

Subminiature Power Relay

HG4525



FEATURES

- 10A, 250VAC contact capacity
- Reduced size than standard HG4124
- Standard and sensitive coils version available
- UL and CUR approved

TYPICAL APPLICATIONS

- Household appliances
- Business machines
- Air conditioners

CONTACT RATING

Form	1 Form A (H) / 1 Form C (Z)
Rated Load	10A, 250VAC/30VDC TV-5, 125VAC
Max. Switching Voltage	250VAC/30VDC
Max. Switching Current	10A
Max. Switching Capacity	2500VA/300W

UL / CSA RATING

Form	1 Form A (H) / 1 Form C (Z)
Resistive Rating	10A, 250VAC 10A, 30VDC
TV	5A, 125VAC

CONTACT DATA

Material	AgCdO; AgSnOInO	
Initial Contact Resistance	100m Ω , Max. at 1A, 6VDC	
Service Life	Mechanical	10 ⁷ ops.
	Electrical	10 ⁶ ops.

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) \pm 10%		Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Standard (0.53W)	Sensitive (0.25W)		
003	3	47	100	2.1	0.15
006	6	68	145	4.2	0.30
009	9	155	325	6.3	0.45
012	12	270	575	8.4	0.60
018	18	620	1,300	12.6	0.90
024	24	1,080	2,310	16.8	1.20
048	48	4,400		33.6	2.40

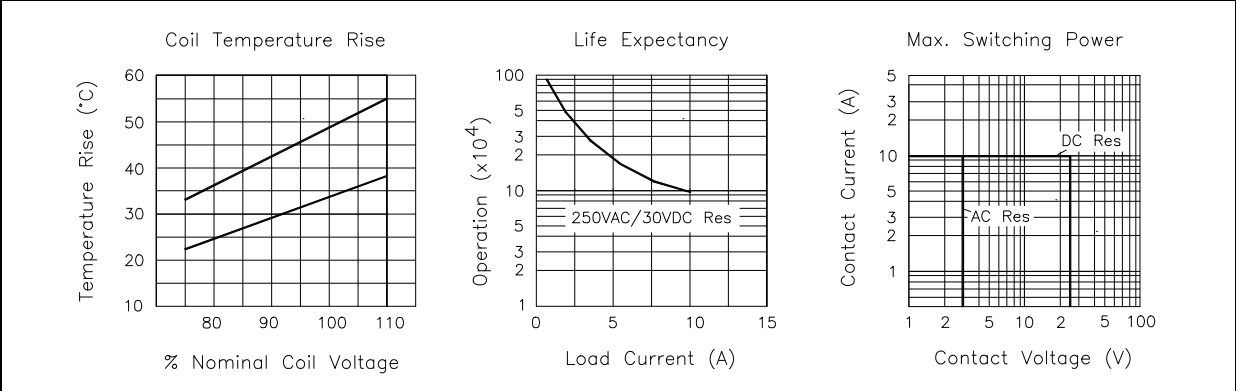
CHARACTERISTICS

Operate Time	15ms.
Release Time	5ms.
Insulation Resistance	1,000M Ω , at 500VDC, 50%RH
Dielectric Strength	Between coil and contacts: NO: 4,000Vrms; NC: 3,000Vrms, 1 Min. Between open contacts: 1,000Vrms, 1 Min.
Surge Resistance	10,000V
Shock Resistance	Functional: 20g, 11ms.; Destructive: 100g
Vibration Resistance	DA 0.75mm, 10 – 55 Hz
Power Consumption	Standard: 0.53W; Sensitive: 0.25W
Ambient Temperature	-35°C to 85°C
Weight	12g approx.

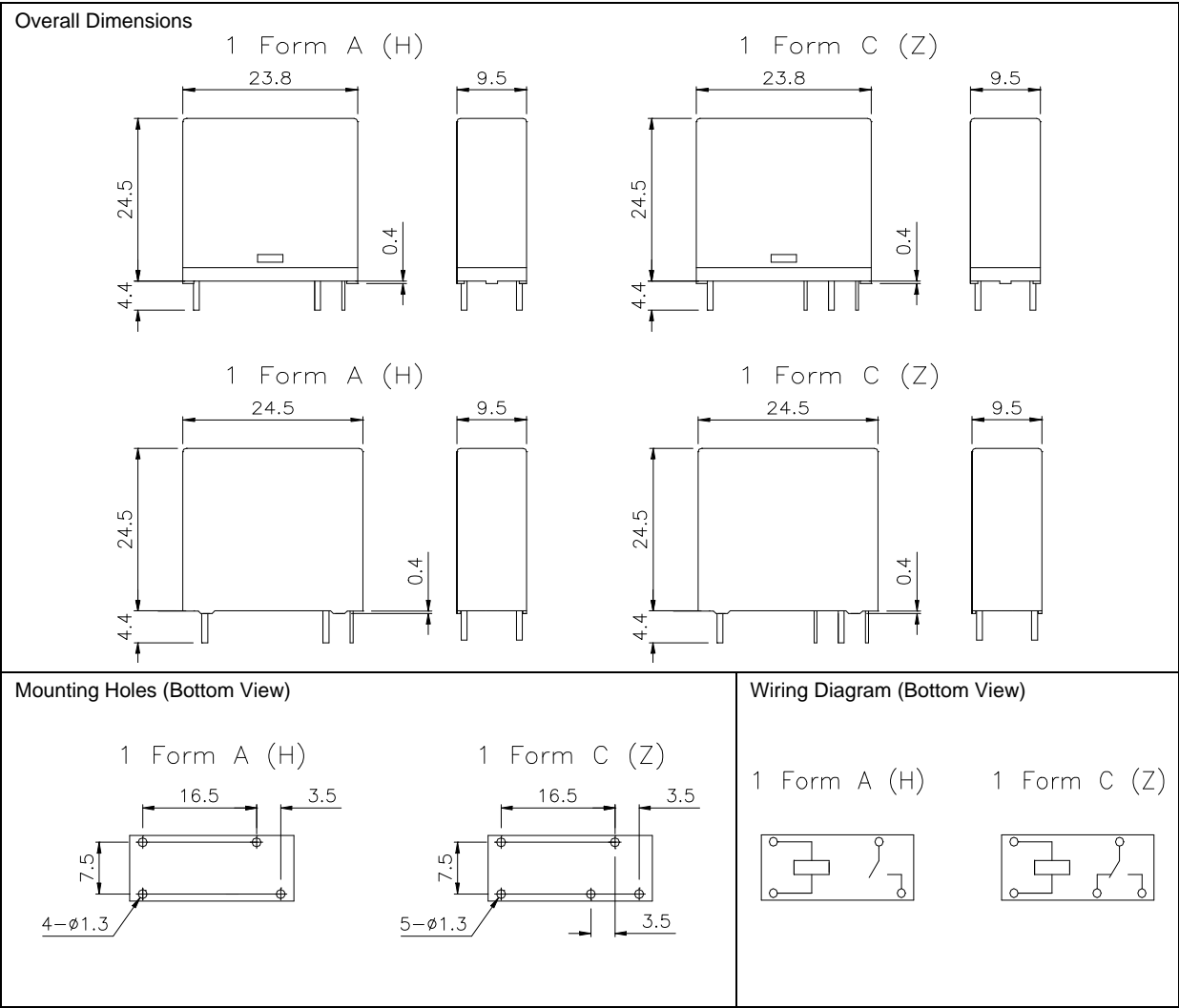
ORDERING DESIGNATION

Example:	HG4525 /	012 -	H	1	C
Model					
Coil Voltage Code					
Contact Form					
H: 1 Form A; Z: 1 Form C					
Version					
1: Sealed; 2: Dust Cover					
Contact Material					
C: AgCdO; S: AgSnOInO					

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.

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