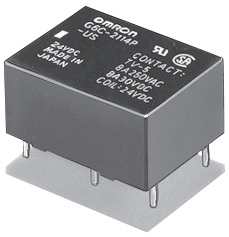
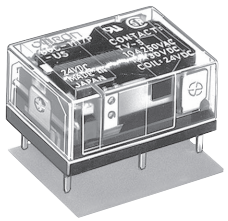
G6C
PCB Power Relay

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

■Ordering Information

●Standard Models (UL, CSA certified)

Enclosure rating	Contact form	Relay Function / Terminals	Single-side stable Model	Single-side stable Rated coil voltage	Single-winding latching Model	Single-winding latching Rated coil voltage	Double-winding latching Model	Double-winding latching Rated coil voltage	Minimun packing unit
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	
			G6C-1117P-FD-US	5 VDC	G6CU-1117P-FD-US	5 VDC	G6CK-1117P-FD-US	–	
				12 VDC		12 VDC		12 VDC	
				24 VDC		24 VDC		–	
		Self-clinching PCB	G6C-1117C-US	3 VDC	–	–	G6CK-1117C-US	–	
				5 VDC		–		–	
				12 VDC		–		12 VDC	
				24 VDC		–		24 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	
			G6C-2117P-FD-US	5 VDC	G6CU-2117P-FD-US	5 VDC	G6CK-2117P-FD-US	5 VDC	
				12 VDC		12 VDC		–	
				24 VDC		24 VDC		24 VDC	
		Self-clinching PCB	G6C-2117C-US	3 VDC	G6CU-2117C-US	–	G6CK-2117C-US	3 VDC	
				5 VDC		5 VDC		5 VDC	
				6 VDC		–		–	
				12 VDC		12 VDC		12 VDC	
				24 VDC		–		24 VDC	

Enclosure rating	Contact form	Relay Function / Terminals	Single-side stable Model	Single-side stable Rated coil voltage	Single-winding latching Model	Single-winding latching Rated coil voltage	Double-winding latching Model	Double-winding latching Rated coil voltage	Minimun packing unit
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	
			G6C-1114P-FD-US	5 VDC	G6CU-1114P-FD-US	5 VDC	G6CK-1114P-FD-US	5 VDC	
				12 VDC		12 VDC		12 VDC	
				24 VDC		24 VDC		24 VDC	
		Self-clinching PCB	G6C-1114C-US	3 VDC	G6CU-1114C-US	–	G6CK-1114C-US	3 VDC	
				5 VDC		–		5 VDC	
				12 VDC		12 VDC		12 VDC	
				24 VDC		–		24 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	
			G6C-2114P-FD-US	5 VDC	G6CU-2114P-FD-US	5 VDC	G6CK-2114P-FD-US	–	
				12 VDC		12 VDC		–	
				24 VDC		24 VDC		24 VDC	
		Self-clinching PCB	G6C-2114C-US	3 VDC	G6CU-2114C-US	–	G6CK-2114C-US	–	
				5 VDC		5 VDC		5 VDC	
				6 VDC		–		6 VDC	
				12 VDC		–		12 VDC	
				24 VDC		–		24 VDC	

Note. When ordering, add the rated coil voltage to the model number.
Example: G6C-1117P-US 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.