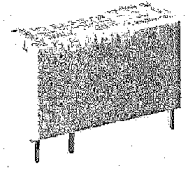


MAIN FEATURES

- 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 appliances
- 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	0.4W	3.5	0.25
006	6	175		4.2	0.3
012	12	740		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	50mΩ, Max. at 1A, 6VDC	
Service Life	Mechanical	10 ⁷ ops.
	Electrical	2 x 10 ⁵ ops. @ 6 ops/min.

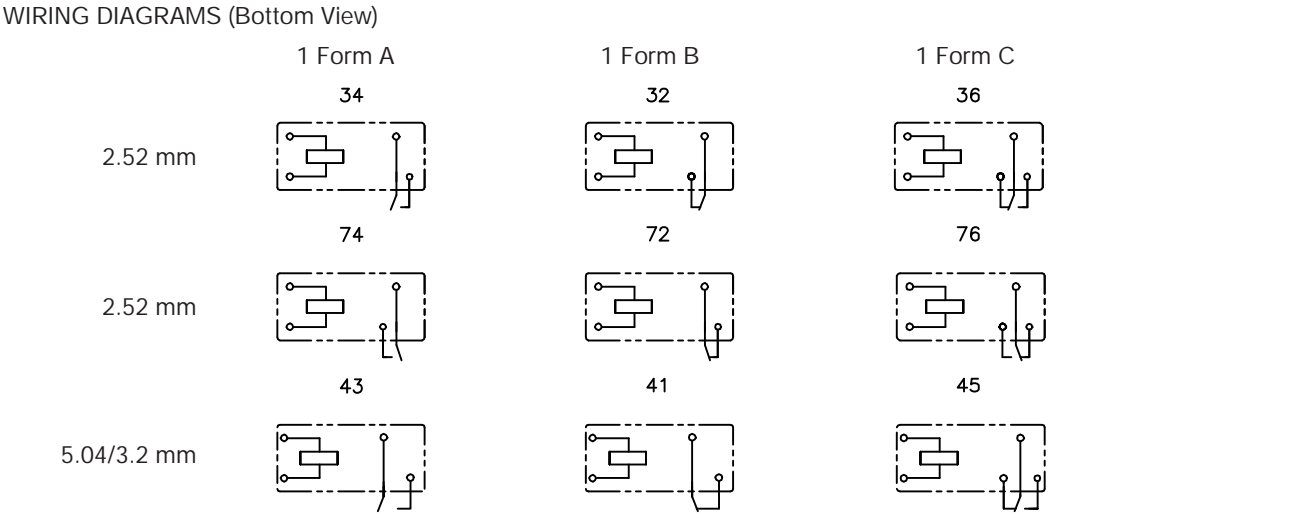
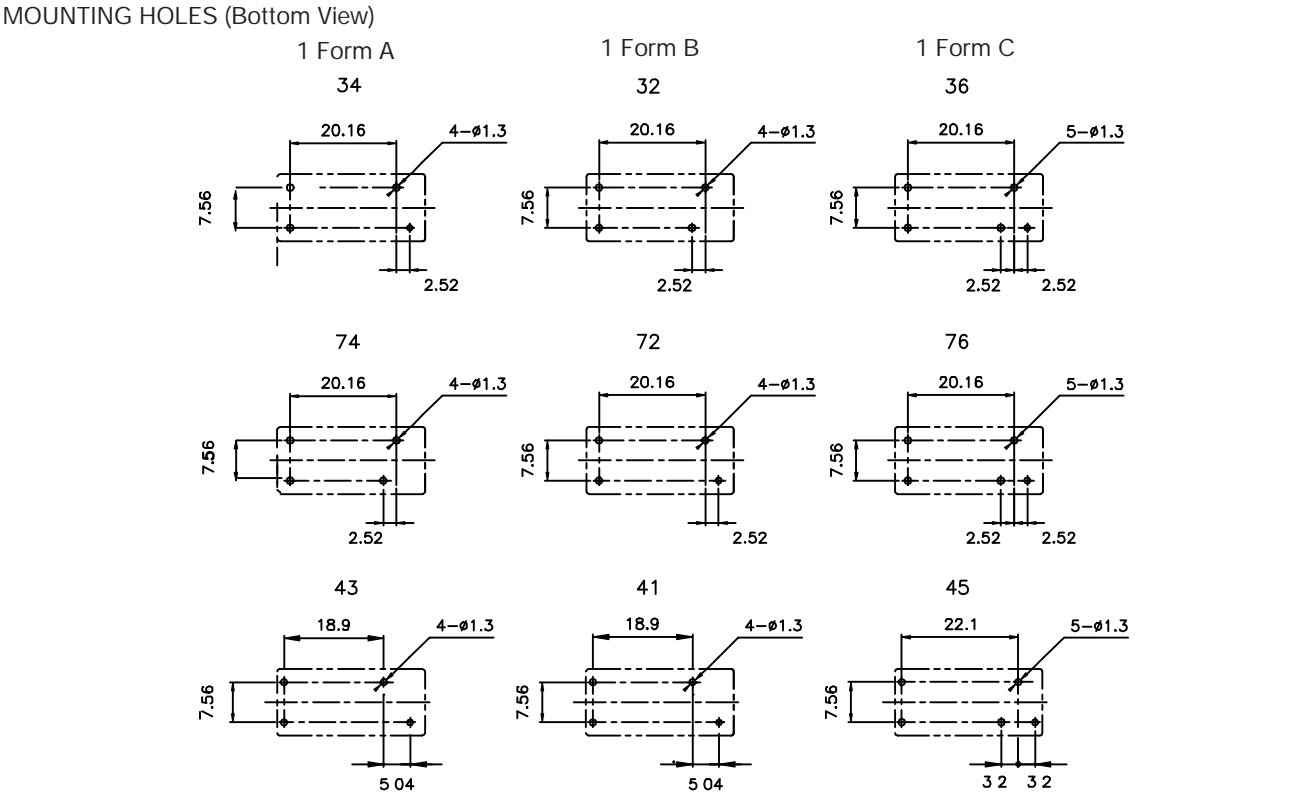
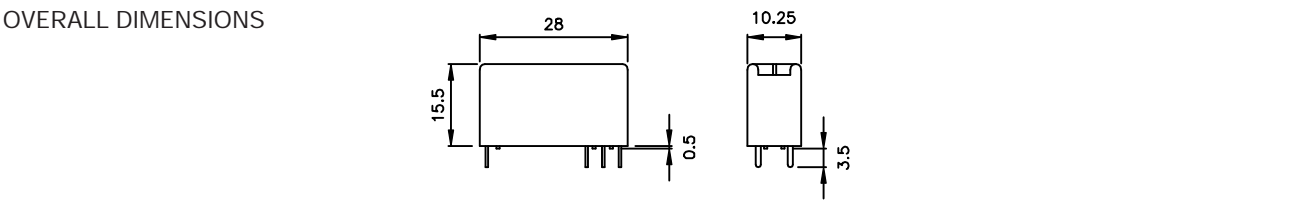
CHARACTERISTICS

Operate Time	7ms.
Release Time	1.5ms.
Insulation Resistance	1,000MΩ, 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 -	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: AgSnOInO						
Footprint & Wiring Code						
Please refer to Mounting Holes & Wiring Diagrams for Coding						

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 $\pm 15\%$.
 3. Custom-made services are available with operational quantities. Please let us know your special requirements.
 4. Specifications subject to change without prior notice.

Willow Technologies Limited
 Shawlands Court, Newchapel Road
 Lingfield, Surrey, England. RH7 6BL
 Tel: +44 (0) 1342 835234
 Fax: +44 (0) 1342 834306
 email: sales@willow.co.uk
 http://www.willow.co.uk