OMRON

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787

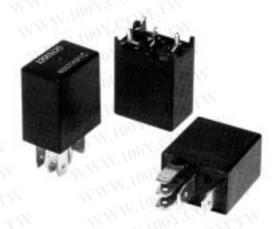
Http://www.100y.com.tw

G8H

Automotive Relay

Automotive Relay

- General purpose automotive relay.
- Handles heavy loads for various automotive applications.
- Plug-in and PCB types available.
- Wide temperature range: -40°C to +125°C.
- High current capacity.



Available Types

Plug-in Type	PCB Terminal Type		Contact form	Notes	
	Standard	Sealed	COM	M. Inc. A COM.	
G8H-1A7T	G8H–1A7P	G8H-1A4P	SPST	Standard	
G8H-1A7T-R	G8H-1A7P-R	G8H-1A4P-R	SPST	W/Suppression Resistor	
G8H-1C7T	G8H-1C7P	G8H-1C4P	SPDT	Standard	
G8H-1C7T-R	G8H-1C7P-R	G8H-1C4P-R	SPDT	W/Suppression Resistor	

Contact Data -

Continuous carry current (max.)	20A(NO)/10A(NC)	MANN TO COR	
Contact value drop (Initial value at 23°C) (max.)	200mV(NO)/200mV/(NC)	MMM.1007.CO	
Inrush current (L/R=7ms; 15ms max.) (max.)	60A(NO)/30A(NC)	WWW.LOOY.C	

Ratings/Specifications

Rated voltage Operating voltage (max.) Coil resistance		12 VDC	-1W.100	
		16 VDC 80 Ω ± 10% (100 Ω available plug–in types)		
at +80°C (max.)	8.7 VDC	1 1		
Drop-out voltage at +20°C (min.)		1.2 VDC	MM	
Continuous carry current flow time (16V at 80°C) (max.)		Unlimited	WWW	
Operate time		10 ms	MWA	
Release time		5 ms		
Operating ambient temperature		-40°C to 125°C *		
Mechanical life (min.)		10,000,000 cycles (at frequency of 18,000 operations/hour)		
Electrical life (resistive load) (min.)		100,000 cycles (14V; continuous carry current)		
Weight		20g		

^{*}Inquire before using this relay in any application at 100°C or higher.

Application Examples

- Electric sunroof
- Retractable headlight
- Blower fan motor
- Head lamps

G8H

Fuel pump

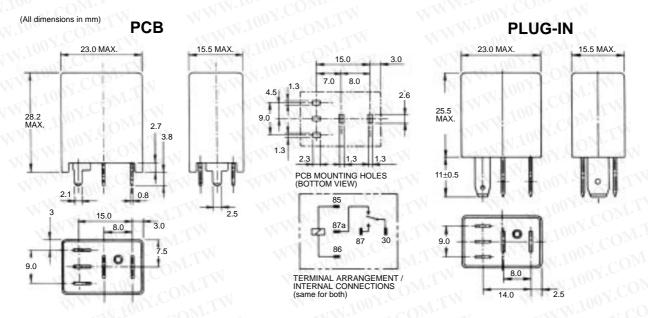
- ABS
- ATMs
- Fuel pump control
- Vending Machines
- Electronic Purse Systems

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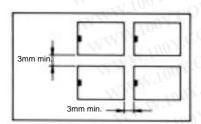
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Dimensions



- Omron PCB relays may be mounted in any convenient location that is dry and not exposed to excessive dust, S0₂, H₂S or organic gases.
- All Omron PCB relays may be oriented in any desired direction. Whenever possible, however, care should be taken that they are not subjected to vibration along the direction of contact movement.



Note: Proper spacing is necessary to dissipate heat build—up from individual relays. Other than this, there are normally no restrictions depending on application. Please contact Omron for details. If several relays are to be mounted on a single printed circuit board, they should be given at least 3mm clearance on all sides as shown in the diagram below.