

HG Relay

■ FEATURES

- 1 Form A or 1 Form C
- Standard and Sensitive Coils
- Sealed and Unsealed Type Available
- UL / CUR Approved E197546



■ CONTACT DATA

Contact Form	1 Form A	1 Form C	
Contact resistance Max. (At 1A 6VDC)	100 mΩ		
Contact Material	Silver Alloy		
Contact Rating (Res. Load)	5A 250VAC	Standard	High power
	5A 3VDC	N.C. 3A N.O. 5A	N.C. 5A N.O. 5A
Switching Voltage	250VAC / 30VDC (Max)		
Switching Current	5A		
Max. Switching Power	1250VA	1250VA(N0) 750VA(NC)	1250VA
Electrical Life	100,000 operations (At 30 operations / minute)		
Mechanical Life	10,000,000 operations		

■ COIL DATA

Coil Consumption	0.36W, 0.25W
Coil Voltage	3 ~ 48 VDC
Coil Resistance	See below table

■ GENERAL DATA

Insulation Resistance		1000M Ω Min. at 500VDC
Dielectric Strength	Open Contacts	1,000VAC (For one minute)
	Contacts and Coil	2,000VAC (For one minute)
Surge Voltage between contacts and coil		4,000VAC (At 2 x 10 micro sec)
Operate Time		10ms
Release Time		5ms
Temperature Rise		Max. 55℃
Ambient Temperature		-40 ~ 85℃
Shock Resistance		100m/s ²
Vibration Resistance		10 ~ 55Hz 10g, Amplitude of 3.3mm
Humidity		45 ~ 85%
Dimension		20.5 x 20.5 x 10.5mm
Weight		Approx. 8g
Construction		Sealed and unsealed

■ TABLE

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Current mA	Coil Resistance Ω	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Current mA	Coil Resistance Ω
	Standard Coil, 0.36W				Sensitive Coil, 0.25W			
3	2.1	0.15	12	25±10%	2.2	0.15	8.3	36±10%
5	3.5	0.25	72	69±10%	3.6	0.25	50	100±10%
6	4.2	0.3	60	100±10%	4.3	0.3	41	145±10%
9	6.3	0.45	40	225±10%	6.5	0.45	28	325±10%
12	8.4	0.6	30	400±10%	8.6	0.6	21	575±10%
18	12.6	0.9	20	900±10%	13	0.9	14	1300±10%
24	16.8	1.2	15	1600±10%	17.3	1.2	10	2310±10%
48	33.6	2.4	7.5	6400±10%	34.6	2.4	5	9220±10%

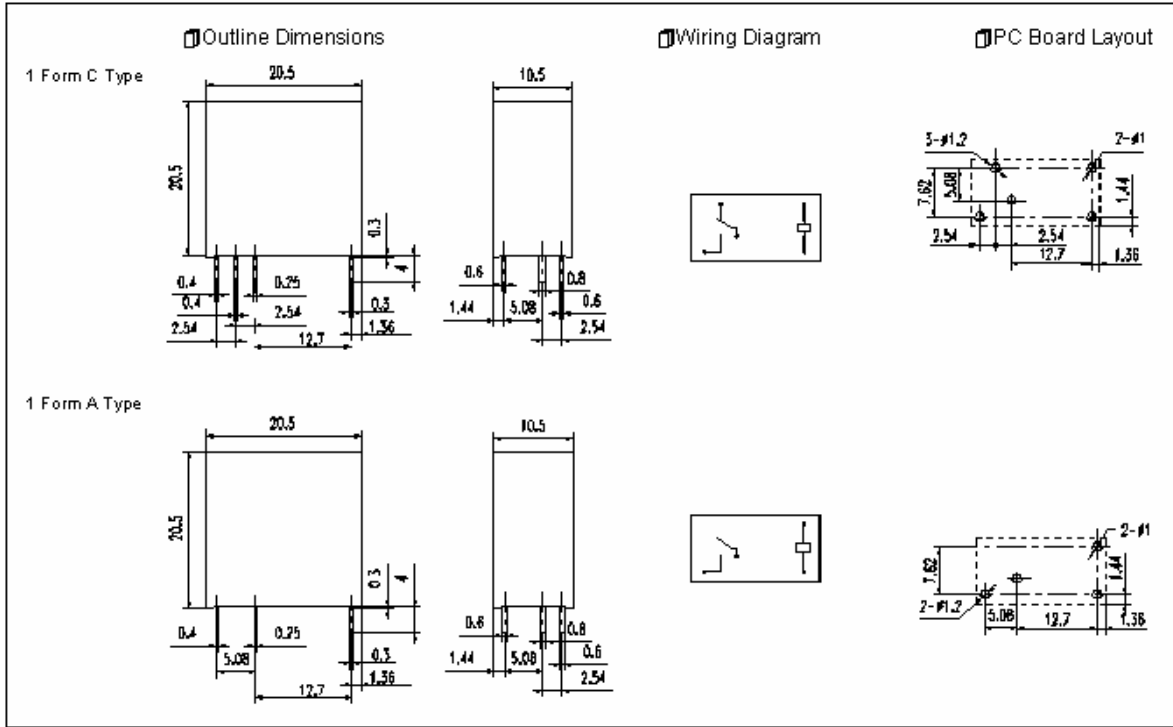
■ ORDERING INFORMATION

ex) HG-1AT-12SH

※ Additional "(555)" for RoHs products and contact material AgSnO₂
 "(554)" for RoHs products and contact material AgNi

HG	Model Name
1A	1A: SPST, 1C: SPDT
T	T: High Power, Nil: Standard
12	Coil Voltages : 3, 5, 6, 9, 12, 18, 24, 48Vdc
S	S: Sealed type, Nil: Standard type
H	H: Sensitive type, Nil: Standard type

■ OVERALL AND MOUNTING DIMENSIONS



■ USEFUL CURVE

