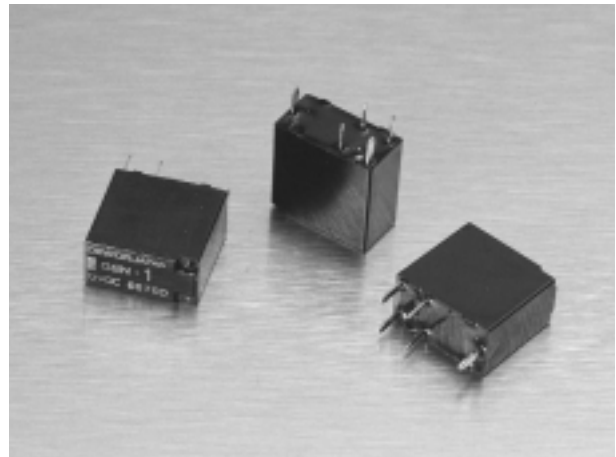


Ultra-Miniature Automotive PCB Relay

- Compact size
- High performance PCB relay
- 25A motor lock load
- Fully sealed construction
- Fully automated assembly
- SPDT contracts



Available Types

	Type
G8N-1 12DC	Standard
G8N-1S 12DC	High Sensitivity
G8N-1F 12DC	Flasher
G8N-1L 12DC	High Temperature (105°C)
G8N-1H 12DC	High Temperature/High Sensitivity

Contact Data

Max Switching Current	30A
Rated Current	25A Motor lock
Max Switching Voltage	16V
Contact Material	Silver tin alloy (Cadmium Free)

Coil Ratings

Type	Coil Resistance	Pull in Voltage
G8N-1	225Ω	7.2
G8N-1S	180Ω	6.5
G8N-1F	180Ω	7.2
G8N-1L	225Ω	7.2
G8N-1H	180Ω	6.5

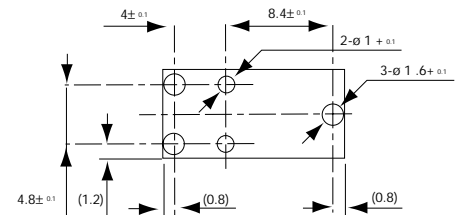
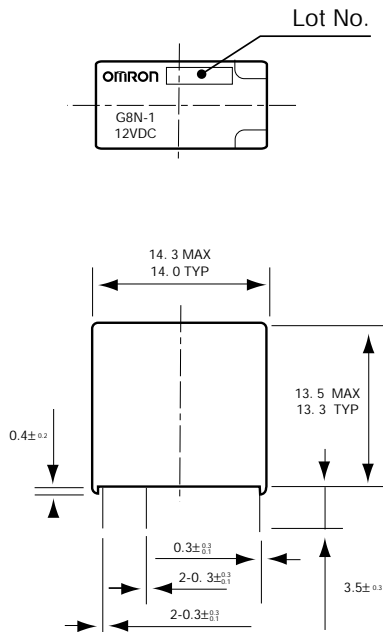
Specifications

Temperature Range	-40 to +85°C
Mechanical Life	1,000,000 Operations
Electrical Life	100,000 Operations
Weight	4.1g

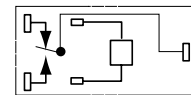
Application Examples

- Power windows
- Power door lock
- Seat adjustment
- Sunroof
- Wiper controls

Dimensions

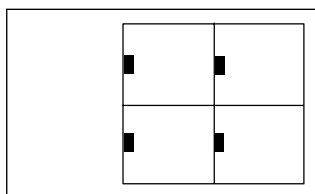


MOUNTING HOLES
(BOTTOM VIEW)



TERMINAL ARRANGEMENT/
INTERNAL CONNECTIONS
(BOTTOM VIEW)

- Omron PCB relays may be mounted in any convenient location that is dry and not exposed to excessive dust, SO₂, H₂S or organic gases.
- 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.
- If several relays are mounted on a single PCB the relays can be mounted directly next to each other in any orientation.



Cat. No. K906-E2-01 In the interest of product improvement, specifications are subject to change without notice.

OMRON

LEADERS IN ELECTRONIC COMPONENTS

OMRON Electronic Ltd.

1, Apsley Way,
Staples Corner,
London NW2 7HF
Phone:(0181) 450 4646 Fax:(0181) 450 8087