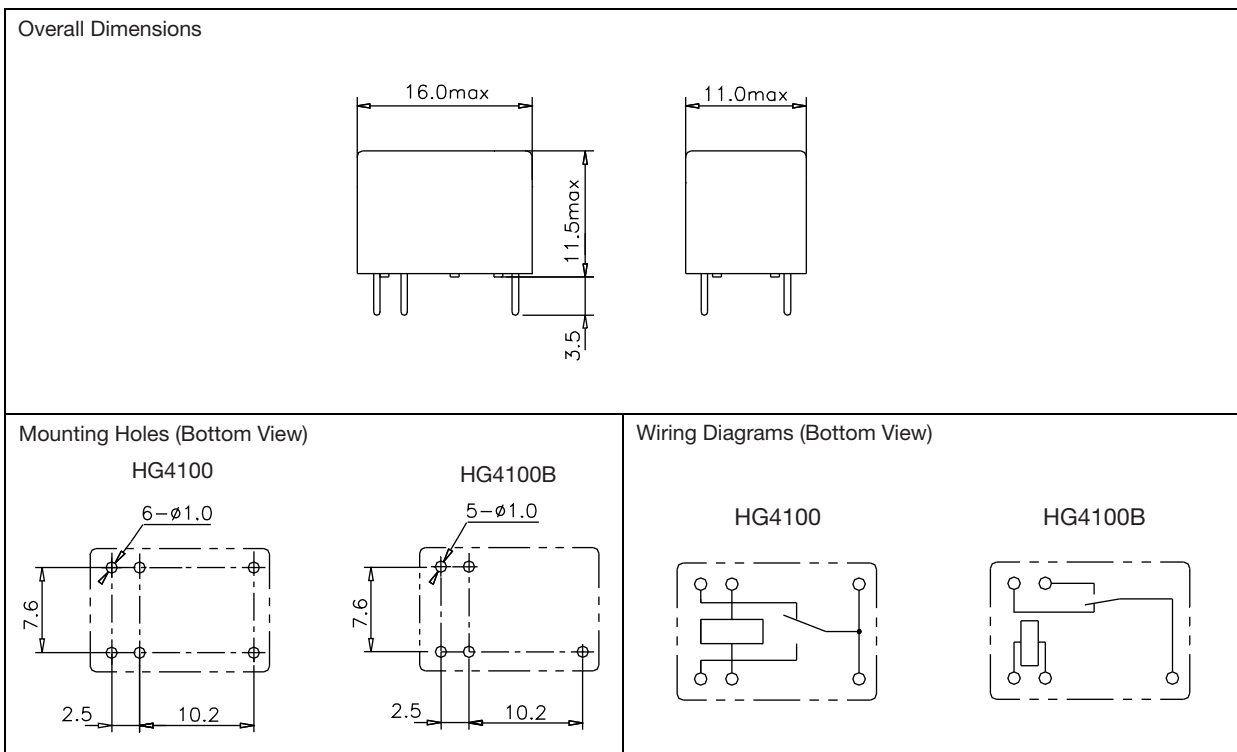
ORDERING DESIGNATION

Example:	HG4100	B /	012 -	1	H	S
Model						
Footprint						
HG4100: Regular						
HG4100B: Special						
Coil Voltage Code						
Version						
1: Sealed ; 2: Flux Free						
Coil Sensitivity						
Nil: Standard 0.36W; B: 0.45W; H: 0.2W						
Duty Version						
Nil: 2A; S: 5A						

REFERENCE CURVES



OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAMS (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