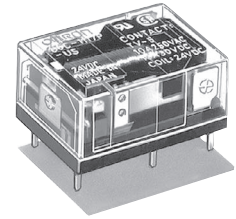
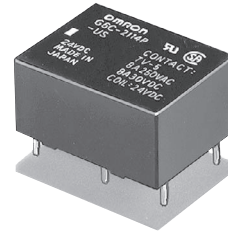


## Miniature High Capacity Relays with SPST-NO 10A and SPST-NO + SPST-NC 8A



- SPST-NO 10A and SPST-NO + SPST-NC 8A for power switching and output that satisfy the needs for space-saving.
- Small High-capacity Relays Compact: 20 × 15 × 10 mm (L × W × H).
- Low power consumption: 200 mW.
- Ultrasonically cleanable models is available.
- Exclusive P6C model for sockets is now available.



**RoHS Compliant**

### Model Number Legend

G6C-  -          -  -  -  -    
           1  2  3  4  5  6      7  8      9  10

#### 1. Relay Function

- None: Single-side stable
- U : Single-winding latching
- K : Double-winding latching

#### 2. Number of poles

- 1: 1-pole/SPST-NO (1a)
- 2: 2-pole/SPST-NO (1a) + SPST-NC (1b)

#### 3. Contact Form

- 1: SPST-NO (1a)

#### 4. Contact Type

- 1: Single

#### 5. Enclosure rating

- 4: Fully sealed
- 7: Flux protection

#### 6. Terminal Shape

- P: PCB terminals
- Socket mounting Terminals

#### 7. Contact Material

- None: Standard (Ag-alloy (Cd free))
- FD : AgSnIn Contacts (Suitable for DC inductive load with high inrush current)

#### 8. Approved Standards

- US: UL/CSA

#### 9. Washability

- None: Standard model (not compatible with ultrasonically cleanable models)
- U : For ultrasonically cleanable

#### 10. Mounting

- None: Mounted directly to PCB
- P6C : Mounted to Socket

### Application Examples

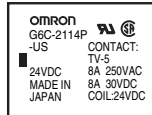
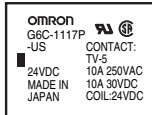
Ideal for output applications of control equipments

## Ordering Information

### Standard Models (UL, CSA certified)

| Enclosure rating | Relay Function<br>Contact form | Single-side stable |                    | Single-winding latching |                    | Double-winding latching |                    | Minimum packing unit |        |
|------------------|--------------------------------|--------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------|----------------------|--------|
|                  |                                | Model              | Rated coil voltage | Model                   | Rated coil voltage | Model                   | Rated coil voltage |                      |        |
| Flux protection  | SPST-NO (1a)                   | G6C-1117P-US       | 3 VDC              | G6CU-1117P-US           | 3 VDC              | G6CK-1117P-US           | 3 VDC              | 100 pcs/tray         |        |
|                  |                                |                    | 5 VDC              |                         | 5 VDC              |                         | 5 VDC              |                      |        |
|                  |                                |                    | 6 VDC              |                         | –                  |                         | 6 VDC              |                      |        |
|                  |                                |                    | 12 VDC             |                         | 12 VDC             |                         | 12 VDC             |                      |        |
|                  | SPST-NO (1a) + SPST-NC (1b)    | G6C-2117P-US       | G6CU-2117P-US      | 24 VDC                  | G6CK-2117P-US      | G6CK-2117P-US           | 24 VDC             |                      |        |
|                  |                                |                    |                    | 3 VDC                   |                    |                         | 3 VDC              |                      | 3 VDC  |
|                  |                                |                    |                    | 5 VDC                   |                    |                         | 5 VDC              |                      | 5 VDC  |
|                  |                                |                    |                    | 6 VDC                   |                    |                         | 6 VDC              |                      | 6 VDC  |
| Fully sealed     | SPST-NO (1a)                   | G6C-1114P-US       | 12 VDC             | G6CU-1114P-US           | G6CK-1114P-US      | 12 VDC                  | 100 pcs/tray       |                      |        |
|                  |                                |                    | 24 VDC             |                         |                    | 24 VDC                  |                    | 24 VDC               |        |
|                  |                                |                    | 3 VDC              |                         |                    | 3 VDC                   |                    | 3 VDC                |        |
|                  |                                |                    | 5 VDC              |                         |                    | 5 VDC                   |                    | 5 VDC                |        |
|                  | SPST-NO (1a) + SPST-NC (1b)    | G6C-2114P-US       | G6CU-2114P-US      | 6 VDC                   | G6CK-2114P-US      | G6CK-2114P-US           |                    | 6 VDC                |        |
|                  |                                |                    |                    | 12 VDC                  |                    |                         |                    | 12 VDC               | 12 VDC |
|                  |                                |                    |                    | 24 VDC                  |                    |                         |                    | 24 VDC               | 24 VDC |
|                  |                                |                    |                    | 3 VDC                   |                    |                         |                    | 3 VDC                | 3 VDC  |

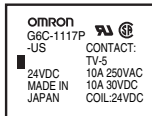
Note. Products with UL/CSA certification marks will be supplied for orders of standard models (-US models).



### Ultrasonically Cleanable Models (UL, CSA certified)

| Enclosure rating | Relay Function<br>Contact form | Single-side stable |                    | Single-winding latching |                    | Double-winding latching |                    | Minimum packing unit |       |
|------------------|--------------------------------|--------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------|----------------------|-------|
|                  |                                | Model              | Rated coil voltage | Model                   | Rated coil voltage | Model                   | Rated coil voltage |                      |       |
| Fully sealed     | SPST-NO (1a)                   | G6C-1114P-US-U     | 3 VDC              | G6CU-1114P-US           | –                  | G6CK-1114P-US           | –                  | 100 pcs/tray         |       |
|                  |                                |                    | 5 VDC              |                         | 5 VDC              |                         | 5 VDC              |                      |       |
|                  |                                |                    | 6 VDC              |                         | –                  |                         | –                  |                      |       |
|                  |                                |                    | 12 VDC             |                         | 12 VDC             |                         | 12 VDC             |                      |       |
|                  | SPST-NO (1a) + SPST-NC (1b)    | G6C-2114P-US-U     | G6CU-2114P-US      | 24 VDC                  | G6CK-2114P-US      | G6CK-2114P-US           | 24 VDC             |                      |       |
|                  |                                |                    |                    | –                       |                    |                         | –                  |                      | –     |
|                  |                                |                    |                    | 5 VDC                   |                    |                         | 5 VDC              |                      | 5 VDC |
|                  |                                |                    |                    | –                       |                    |                         | –                  |                      | –     |
|                  |                                |                    | 12 VDC             |                         |                    | 12 VDC                  |                    |                      |       |
|                  |                                |                    | –                  |                         |                    | –                       | –                  |                      |       |
|                  |                                |                    | 24 VDC             |                         |                    | 24 VDC                  | 24 VDC             |                      |       |
|                  |                                |                    | –                  |                         |                    | –                       | –                  |                      |       |

Note. Products with UL/CSA certification marks will be supplied for orders of standard models (-US models).



### Connecting Sockets (Sold Separately)

| Applicable relays  | Model   | Minimum packing unit |
|--|---------|----------------------|
| G6C-2114P-US-P6C<br>G6C-2117P-US-P6C<br>G6C-1114P-US-P6C<br>G6C-1117P-US-P6C<br>G6CU-2114P-US-P6C<br>G6CU-2117P-US-P6C<br>G6CU-1114P-US-P6C<br>G6CU-1117P-US-P6C | P6C-06P | 20 pcs/tube          |
| G6CK-2114P-US-P6C<br>G6CK-2117P-US-P6C<br>G6CK-1114P-US-P6C<br>G6CK-1117P-US-P6C   | P6C-08P |                      |
| Removal Tool   | P6B-Y1  | 1                    |
| Hold-down Clips  | P6B-C2  |                      |

Note 1. Use the G6C-□□□□P-US-P6C to mount to a P6C Socket.  
2. When using by combining sockets, the rated current will be 5A due to its rated switching current.

## ■ Ratings

### Coil: 1-Pole, Single-side Stable Type (Including models for ultrasonically cleanable)

| Item          | Rated current (mA) | Coil resistance (Ω) | Must operate voltage (V) | Must release voltage (V) | Max. voltage (V) | Power consumption (mW) |
|---------------|--------------------|---------------------|--------------------------|--------------------------|------------------|------------------------|
| Rated voltage |                    |                     | % of rated voltage       |                          |                  |                        |
| 3 VDC         | 67                 | 45                  | 70% max.                 | 10% min.                 | 160% (at 23°C)   | Approx. 200            |
| 5 VDC         | 40                 | 125                 |                          |                          |                  |                        |
| 6 VDC         | 33.3               | 180                 |                          |                          |                  |                        |
| 12 VDC        | 16.7               | 720                 |                          |                          |                  |                        |
| 24 VDC        | 8.3                | 2,880               |                          |                          |                  |                        |

### Coil: Single-winding Latching Type (Including models for ultrasonically cleanable)

| Item          | Rated current (mA) | Coil resistance (Ω) | Must set voltage (V) | Must reset voltage (V) | Max. voltage (V) | Power consumption |                 |
|---------------|--------------------|---------------------|----------------------|------------------------|------------------|-------------------|-----------------|
|               |                    |                     |                      |                        |                  | Set coil (mW)     | Reset coil (mW) |
| Rated voltage |                    |                     | % of rated voltage   |                        |                  |                   |                 |
| 3 VDC         | 67                 | 45                  | 70% max.             | 70% max.               | 160% (at 23°C)   | 200               | 200             |
| 5 VDC         | 40                 | 125                 |                      |                        |                  |                   |                 |
| 6 VDC         | 33.3               | 180                 |                      |                        |                  |                   |                 |
| 12 VDC        | 16.7               | 720                 |                      |                        |                  |                   |                 |
| 24 VDC        | 8.3                | 2,880               |                      |                        |                  |                   |                 |

### Coil: Double-winding Latching Type (Including models for ultrasonically cleanable)

| Item          | Rated current (mA) |            | Coil resistance (Ω) |            | Must set voltage (V) | Must reset voltage (V) | Max. voltage (V) | Power consumption |                 |
|---------------|--------------------|------------|---------------------|------------|----------------------|------------------------|------------------|-------------------|-----------------|
|               | Set coil           | Reset coil | Set coil            | Reset coil |                      |                        |                  | Set coil (mW)     | Reset coil (mW) |
| Rated voltage |                    |            | % of rated voltage  |            |                      |                        |                  |                   |                 |
| 3 VDC         | 93.5               | 93.5       | 32.1                | 32.1       | 70% max.             | 70% max.               | 130% (at 23°C)   | 280               | 280             |
| 5 VDC         | 56.0               | 56.0       | 89.3                | 89.3       |                      |                        |                  |                   |                 |
| 6 VDC         | 46.7               | 46.7       | 129                 | 129        |                      |                        |                  |                   |                 |
| 12 VDC        | 23.3               | 23.3       | 514                 | 514        |                      |                        |                  |                   |                 |
| 24 VDC        | 11.7               | 11.7       | 2,056               | 2,056      |                      |                        |                  |                   |                 |

Note 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

2. The operating characteristics are measured at a coil temperature of 23°C.

3. The "Max. voltage" is the maximum voltage that can be applied to the relay coil.

## Contact

| Contact Form           | SPST-NO (1a)                                   |   | SPST-NO (1a) + SPST-NC (1b)                 |   |
|------------------------|--|---|---|---|
|                        | Resistive load                                 | Inductive load (cosφ = 0.4; L/R = 7 ms)     | Resistive load                              | Inductive load (cosφ = 0.4; L/R = 7 ms)             |
| Rated load             | 10 A (8 A) at 250 VAC<br>10 A (10 A) at 30 VDC | 5 A (5 A) at 250 VAC<br>5 A (5 A) at 30 VDC | 8 A (8 A) at 250 VAC<br>8 A (8 A) at 30 VDC | 3.5 A (3.5 A) at 250 VAC<br>3.5 A (3.5 A) at 30 VDC |
| Item                   |  |   |   |   |
| Contact type           | Single   |   |   |   |
| Contact material       | Ag-Alloy (Cd free)                             |   |   |   |
| Rated carry current    | 10 A (10 A)                                    |   | 8 A (8 A)                                   |   |
| Max. switching voltage | 380 VAC, 125 VDC                               |   |   |   |
| Max. switching current | 10 A (10 A)                                    |   | 8 A (8 A)                                   |   |

Note. The values shown in parentheses ( ) are for -FD models only.

## Characteristics (Including models for ultrasonically cleanable)

| Item  | Classification                         | Single-side Stable  | Single-winding Latching | Double-winding Latching  |
|---|--|---|-------------------------|--------------------------|
| Contact resistance *1                       |  | 30 mΩ max.  |                         |                          |
| Operate (set) time                          |  | 10 ms max.  |                         |                          |
| Release (reset) time                        |  | 10 ms max.  |                         |                          |
| Min. set pulse width                        |  | -   | 20 ms (at 23°C)         |                          |
| Min. reset pulse width                      |  | -   | 20 ms (at 23°C)         |                          |
| Insulation resistance *2                    | Between coil and contacts              | 1,000 mΩ min.   |                         |                          |
|   | Between contacts of the same polarity  | 1,000 mΩ min.   |                         |                          |
|   | Between contacts of different polarity | 1,000 mΩ min. (SPST-NO, SPST-NC)                                      |                         |                          |
|   | Between set and reset coils            | -   | -                       | 1,000 mΩ min.            |
| Dielectric strength                         | Between coil and contacts              | 2,000 VAC 50/60Hz for 1min  |                         |                          |
|   | Between contacts of the same polarity  | 1,000 VAC 50/60Hz for 1min  |                         |                          |
|   | Between contacts of different polarity | 2,000 VAC 50/60Hz for 1min (SPST-NO, SPST-NC)                         |                         |                          |
|   | Between set and reset coils            | -   | -                       | 250 VAC 50/60Hz for 1min |
| Vibration resistance                        | Destruction                            | 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) |                         |                          |
|   | Malfunction                            | 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) |                         |                          |
| Shock resistance                            | Destruction                            | 1,000 m/s <sup>2</sup>  |                         |                          |
|   | Malfunction                            | 100 m/s <sup>2</sup>  |                         |                          |
| Durability                                  | Mechanical                             | 50,000,000 operations min. (at 18,000 operations/hr)                  |                         |                          |
|   | Electrical                             | 100,000 operation min. (at 1,800 operations/hr under rated load)      |                         |                          |
| Failure rate (P level) (reference value) *3 |  | 10 mA at 5 VDC  |                         |                          |
| Ambient operating temperature               |  | -25°C to 70°C (with no icing or condensation)                         |                         |                          |
| Ambient operating humidity                  |  | 5% to 85%   |                         |                          |
| Weight                                      |  | Approx. 5.6 g   |                         |                          |

Note. The given values are initial values.

\*1. Measurement conditions: 5 VDC, 1 A, voltage drop method.

\*2. Testing conditions: measured with a 500 VDC megohmmeter (at 250 VDC between set/reset coil).

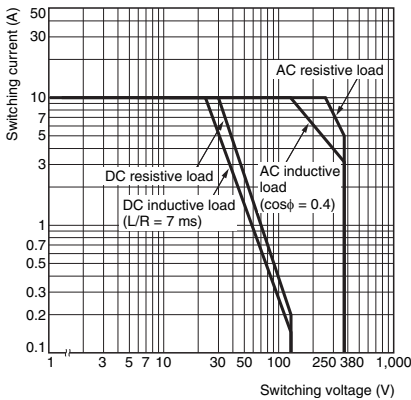
\*3. This value was measured at a switching frequency of 120 operations/min.

## Engineering Data

### Maximum Switching Capacity

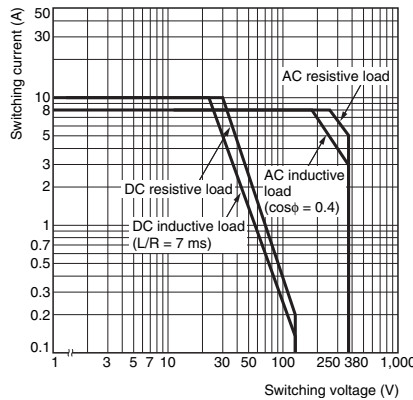
G6C-1114P-US

G6C-1117P-US



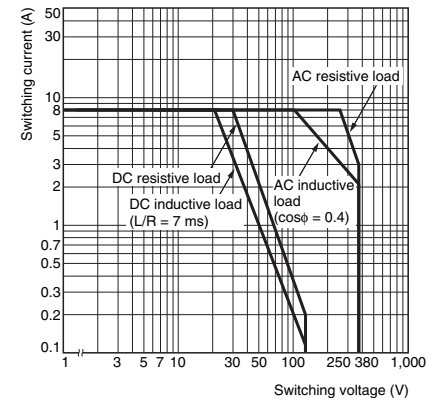
G6C-1114P-FD-US

G6C-1117P-FD-US



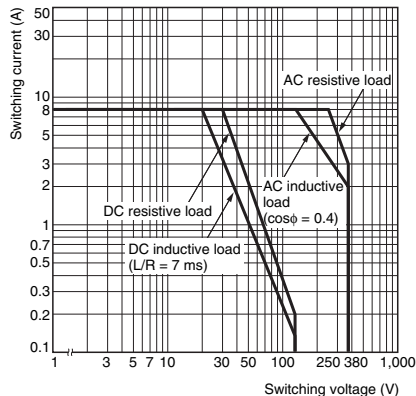
G6C-2114P-US

G6C-2117P-US



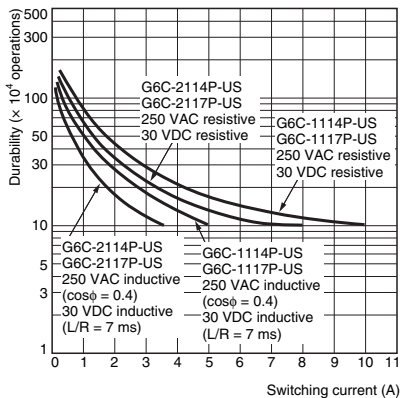
G6C-2114P-FD-US

G6C-2117P-FD-US

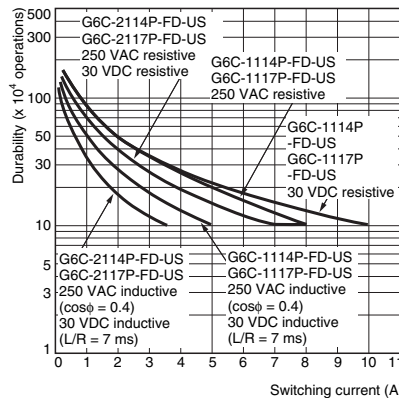


## ● Durability

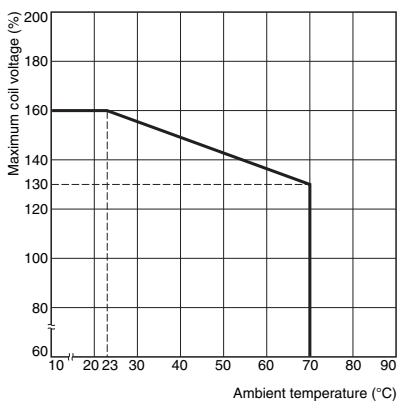
G6C-1114P-US, G6C-2114P-US  
G6C-1117P-US, G6C-2117P-US



G6C-1114P-FD-US, G6C-2114P-FD-US  
G6C-1117P-FD-US, G6C-2117P-FD-US

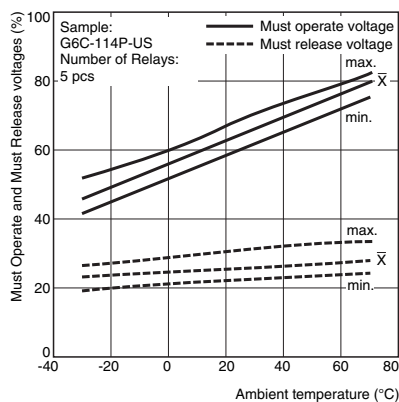


## ● Ambient Temperature vs. Maximum Coil Voltage

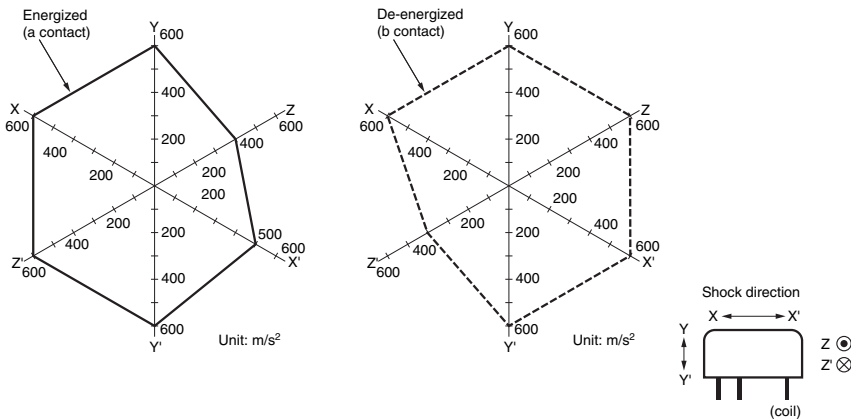


Note. The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

## ● Ambient Temperature vs Must Operate and Must Release voltages

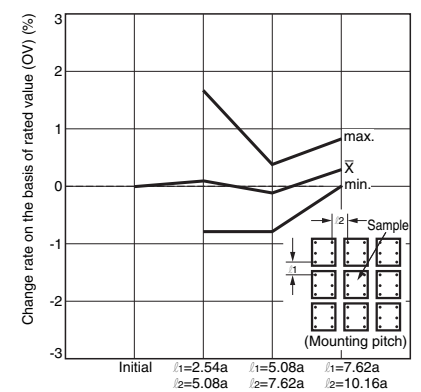


## ● Shock Malfunction



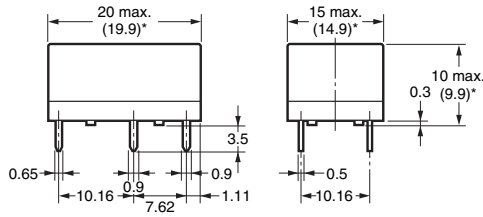
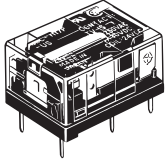
Sample: G6C-2114P-US DC24V  
Number of Relays: 6 pcs  
Test conditions: Shock is applied in ±X, ±Y, and ±Z directions three times each with without energizing the Relays to check the number of malfunctions.  
Requirement: 100 m/s<sup>2</sup>

## Magnetic Interference (between Relays)



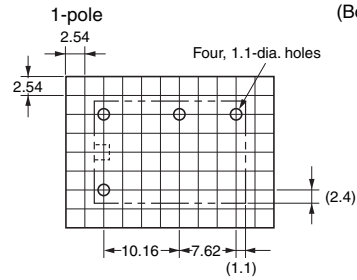
## ■ Dimensions

### Flux Protection Model G6C-□117P-US

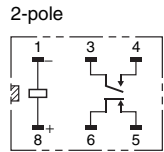
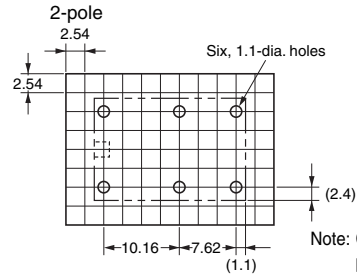
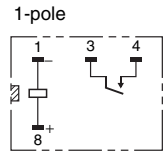


\* Average value

### PCB Mounting Holes (Bottom View) Tolerance: $\pm 0.1$



### Terminal Arrangement/ Internal Connections (Bottom View)

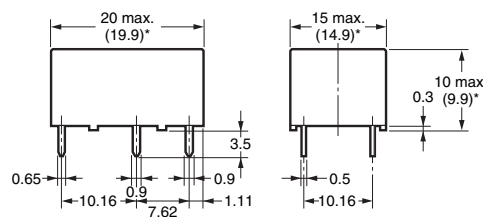
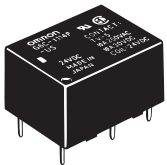


Note: Check carefully the coil polarity of the Relay.

Note: Orientation mark is indicated as follows:

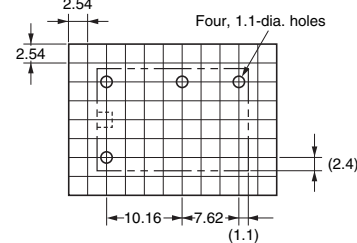
G  
6  
C

### Fully Sealed Model G6C-□114P-US

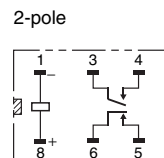
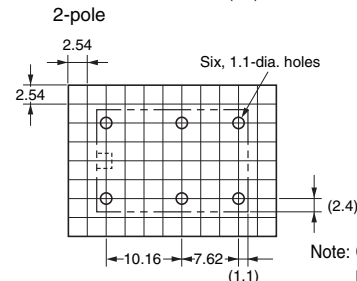
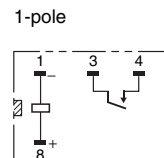


\* Average value

### PCB Mounting Holes (Bottom View) Tolerance: $\pm 0.1$

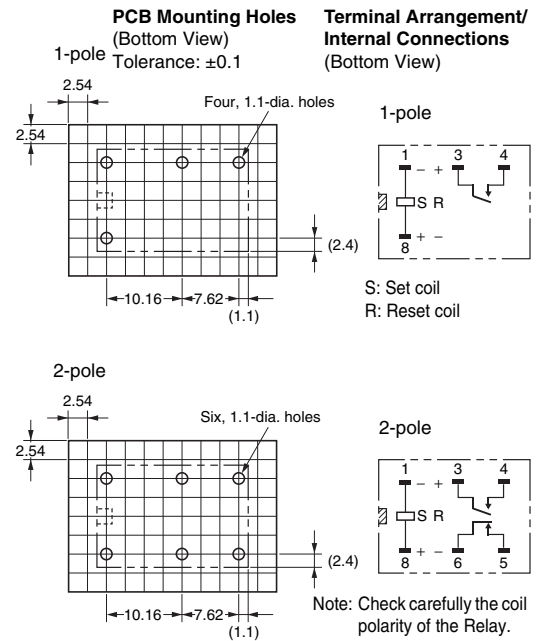
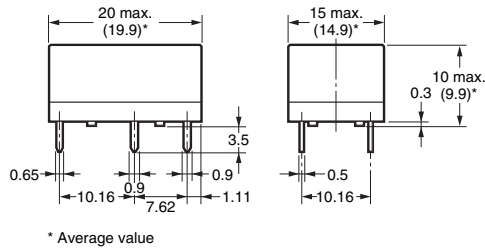
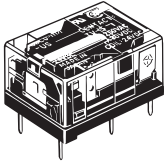


### Terminal Arrangement/ Internal Connections (Bottom View)

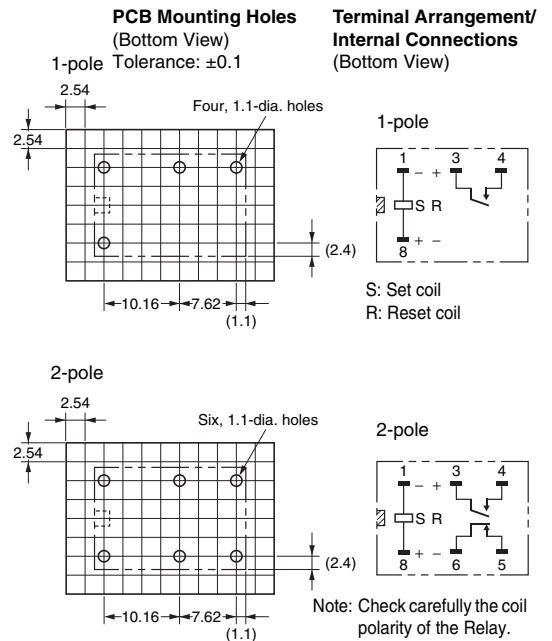
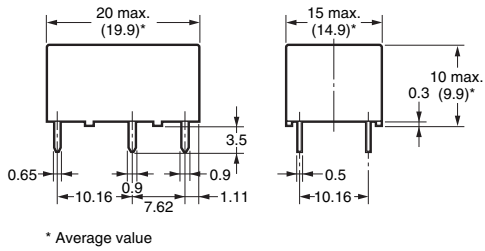
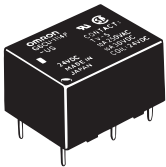


Note: Check carefully the coil polarity of the Relay.

## Flux Protective Single-winding Latching Model G6CU-□117P-US

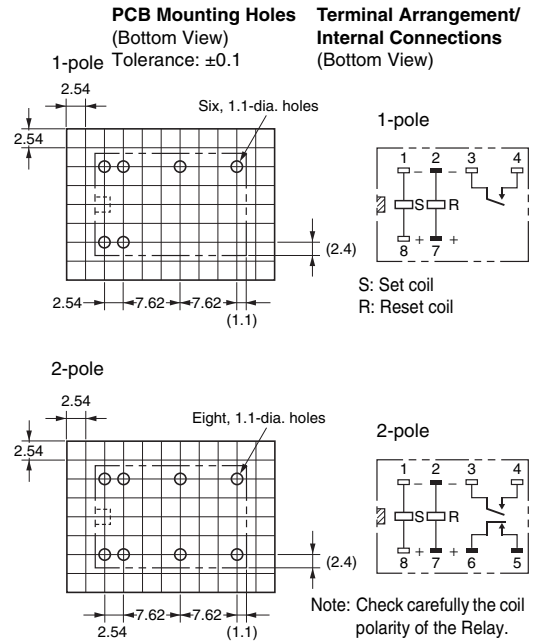
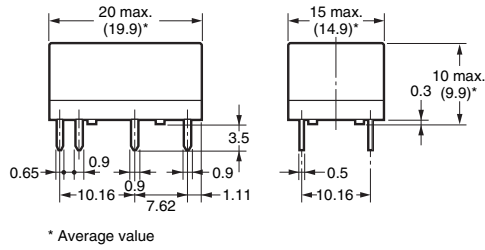
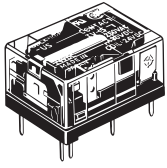


## Fully Sealed Model Single Latching Models G6CU-□114P-US



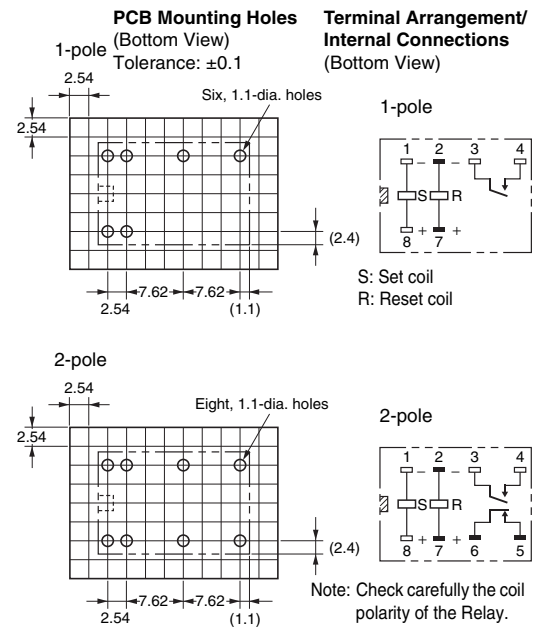
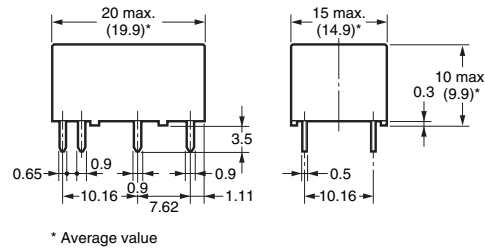
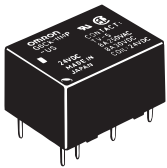
Note: Orientation marks are indicated as follows: □ ▨

**Flux Protective  
Double-winding Latching Model  
G6CK-□117P-US**



**Fully Sealed  
Double-winding Latching Model  
G6CK-□114P-US**

G  
6  
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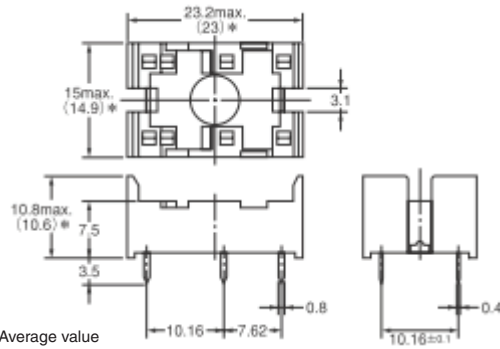
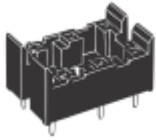




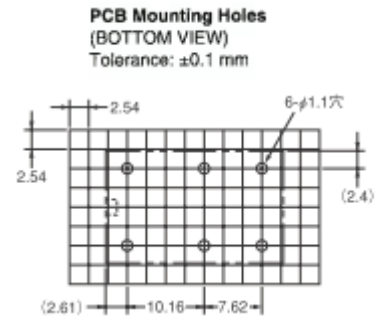
## ■Connecting Sockets Dimensions

### Socket for single-winding latching/single-side a table Models

P6C-06P

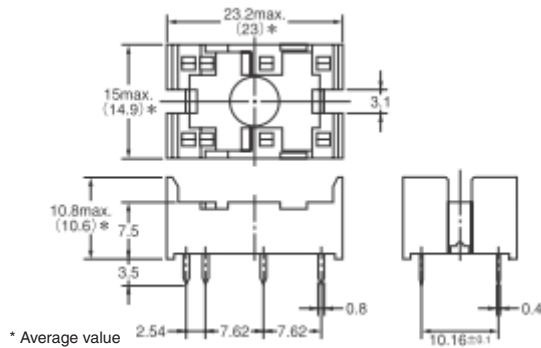
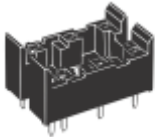


\* Average value

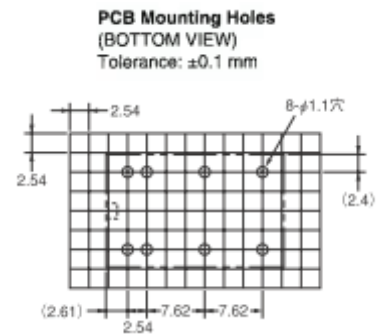


### Socket for double-winding latching Models

P6C-08P



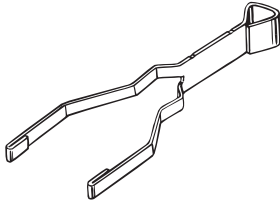
\* Average value



Note: Orientation marks are indicated as follows: □ ▣

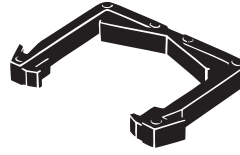
## ■Removal Tool

P6B-Y1



## ■Hold-down Clips

P6B-C2



## ■Approved Standards

●The rated values approved by each of the safety standards may be different from the performance characteristics individually defined in this catalog.

**UL Recognized**  (File No. E41643)

| Model   | Number of poles | Coil ratings | Contact ratings                             | Number of test operations |
|---------|-----------------|--------------|---|---------------------------|
| G6C ( ) | 1               | 3 to 60 VDC  | 10 A, 250 VAC 80°C                          | 6,000                     |
|         |                 |              | 10 A, 30 VDC 80°C                           |                           |
|         |                 |              | 1/6 HP 250 VAC, 1/4 HP, 125 VAC 80°C        |                           |
|         | 2               |              | 1/3 HP 250 VAC, 1/4 HP, 250 VAC 80°C        | 6,000                     |
|         |                 |              | 600 W, 120 VAC, (Tungsten) 80°C             |                           |
|         |                 |              | 530 VA, 20~265 VAC Max 2A (Pilot Duty) 80°C |                           |
| G6C ( ) | 1               | 3 to 60 VDC  | 43.2 VA, 30 VDC (Pilot Duty) 80°C           | 30,000                    |
|         |                 |              | 12 LRA, 2.2 FLA 30 VDC 80°C                 |                           |
|         |                 |              | 8 A, 250 VAC 80°C                           |                           |
|         | 2               |              | 8 A, 30 VDC 80°C                            | 30,000                    |
|         |                 |              | 1/6 HP, 125 VAC, 1/4 HP, 125 VAC 80°C       |                           |
|         |                 |              | 1/4 HP, 250 VAC 80°C                        |                           |
| G6C ( ) | 2               | 3 to 60 VDC  | 600 W, 120 VAC (Tungsten) 80°C              | 6,000                     |
|         |                 |              | 530 VA, 20~265 VAC Max 2A (Pilot Duty) 80°C |                           |
|         |                 |              | 43.2 VA, 30 VDC (Pilot Duty) 80°C           |                           |
| G6C ( ) | 2               | 3 to 60 VDC  | 12 LRA, 2.2 FLA, 30 VDC 80°C                | 30,000                    |

**CSA Certified**  (File No. LR31928)

| Model   | Number of poles | Coil ratings | Contact ratings                             | Number of test operations |
|---------|-----------------|--------------|---|---------------------------|
| G6C ( ) | 1               | 3 to 60 VDC  | 10 A, 250 VAC 80°C                          | 6,000                     |
|         |                 |              | 10 A, 30 VDC 80°C                           |                           |
|         |                 |              | 1/6 HP 125 VAC, 1/4 HP, 125 VAC 80°C        |                           |
|         | 2               |              | 1/3 HP 250 VAC, 1/4 HP, 250 VAC 80°C        | 6,000                     |
|         |                 |              | 600 W, 120 VAC, (Tungsten) 80°C             |                           |
|         |                 |              | 530 VA, 20~265 VAC Max 2A (Pilot Duty) 80°C |                           |
| G6C ( ) | 1               | 3 to 60 VDC  | 43.2 VA, 30 VDC (Pilot Duty) 80°C           | 6,000                     |
|         |                 |              | 8 A, 250 VAC 80°C                           |                           |
|         |                 |              | 8 A, 30 VDC 80°C                            |                           |
|         | 2               |              | 1/6 HP, 125 VAC, 1/4 HP, 125 VAC 80°C       | 6,000                     |
|         |                 |              | 1/4 HP, 250 VAC 80°C                        |                           |
|         |                 |              | 600 W, 120 VAC (Tungsten) 80°C              |                           |
| G6C ( ) | 2               | 3 to 60 VDC  | 530 VA, 20~265 VAC Max 2A (Pilot Duty) 80°C | 6,000                     |
|         |                 |              | 43.2 VA, 30 VDC (Pilot Duty) 80°C           |                           |

**EN/IEC, VDE Certified**  (Certificate No. 40014439)

| Model   | Number of poles | Coil ratings                            | Contact ratings  | Approved switching operations |
|---------|-----------------|---|--|-------------------------------|
| G6C ( ) | 1               | 3, 5, 6, 12, 24 VDC                     | 10 A, 250 VAC (cosφ = 1) 40°C<br>5 A, 250 VAC (cosφ = 0.4) 40°C  | 20,000                        |
|         | 2               | • Single-stable:<br>3, 5, 6, 12, 24 VDC | 7 A, 250 VAC (cosφ = 1) 40°C<br>3.5 A, 250 VAC (cosφ = 0.4) 40°C |                               |

**EN/IEC, TÜV Certified** (Registration No. R50158249)

| Model   | Number of poles | Coil ratings                    | Contact ratings   | Approved switching operations |
|---------|-----------------|---------------------------------|---|-------------------------------|
| G6C ( ) | 1               | • Single-stable:<br>3 to 48 VDC | 10 A, 250 VAC (cosφ = 1) 40°C<br>5 A, 250 VAC (cosφ = 0.4) 40°C<br>10 A, 30 VDC (L/R = 0 ms) 40°C | 20,000                        |
|         | 2               | • Latching:<br>3 to 24 VDC      | 8 A, 250 VAC (cosφ = 1) 40°C<br>3.5 A, 250 VAC (cosφ = 0.4) 40°C<br>8 A, 30 VDC (L/R = 0 ms) 40°C |                               |

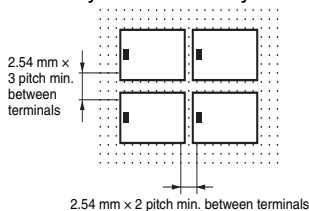
## Precautions

Please refer to "PCB Relays Common Precautions" for correct use.

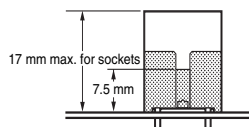
### Correct Use

#### Mounting

- Do not reverse the polarity of the coil (+, -).
- When mounting more than two relays side by side, keep the gap between Relays as shown below to ensure a good heat dissipation. It may result in malfunction if heat is not dissipated smoothly from the Relay.



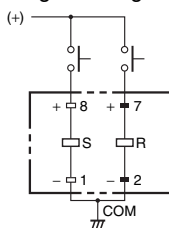
#### Sockets



- When mounting the Relay, make sure to insert the Relay terminals perpendicularly and correctly into the socket contact pin.
- Hold-down clips (for mounting and removal) are also available.
- The P6C model has a flux-resistant construction. Do not wash it down with water.
- The max. carry current of sockets is 5A.

#### Double-winding Latching Circuit

- It is recommended to perform wiring of No.1 and No.2 of the negative (-) terminal as COM wiring, in order to improve the operation stability for Double-winding Latching.



#### Using SPDT contact of the SPST-NO+SPST-NC Relay

- Do not construct a circuit so that overcurrent and burning occur if the NO, NC and SPDT contacts are short-circuited with the SPST-NO+SPST-NC Relay. Arcing may generate short-circuiting between contacts if there is short-circuiting because of conversion to the MBB contact caused by asynchronous operation of the NO and NC contacts, the interval between the NO and NC contacts is small, or a large current is left open.
- #### Other precautions
- This Relay is a Power Relay which is suitable for power load switching. Do not use the G6C for signal purposes such as micro load switching under 10 mA.

Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.  
 Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.

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