

Subminiature PCB Power Relay

HG4230



FEATURES

- Subminiature type, compact design
- Heavy duty, contact capacity up to 12A, 120VAC
- Low cost PCB relay

TYPICAL APPLICATIONS

- Office machine
- Home appliances
- Audio equipment
- Automotive control

CONTACT RATING

Type	HG4230
Resistive	12A, 120VAC 12A, 28VDC 7A, 240VAC
TV	5A, 120VAC

UL/CSA/TUV RATING

Type	HG4230
Resistive	12A, 120VAC (UL/CSA) 12A, 28VDC (UL/CSA) 6A, 240VAC (TUV) 10A, 28VDC (TUV)

CONTACT DATA

Material	AgCdO, AgSnOInO	
Initial Contact Resistance	100 mΩ max. at 0.1A, 6VDC	
Service Life	Mechanical	10 ⁷ ops.
	Electrical	10 ⁵ ops.

COIL DATA

Type	Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ± 10%				Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
			Power Consumption					
			Standard		Sensitive			
HG4230	003	3	20	0.45W	25	0.36W	2.25	0.3
	006	6	80		100		4.5	0.6
	009	9	180		225		6.75	0.9
	012	12	320		400		9.0	1.2
	024	24	1280		1600		18.0	2.4
	048	48	4500		6400		36.0	4.8

CHARACTERISTICS

Operate Time	15 ms. typical
Release Time	5 ms. typical
Insulation Resistance	100 MΩ, at 500 VDC, 50%RH
Dielectric Strength	1500 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms. functional; 100g, destructive
Vibration Resistance	DA 1.5mm, 10 - 55 Hz, functional
Power Consumption	Standard: 0.45W Sensitive: 0.36W
Ambient Temperature	-30°C to 55°C
Weight	12 g, approx.

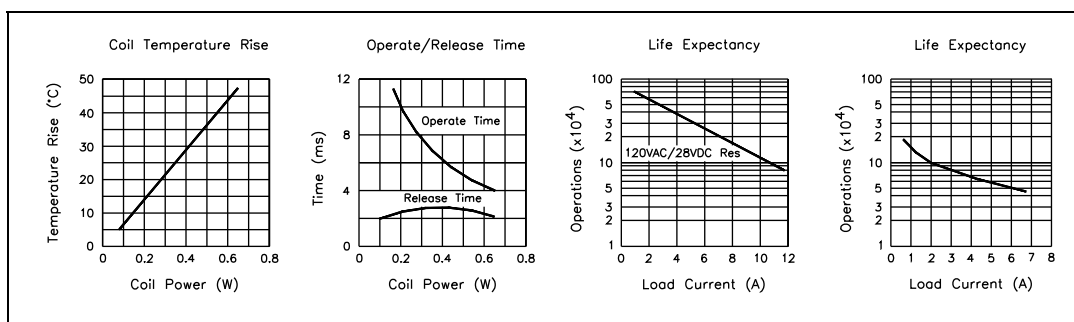
ORDERING DESIGNATION

Example:	HG4230	012-	Z	1	C	L
Model						
Coil Voltage Code						
Contact Form H: 1 Form A; D: 1 Form B; Z: 1 Form C						
Version 1: Sealed; 2: Flux Free; 3: Dust Cover						
Contact Material Nil: AgNi10; A: AgNi0.15; C: AgCdO; S: AgSnOInO						
Coil Sensitivity Nil: Standard 0.45W; L: Sensitive 0.36W						

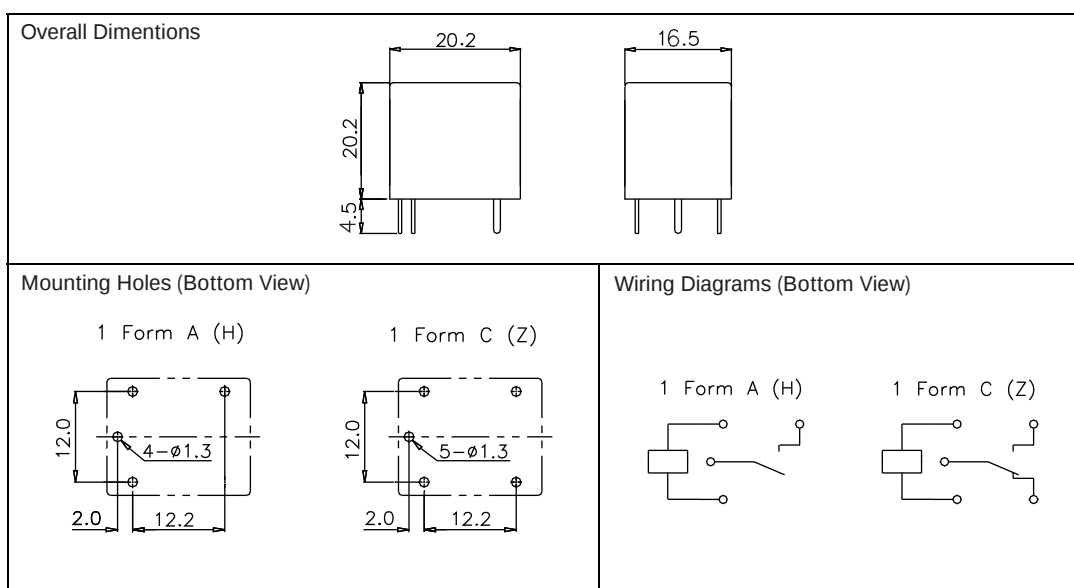
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REFERENCE CURVES



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.