

FEATURES

- Two independent relay installed in one package
- Miniaturized structure, light weight
- Improved contact capacity
- Big gap type available for heavy motor load switching

TYPICAL AUTOMOTIVE APPLICATIONS

- Power antenna
- Power window
- Interval wiper
- Slide roof control
- Tilt lock wheel
- Automatic door lock
- Automatic seat adjustment

CONTACT DATA

Form		2 Form C (2Z)
Max. Switching Current	Make	60A
	Break	20A
Material		AgNi0.15, AgSnOInO
Max. Switching Voltage		16VDC
Max. Continuous Current		35A, 10 min; 25A, 1 hr
Min. Load		0.1A, 5VDC
Service Life	Mechanical	10^7 ops.
	Electrical	10^5 ops. see Note 3

COIL DATA

Type	Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%	Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
Standard 0.6W	006	6	60	3.6	0.6
	009	9	135	5.4	0.9
	012	12	240	7.3	1.2
	024	24	960	14.4	2.4
Big Gap 0.8W	006	6	45	3.6	0.6
	009	9	100	5.4	0.9
	012	12	180	7.3	1.2
	024	24	720	14.4	2.4

CHARACTERISTICS

Operate Time	10 ms. typical
Release Time	5 ms. typical
Insulation Resistance	100 MΩ, at 500 VDC, 50%RH
Dielectric Strength	500 Vrms, 1 min.
Shock Resistance	10 g, 11ms.
Viberation Resistance	DA 1.5 mm, 10 - 55 Hz
Drop Resistance	1 M hight drop on concrete
Power Consumption	Standard: 0.6W; Big Gap: 0.8 W
Ambient Temperature	-30 C to 85 C operating; -40 C to 100 C storage
Weight	13 g, approx.

ORDERING DESIGNATION

Example:	HG4508 /	012 -	2Z	1	A	G

Model

Coil Voltage Code

Contact Form
2Z: 2 Form C

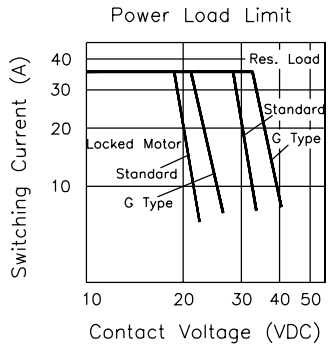
Version
1: Sealed; 2: Dust Cover

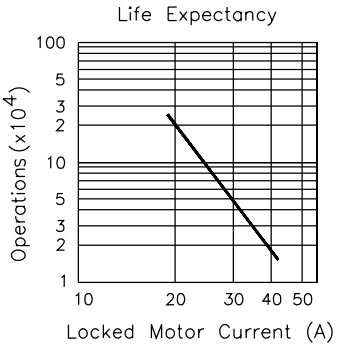
Contact Material
Nil: AgNi10; A: AgNi0.15; C: AgCdO; S: AgSnOInO

Contact gap
Nil: Standard; G: Big Gap

REFERENCE CURVE

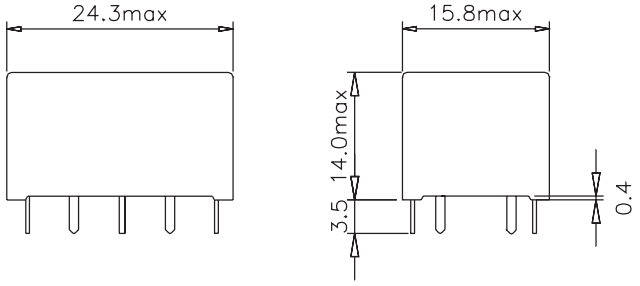
Power Load Limit



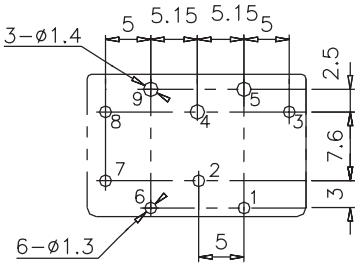


OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)

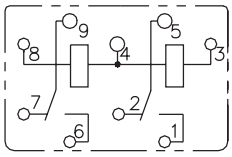
Overall Dimensions



Mounting Holes (Bottom View)



Wiring Diagram (Bottom View)



NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. Maximum make current refers to inrush current of motor load.
3. Elecreical life obtained at motor load of locked rotor at 20A, 14VDC with operating frequency of 1 ops/sec.
4. Custom-made services available with operational quantity. Please let us know your special requirements.
5. Specifications subject to change without prior notice.

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