

#### FEATURES

- Twin NO contact form
- Special construction improving reliability
- Automotive-oriented design

#### TYPICAL AUTOMOTIVE APPLICATIONS

- Truck flasher
- Alarm system

#### CONTACT DATA

Form		1 Form U (SH)
Max. Switching Current	Make	2 x 120 A
	Break	2 x 40 A
Material		AgNi10, AgSnOInO
Initial Contact Resistance		50 mΩ max. at 0.1A, 6VDC
Max. Continuous Current		2 x 30 A
Min. Load		0.5A, 12VDC
Service Life	Mechanical	10 <sup>7</sup> ops.
	Electrical	2 x 10 <sup>5</sup> ops, see Note 4

#### COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%	Must Operate Voltage max. (VDC)	Allowable Voltage (VDC)	Must Release Voltage min. (VDC)
006	6	15.4	3.3	8.3	1.5
012	12	64.0	6.8	16.8	3.0
024	24	234.0	13.9	32.2	6.0

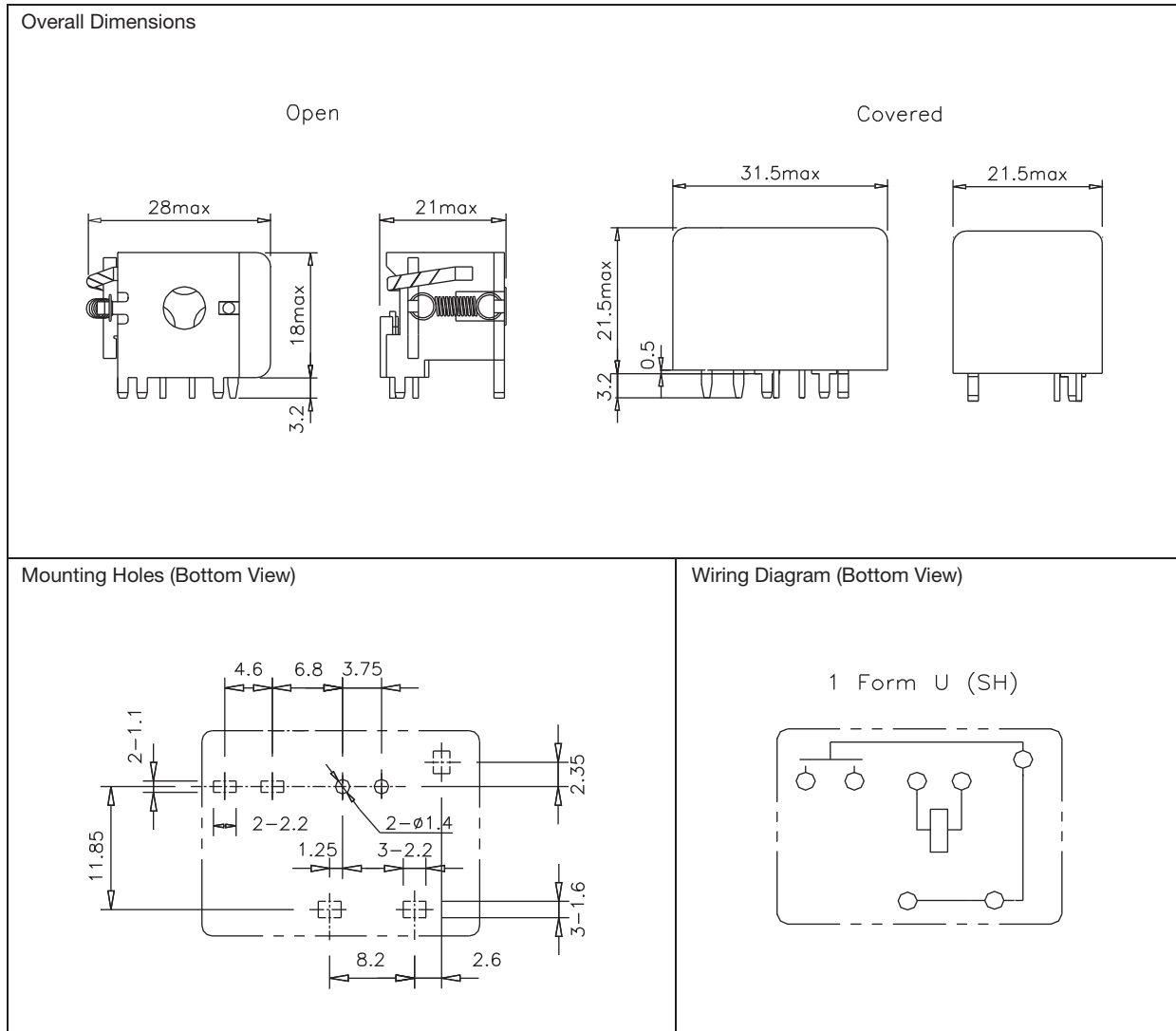
#### CHARACTERISTICS

Operate Time	4 ms. typical
Release Time	3 ms. typical
Insulation Resistance	100 MΩ, at 500 VDC, 50%RH
Dielectric Strength	500 Vrms, 1 min.
Shock Resistance	20 g, 11ms.
Vibration Resistance	DA 1.5mm, 20 - 200 Hz
Drop Resistance	1 M height drop on concrete in final enclosure
Power Consumption	2.25 W, approx.
Ambient Temperature	-40°C to 125°C operating; -40°C to 155°C storage
Weight	Open: 20 g; Covered: 25g, approx.

#### ORDERING DESIGNATION

Example:	HG4504 /	012 -	SH	8 -	1	A
Model						
Coil Voltage Code						
Contact Form						
SH: 1 Form U						
Footprint						
8: US						
Version						
Nil: Open; 1: Sealed; 2: Dust Cover						
Contact Material						
Nil: AgNi10; A: AgNi0.15; C: AgCdO; S: AgSnOInO						

## OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)



### NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. Maximum make current refers to inrush current of lamp load.
3. At ambient temperature of 85°C, maximum allowable voltage should be reduced to 72%.
4. Electrical life obtained at resistive or inductive load at 2x30A, 15VDC with suitable arc-suppression circuit attached with operating frequency of 1 ops/sec.
5. Custom-made services available with operational quantity. Please let us know your special requirements.
6. Specifications subject to change without prior notice.

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