

## Miniature PCB Power Relay

# HG4124L

### FEATURES

- 20A contact capacity
- 1 Form A, 1 Form B and 1 Form C contact form for choice
- 4 KV dielectric strength between coil and contacts
- Sealed and dust cover version available
- UL, CUR, TUV approved



### TYPICAL APPLICATIONS

- Household appliances
- Office machine
- Vending machine
- Air conditioner, refrigerator

### CONTACT RATING

Form	1 Form A (1H), 1 Form B (1D), 1 Form C (1Z)
Rated Load	16A, 240VAC/24VDC; 1HP, 240VAC
Max. Switching Current	20A
Max. Switching Voltage	277VAC/30VDC
Max. Switching Power	3840VA/384W

### CONTACT DATA

Material	AgCdO	
Initial Contact Resistance	50 mΩ max. at 1A, 24VDC	
Service Life	Mechanical	10 <sup>7</sup> ops.
	Electrical	10 <sup>5</sup> ops.

### UL/CUR RATING

	1 Form A (1H) 1 Form C (1Z) NO	1 Form B (1D) 1 Form C (1Z) NC
General Use	16A, 240VAC	
Resistive	20A, 277VAC / 24VDC	
Motor	1HP, 240VAC	

### COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%				Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Power Consumption					
		Standard		Sensitive			
005	5	36	0.72W	47	0.55W	3.6	0.5
006	6	50		68		4.3	0.6
009	9	115		160		6.5	0.9
012	12	200		275		8.6	1.2
018	18	460		650		13.0	1.8
024	24	820		1100*		17.3	2.4
048	48	3300*		4170*		34.6	4.8
060	60	5100*		7000*		43.2	6.0

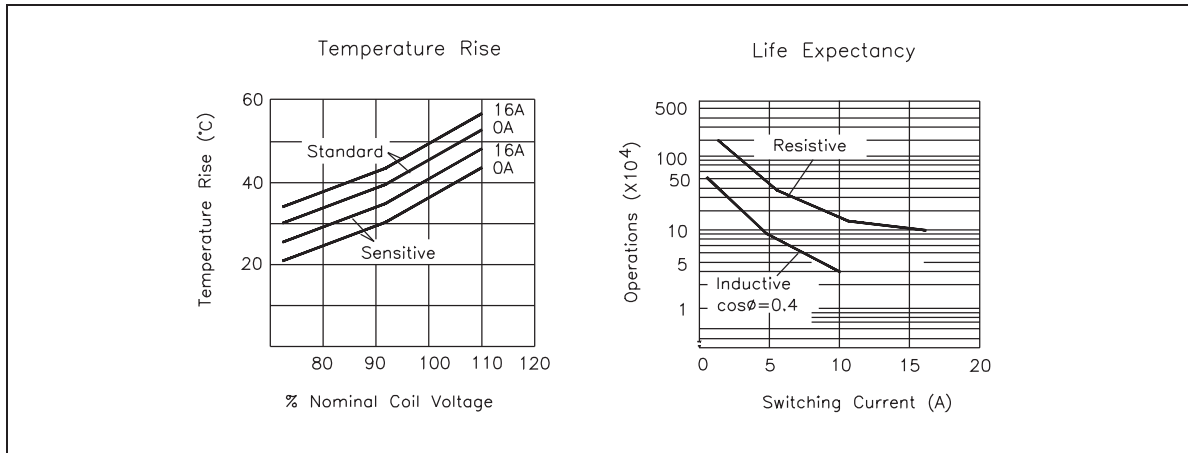
### CHARACTERISTICS

Operate Time	15 ms. max.
Release Time	5 ms. max.
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	4000 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
Ambient Temperature	-40°C to 70°C
Weight	18.5 g, approx.

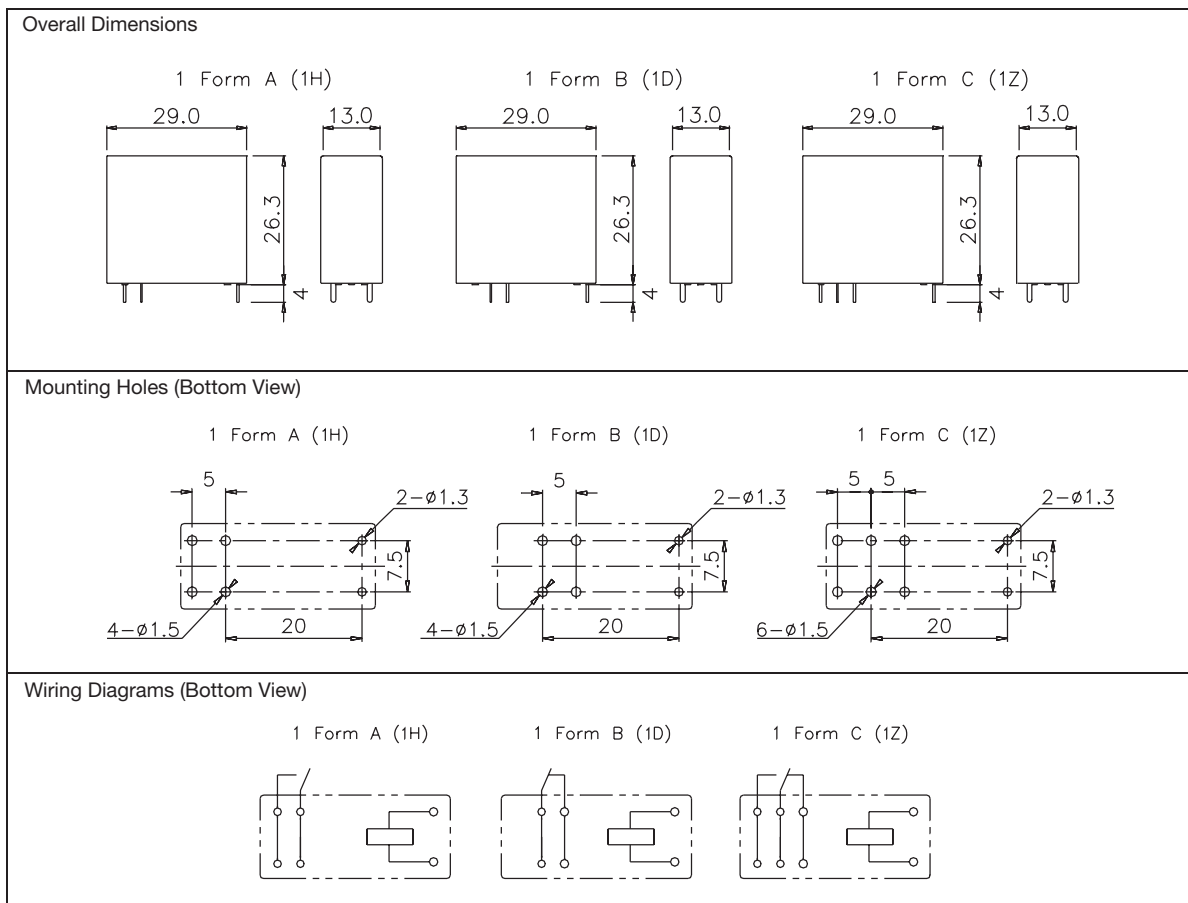
### ORDERING DESIGNATION

Example:	HG4124L /	012 -	1Z	1	H
Model					
Coil Voltage Code					
Contact Form					
1H: 1 Form A; 1D: 1 Form B; 1Z: 1 Form C					
Version					
1: Sealed; 2: Dust Cover					
Coil Sensitivity					
Nil: Standard 0.72W; H: Sensitive 0.55W					

## 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. Coil resistance with \* mark is ±15%.
3. Custom-made services available with operational quantity. Please let us know your special requirements.
4. Specifications subject to change without prior notice.