



MAIN FEATURES

- 8A contact capacity 1 Form A to 1 Form C contact forms available 5KV dielectric strength between coil and contacts
- 8mm creepage distance between coil and contacts Low profile and slim design, 15.5mm in height and 10mm in width
- UL, CSA and VDE approved

TYPICAL APPLICATIONS

- Home applicances
- Office machine
- Vending machine Air conditioner and refrigerator

COIL DATA

Coil Voltage Code	Nominal Voltage VDC	Resistance (Ω) ±10%	Power Consumption	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
005	5	110		3.5	0.25
006	6	175		4.2	0.3
012	12	740	0.4W	8.4	0.6
024	24	2,850*		16.8	1.2
048	48	10,000*		33.6	2.4

CONTACT RATING

Form	1 Form A (1H) / 1 Form B (1D) / 1 Form C (1Z)			
Rated Load	8A			
Max. Switching Voltage	250VAC/440VAC			
Max. Switching Current	30A, 20 ms			
Max. Switching Power	2,000VA @ 8A, 250VAC 1,600VA @ 4A, 440VAC			

CONTACT DATA

Material		Ag Alloy - see below	
Initial Contact Resistance		50m $Ω$, Max. at 1A, 6VDC	
Service Life	Mechanical	10 ⁷ ops.	
	Electrical	2 x 10 ⁵ ops. @ 6 ops/min.	

CHARACTERISTICS

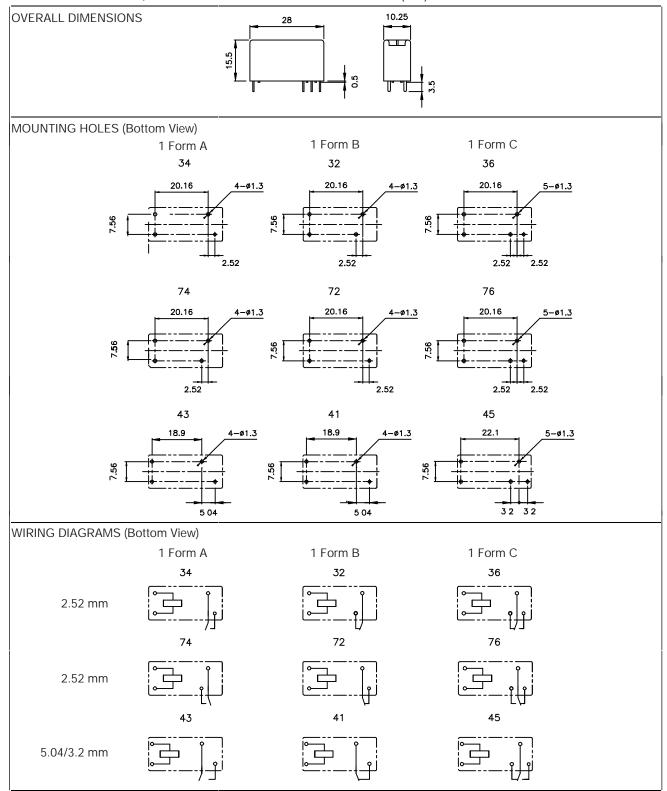
Operate Time	7ms.
Release Time	1.5ms.
Insulation Resistance	1,000M Ω , at 500VDC, 50%RH
Dielectric Strength	Between coil and contacts: 5,000Vrms, 1 Min. Between open contacts: 1,000Vrms, 1 Min.
Shock Resistance	Functional: 10g, 11ms.; Destructive: 100g
Vibration Resistance	50g, 10 – 55 Hz
Power Consumption	0.4W
Ambient Temperature	-40°C to 85°C
Weight	10g approx.

ORDERING DESIGNATION

Example: HG4536 / 012	2 - 1Z	1	S	34
Model				
Coil Voltage Code				
Contact Form 1H: 1 Form A; 1D: 1 Form B; 1Z: 1 Form C				
Version 1: Sealed 2: Dust Cover		•		
Contact Material Nil: AgNi10; A: AgNi0.15; C: AgCdO; S: AgSnOlnO			•	
Footprint & Wiring Code Please refer to Mounting Holes & Wiring Diagrams for Coding				

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OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAMS (mm)



Note: 1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.

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

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