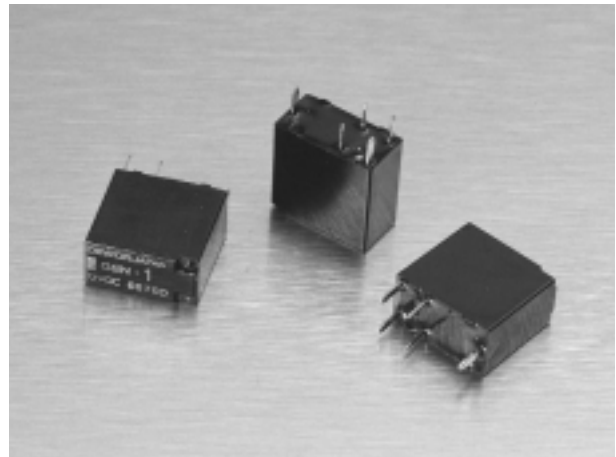


Ultra-Miniature Automotive PCB Relay

- 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 |

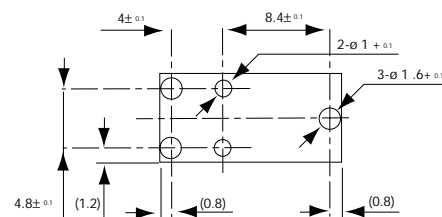
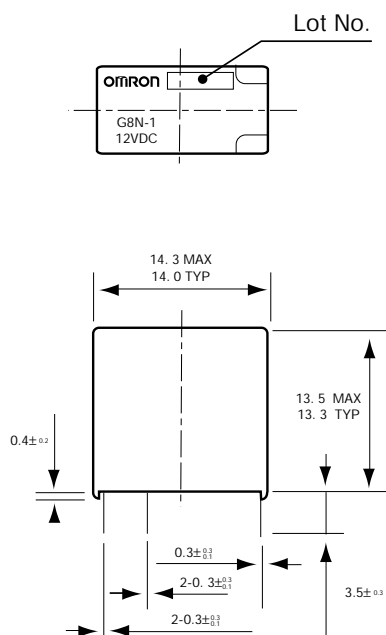
Specifications

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

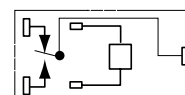
Application Examples

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

Dimensions

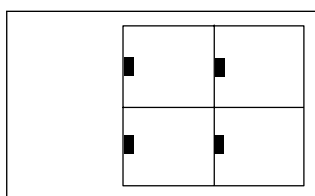


MOUNTING HOLES
(BOTTOM VIEW)



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, SO_2 , H_2S 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. C-G8N-001 In the interest of product improvement, specifications are subject to change without notice.

OMRON

LEADERS IN ELECTRONIC COMPONENTS

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