

FEATURES

- 8A switching capabilities
- 1 & 2 pole configurations
- 5KV dielectric strength coil to contacts
- Low profile 12.5mm in height
- Sealed and dust cover version available
- Creepage distance 10mm

TYPICAL APPLICATIONS

- Electrical household appliances
- Office machine
- Vending machine
- Automation

CONTACT RATING

Form	1 Form A (1H) / 1 Form B (1D) / 1 Form C (1Z)	2 Form A (2H) / 2 Form B (2D) / 2 Form C (2Z)
Rated Load	8A 250VAC/30VDC	3A 250VAC/30VDC
Max. Switching Voltage	440VAC	
Max. Switching Current	8A	3A
Max. Switching Power	2,000VA 240W	750VA 90W

CONTACT DATA

Material	AgNi10, AgSnO	
Initial Contact Resistance	100 mΩ	
Service Life	Mechanical	10 ⁷ ops.
	Electrical	10 ⁵ ops.

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	113	0.22-0.29W	3.5	0.5
006	6	164		4.2	0.6
009	9	360		6.3	0.9
012	12	620		8.4	1.2
018	18	1295		12.7	1.8
024	24	2350 *		16.8	2.4
048	48	8000 *		33.6	4.8
060	60	12500 *		42.0	6.0

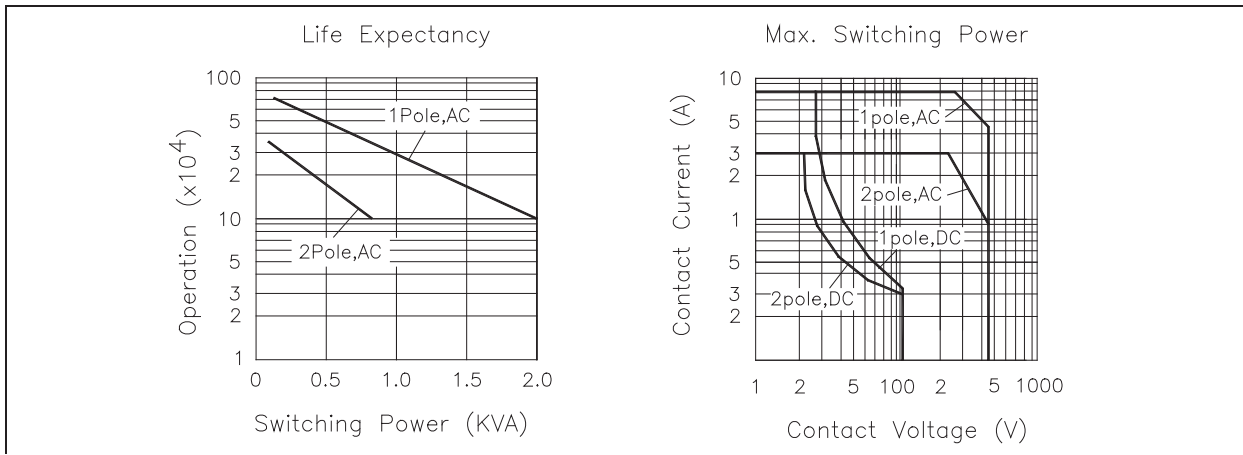
CHARACTERISTICS

Operate Time	10 ms.
Release Time	5 ms.
Insulation Resistance	1000 MΩ, at 500 VDC
Dielectric Strength	5000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts 2500 Vrms, 1 min. between contact poles
Shock Resistance	NO:10 g; NC: 5g functional, 100 g, destructive
Vibration Resistance	NO: DA 1.65mm; nC: DA 0.8mm, 10 - 500 Hz
Ambient Temperature	-40 C to 85 C operating
Weight	8g approx.

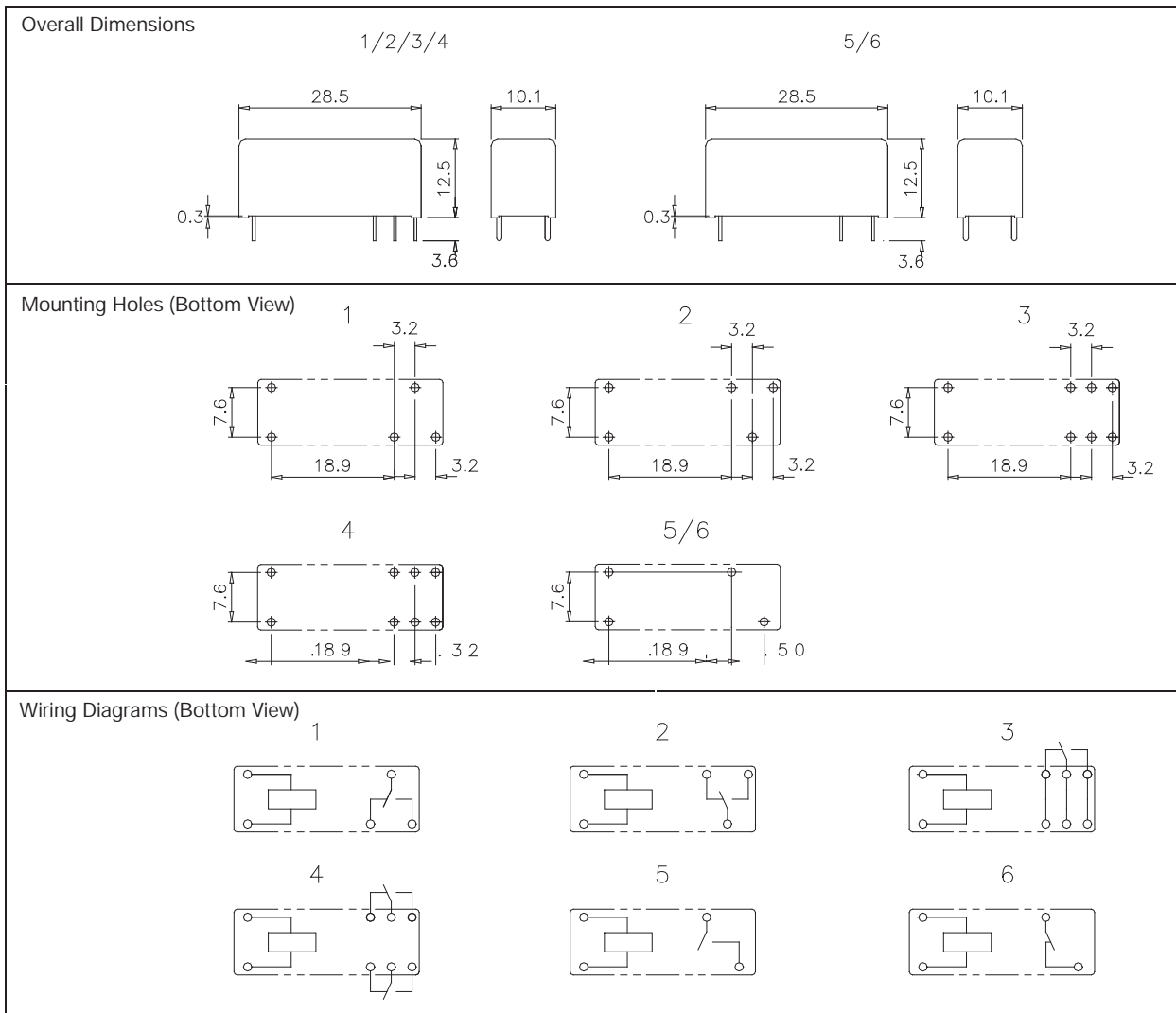
ORDERING DESIGNATION

Example:	HG4529 /	012 -	1Z	1	3	S
Model						
Coil Voltage Code						
Contact Form						
1H: 1 Form A; 1D: 1 Form B; 1C: 1 Form C						
2H: 2 Form A; 2D: 2 Form B; 2C: 2 Form C						
Version						
1: Sealed, 2: Dust Cover						
Structure Version (refer to wiring diagrams)						
1: 1 pole, 8A; 3.2mm; 2: 1 pole, 8A; 3.2mm; 3: 1 pole, 8A; 3.2mm						
4: 2 pole, 8A; 3.2mm; 5: 1 Form A, 8A; 5mm; 3: 1 Form B, 8A; 5mm						
Contact Material						
Nil: AgNi10; G: AgNi10/Au plated; S: AgSnO						

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

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