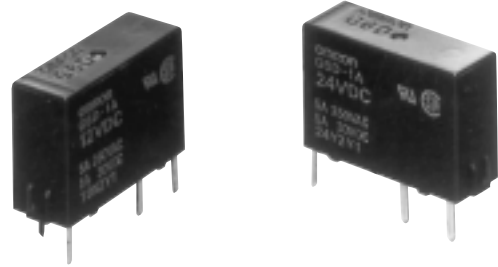


- Reduced board space ideal for high-density mounting (45% smaller than the surface area of G6B)
- Slim package: measures 6.5 W x 17.5 L x 12.5 H mm (0.26 x 0.69 x 0.49 in)
- Switches loads up to 5 A, 250 VAC/30 VDC
- Fully sealed construction allows automatic soldering and cleaning
- Long service life: up to 300,000 operations with a 2 A, 250 VAC/30 VDC load
- Rated for D150 pilot duty by UL, CSA
- Optional mounting socket simplifies relay installation and servicing of finished equipment



Ordering Information

To Order: Select the part number and add the desired coil voltage rating, (e.g., G6D-1A-DC12).

Type	Contact form	Terminal	Construction	Part number
Standard	SPST-NO	PCB	Fully sealed	G6D-1A

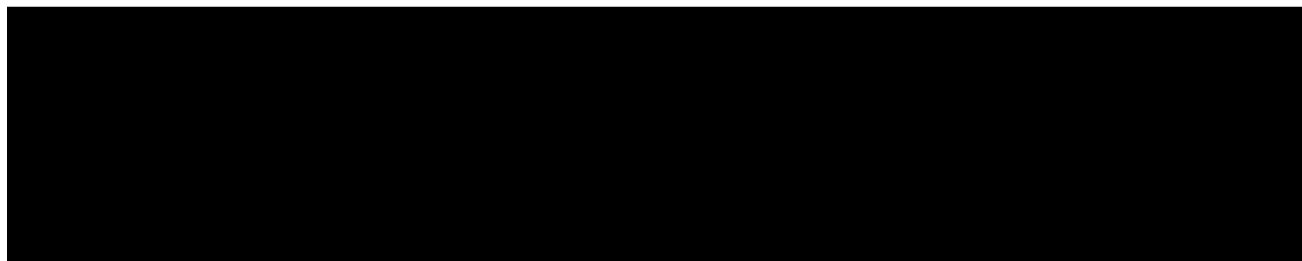
ACCESSORIES

Connecting Socket



Specifications

CONTACT DATA

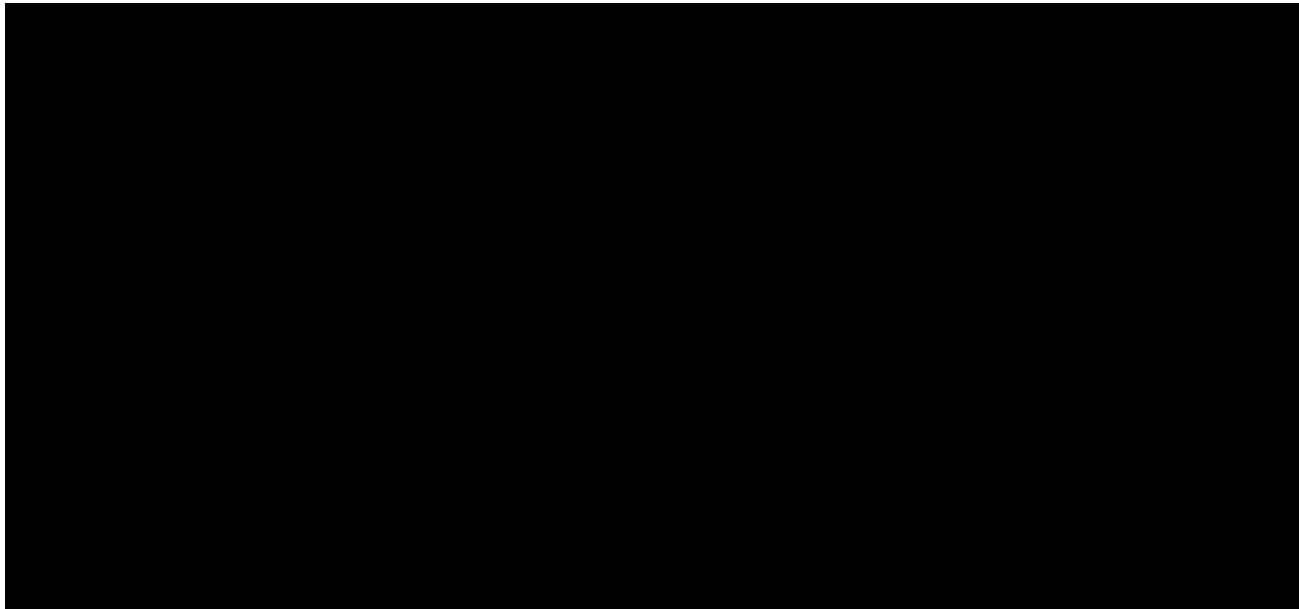


■ COIL DATA

Rated voltage (VDC)	Rated current (mA)	Coil resistance (Ω)	Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption (mW)
			% of rated voltage			
5	40	125	70% max.	10% min.	130% at 70°C (158°F)	Approx. 200
12	16.7	720				
24	8.3	2,880				

- Note:
1. The rated current and coil resistance are measured at a coil temperature of 23°C (73°F) with a tolerance of $\pm 10\%$.
 2. Operating characteristics are measured at a coil temperature of 23°C (73°F).
 3. The pick-up voltage is 75% or less of rated voltage if the relay is mounted upside down.

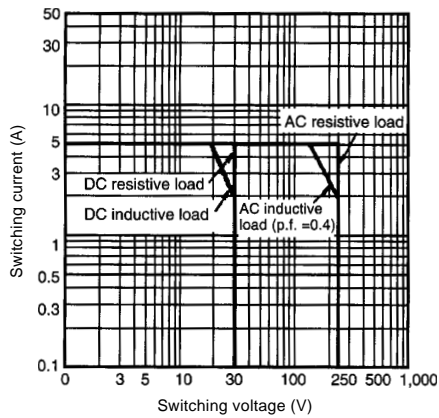
■ CHARACTERISTICS



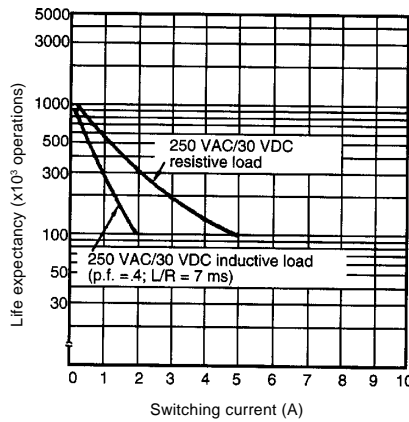
Note: Data shown are of initial value.

■ CHARACTERISTIC DATA

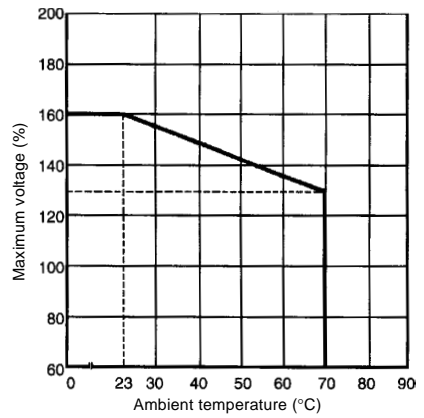
Maximum switching capacity



Life expectancy



Ambient temperature vs. maximum voltage

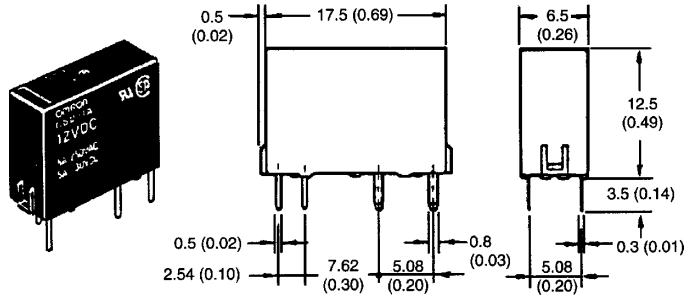


Dimensions

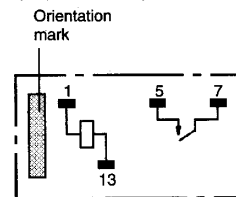
Unit: mm (inch)

■ RELAYS

G6D-1A

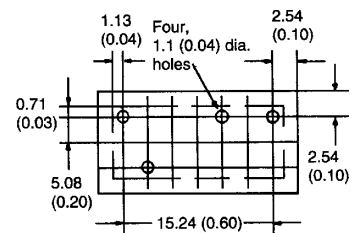


Terminal arrangement/ Internal connections (Bottom view)



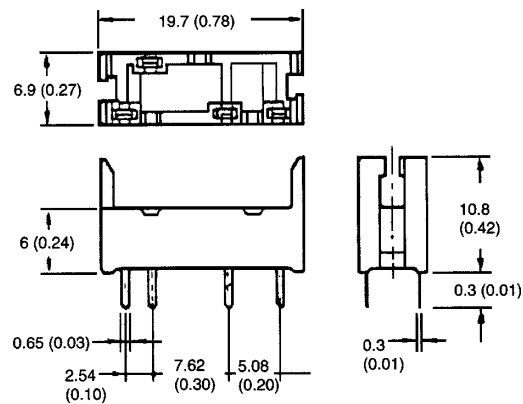
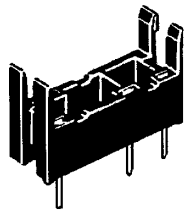
Mounting holes (Bottom view)

Tolerance: ± 0.1 (0.04)



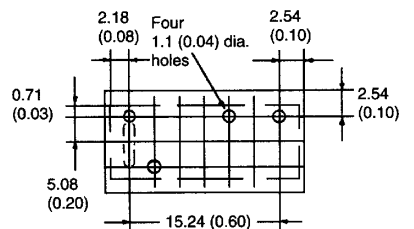
■ SOCKET

P6D-04P



Mounting holes (Bottom view)

Tolerance: ± 0.1 (0.04)



■ APPROVALS

UL (File No. E41515)/CSA (File No. LR31928)

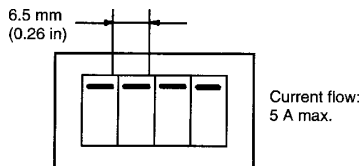
Type	Contact form	Coil ratings	Contact ratings
G6D-1A	SPST-NO	5 to 24 VDC	5 A, 250 VAC (Resistive)
			5 A, 30 VDC (Resistive)
			1/10 HP, 120 VAC
			D150 Pilot Duty

- Note: 1. The rated values approved by each of the safety standards (e.g., UL, CSA, TUV) may be different from the performance characteristics individually defined in this catalog.
 2. In the interest of product improvement, specifications are subject to change.

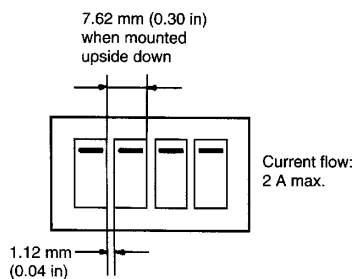
Precautions

■ SPACING BETWEEN RELAYS

More than two relays can be closely mounted right side up as shown in the illustration below.



More than two relays can be closely mounted upside down as shown in the illustration below.



Note: The space between each relay required for heat radiation may vary with operating conditions.

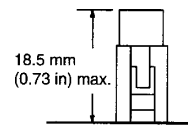
■ SOCKET MOUNTING

When mounting the relay, insert it into the socket as vertically as possible so that the relay terminals contact securely with the contact pins on the socket.

The P6D-04P socket is flux-resistant. Do not wash the socket with water.

Remove the relay from the socket before soldering the socket to a PC board.

Mounting height



NOTE: DIMENSIONS ARE SHOWN IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON

OMRON ELECTRONICS, INC.

One East Commerce Drive
Schaumburg, IL 60173

1-800-55-OMRON

OMRON CANADA, INC.

885 Milner Avenue
Scarborough, Ontario M1B 5V8
416-286-6465