

FEATURES

- Energy-conscious design, one pulse will be enough to complete switching
- Compact structure
- Single, dual coil version available
- Contact status indicator version available

TYPICAL APPLICATIONS

- Prepaid card electric meter
- Others

CONTACT DATA

Form	1 Form B (factory-set), 1 Form A	
Material	AgCdO	
Rated Load	40-60A, 250VAC	
Initial Contact Resistance	5 mΩ, max. at 0.1A, 5VDC	
Service Life	Mechanical	10 <sup>5</sup> ops.
	Electrical	10 <sup>4</sup> ops.

COIL DATA

Type	Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%	Operate Voltage (VDC)
Single Coil (1W)	005	5	25	2.0 - 3.75
	009	9	80	3.6 - 6.75
	012	12	145	4.8 - 9.0
	024	24	575	9.6 - 18.0
Dual Coil (2W)	005	5	13	2.0 - 3.75
	009	9	40	3.6 - 6.75
	012	12	73	4.8 - 9.0
	024	24	288	9.6 - 18.0

CHARACTERISTICS

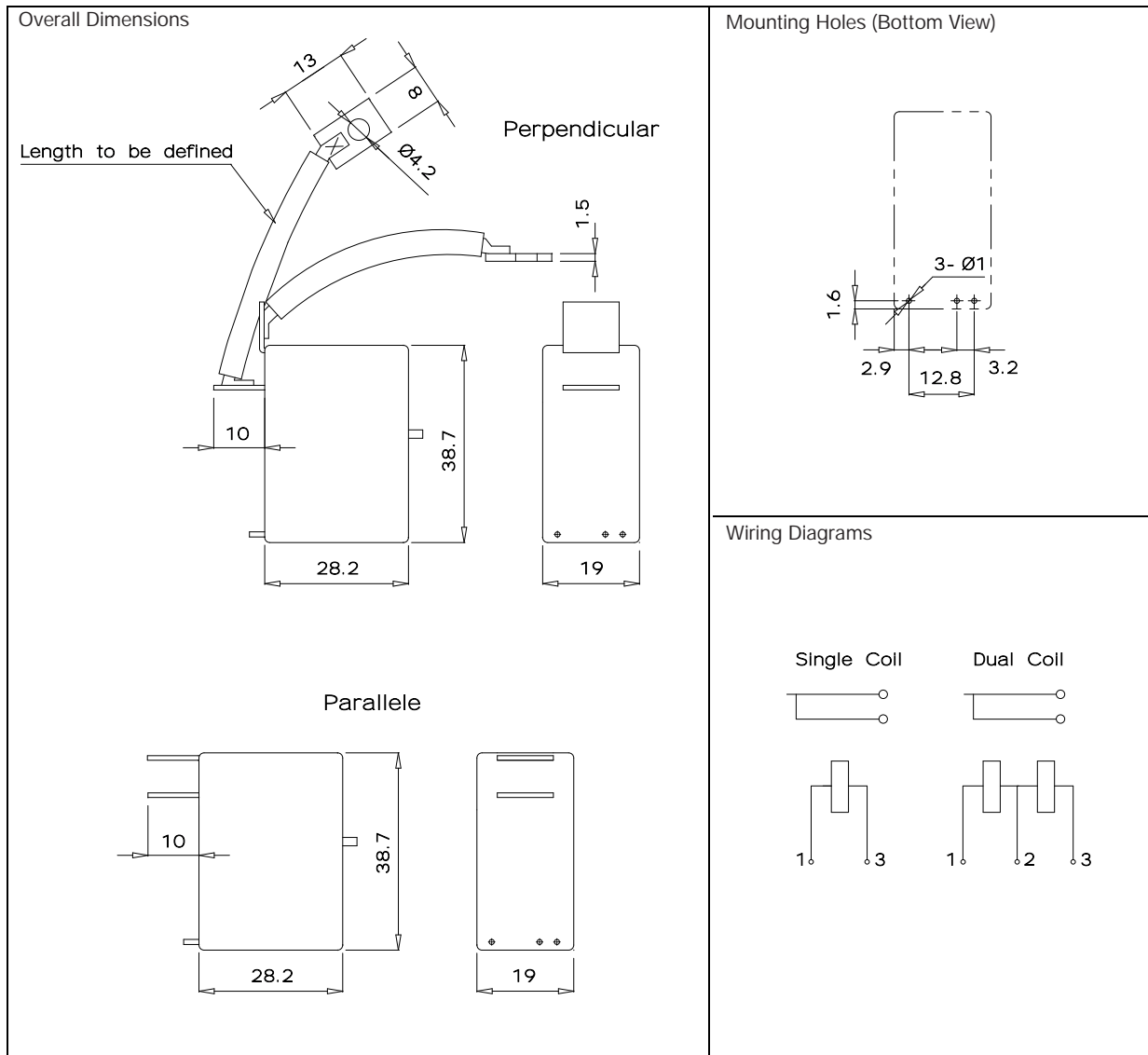
Operate Time	8 ms. typical
Release Time	8 ms. typical
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	4000 Vrms, 1 min. between coil and contacts 2000 Vrms, 1 min. between open contacts
Shock Resistance	5 g, 11ms.
Vibration Resistance	DA 1.5 mm; 10 - 55Hz
Power Consumption	Single Coil: 1W, pulse width: 100 ms. Dual Coil: 2W, pulse width: 100 ms.
Temperature Rise	Cover: 26°C; Terminals: 36°C, approx.
Ambient	-40°C to 70°C
Weight	44 g, approx.

ORDERING DESIGNATION

Example:	HG4502B /	012 -	S	D	A	1
Model						
Coil Voltage Code						
Coil Form						
Nil: Single Coil; S: Dual Coil						
Status Indicator						
D: With Indicator						
Rating Version						
A: 40A; B: 60A						
Terminal Type						
1: Perpendicular; 2: Parallel						

# HG4502B

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



### NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. Factory set contacts to close.
3. For single coil type, send positive pulse from coil terminal No.1 to make contacts break, then send negative pulse make contacts make.
4. For dual coil type, send positive pulse from coil terminal No. 1 to make contacts break, then send negative pulse from terminal No. 2 make contacts make (negative pulse from No. 2 to No. 3 for lateral type)
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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