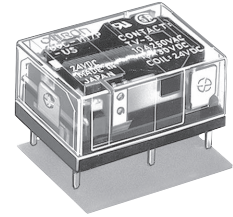
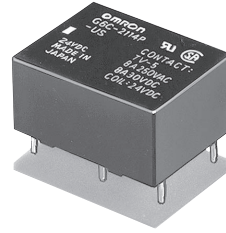


# G6C

PCB Power Relay

## 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

#### 1. Relay Function

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

#### 2. Contact Form

- 11: SPST-NO (1a)
- 21: SPST-NO (1a) + SPST-NC (1b)

#### 3. Contact Type

- 1: Single

#### 4. Enclosure rating

- 4: Fully sealed
- 7: Flux protection

#### 5. Terminal Shape

- P: PCB terminals
- : Socket mounting Terminals
- C: Self-clinching PCB

#### 6. Contact Material

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

#### 7. Approved Standards

- US: UL/CSA

#### 8. Washability

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

#### 9. Mounting

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

### Application Examples

Ideal for output applications of control equipments

G  
6  
C

## Ordering Information

### Standard Models (UL, CSA certified)

Enclosure rating	Contact form	Relay Function Terminals	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)	Straight PCB	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	
				24 VDC		24 VDC		24 VDC	
				5 VDC		–		–	
		G6C-1117P-FD-US	G6CU-1117P-FD-US	G6CK-1117P-FD-US	12 VDC	12 VDC	12 VDC		
					24 VDC	24 VDC	–		
					3 VDC	–	–		
					5 VDC	–	–		
					12 VDC	–	12 VDC		
					24 VDC	–	24 VDC		
	Self-clinching PCB	G6C-1117C-US	G6CK-1117C-US	3 VDC	–	–			
				5 VDC	–	–			
				12 VDC	–	12 VDC			
				24 VDC	–	24 VDC			
				3 VDC	–	3 VDC			
				5 VDC	–	5 VDC			
	SPST-NO (1a) + SPST-NC (1b)	Straight PCB	G6C-2117P-US	3 VDC	G6CU-2117P-US	3 VDC	G6CK-2117P-US	3 VDC	
				5 VDC		5 VDC		5 VDC	
				6 VDC		6 VDC		6 VDC	
				12 VDC		12 VDC		12 VDC	
				24 VDC		24 VDC		24 VDC	
				5 VDC		–		5 VDC	
G6C-2117P-FD-US		G6CU-2117P-FD-US	G6CK-2117P-FD-US	12 VDC	12 VDC	–			
				24 VDC	24 VDC	24 VDC			
				3 VDC	–	3 VDC			
				5 VDC	–	5 VDC			
				12 VDC	–	12 VDC			
				24 VDC	–	24 VDC			
Self-clinching PCB	G6C-2117C-US	G6CK-2117C-US	3 VDC	–	–				
			5 VDC	–	–				
			6 VDC	–	–				
			12 VDC	–	12 VDC				
			24 VDC	–	24 VDC				
			3 VDC	–	3 VDC				

Enclosure rating	Contact form	Relay Function Terminals	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)	Straight PCB	G6C-1114P-US	3 VDC	G6CU-1114P-US	3 VDC	G6CK-1114P-US	3 VDC	100 pcs/ tray
				5 VDC		5 VDC		5 VDC	
				6 VDC		6 VDC		6 VDC	
				12 VDC		12 VDC		12 VDC	
				24 VDC		24 VDC		24 VDC	
				5 VDC		–		–	
		G6C-1114P-FD-US	G6CU-1114P-FD-US	G6CK-1114P-FD-US	12 VDC	12 VDC	12 VDC		
					24 VDC	24 VDC	–		
					3 VDC	–	3 VDC		
					5 VDC	–	5 VDC		
					12 VDC	–	12 VDC		
					24 VDC	–	24 VDC		
	Self-clinching PCB	G6C-1114C-US	G6CK-1114C-US	3 VDC	–	–			
				5 VDC	–	–			
				12 VDC	–	12 VDC			
				24 VDC	–	24 VDC			
				3 VDC	–	3 VDC			
				5 VDC	–	5 VDC			
	SPST-NO (1a) + SPST-NC (1b)	Straight PCB	G6C-2114P-US	3 VDC	G6CU-2114P-US	3 VDC	G6CK-2114P-US	3 VDC	
				5 VDC		5 VDC		5 VDC	
				6 VDC		6 VDC		6 VDC	
				12 VDC		12 VDC		12 VDC	
				24 VDC		24 VDC		24 VDC	
				5 VDC		–		–	
G6C-2114P-FD-US		G6CU-2114P-FD-US	G6CK-2114P-FD-US	12 VDC	12 VDC	–			
				24 VDC	24 VDC	24 VDC			
				3 VDC	–	–			
				5 VDC	–	–			
				12 VDC	–	12 VDC			
				24 VDC	–	24 VDC			
Self-clinching PCB	G6C-2114C-US	G6CK-2114C-US	3 VDC	–	–				
			5 VDC	–	–				
			6 VDC	–	–				
			12 VDC	–	12 VDC				
			24 VDC	–	24 VDC				
			3 VDC	–	3 VDC				

Note. When ordering, add the rated coil voltage to the model number.

Example: G6C-1117P-US DC3

DC3 — Rated coil voltage

However, the notation of the coil voltage on the product case as well as on the packing will be marked as □□ VDC.