

Subminiature PCB Power Relay

HG4548

FEATURES

- 5A switching capacity
- 1 Form A and 1 Form C configurations available
- 5KV dielectric strenght between coil and contacts
- High sensitive 0.2W version available for 1 Form A
- UL, CSA and VDE approval in progress

CONTACT RATING

Form	1 Form A (H), 1 Form C, (Z)
Rated Load	1 Form A (H): 5A 250VAC / 30VDC; 1 Form C (Z): 3A 250VAC / 30VDC
Max. Switching Voltage	250VAC/30VDC
Max. Switching Current	5A
Max. Switching Power	1250VA/150W

CONTACT DATA

Material		AgNi10
Initial Contact Resistance		70 mΩ, max. at 0.1A, 24VDC
Service Life	Mechanical	1 x 10 ⁶ ops.
	Electrical	1 x 10 ⁵ ops.

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ohm) ± 10%		Allowable Voltage Max. (VDC)		Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
		Standard (0.45W)	Sensitive (0.2W)	Standard (0.45W)	Sensitive (0.2W)		
003	3	20	45	3.9	5.1	2.25	0.15
005	5	55	125	6.5	8.5	3.75	0.25
006	6	80	180	7.8	10.2	4.50	0.30
009	9	180	400	11.7	15.3	6.75	0.45
012	12	320	720	15.6	20.4	9.00	0.60
018	18	720	1600	23.4	30.6	13.50	0.90
024	24	1280	2800	31.2	40.8	18.00	1.20

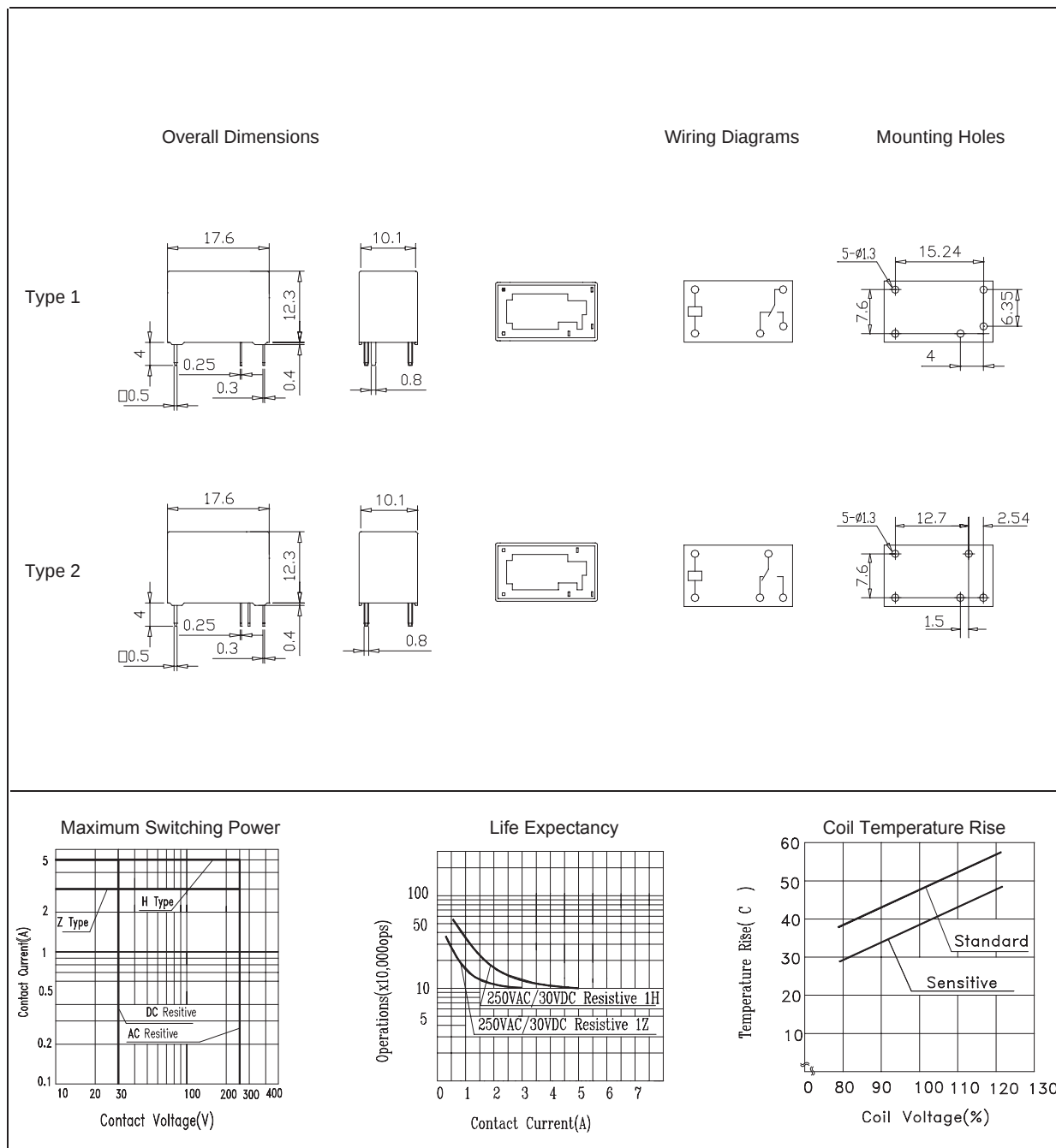
CHARACTERISTICS

Operate Time	8 ms., typical
Release Time	4ms., typical
Initial Insulation Resistance	1,000MΩ, at 500VDC
Dielectric Strength	Between coil and contacts: 5,000Vrms, 1 Min. Between open contacts: 1,000Vrms, 1 Min.
Surge Voltage	Between coil and contacts: 1,000V (1.2 x 50 μs)
Shock Resistance	Functional: 10 g; Destructive: 100 g
Vibration Resistance	1.65mm, 10 to 55 Hz
Power Consumption	Standard: 0.45W; Sensitive: 0.2W
Ambient Temperature	-40°C to 70°C
Weight	4.6g approx.

ORDERING DESIGNATION

Example:	HG4548 /	012-	Z	1	C	L	1
Model							
Coil Voltage Code							
Contact Form							
H: 1 Form A; Z: 1 Form C							
Version							
1: Sealed							
Contact Material							
Nil: AgNi10							
Coil Sensitivity							
Nil: Standard 0.45W; L: Sensitive 0.2W (For 1 Form A (H) only)							
Footprint Version Code (See Drawing)							
1: Type 1							
2: Type 2							

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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