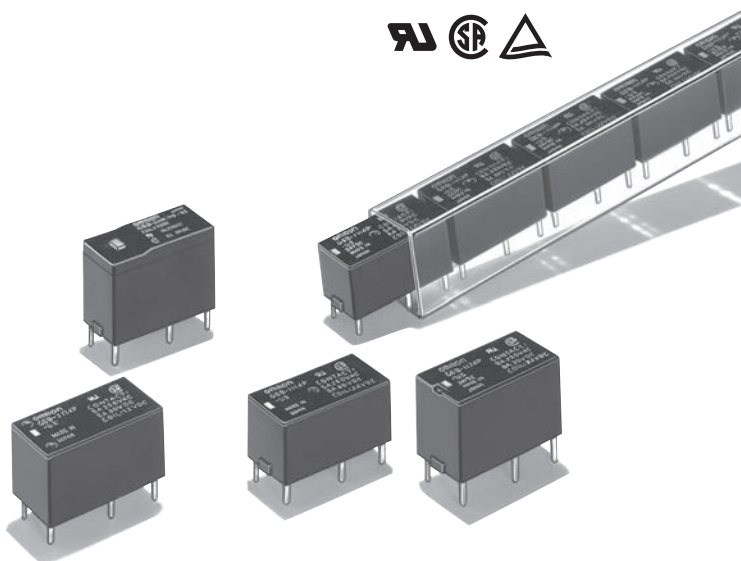


High Capacity and High Dielectric Strength Miniature Relay with Fully Sealed Construction in 5 A (8 A) SPST-NO(1a), SPST-NO+SPST-NC(1a1b), DPST-NO(2a), DPST-NC(2b) Types



- P6B model for connecting sockets are available.
- High insulation with dielectric strength of 3,000VAC between coil and contacts (impulse withstand voltage of 6 kV).
- Standard model conforms to UL/CSA standards.
- AgSnIn contacts suitable for loads that generate surge voltage (inductive load, capacity load, etc.) are available. (-FD type)
- Ultrasonic cleanable models are available. (-U type)
- Operation indicator & built-in surge absorption diode models are available. (-ND type)
- 2-Pole type available.
- High-reliability models are available.

G6B-1184P-US model (The relay used in Terminal Relay G6B-48BND)

RoHS Compliant

Application Examples

- Ideal for output applications of control equipments

Model Number Legend

G6B□-□□□□□-□-□-□-□-□-□
1 2 3 4 5 6 7 8 9 10 11

1. Relay Function

None: Single-side stable
U : Single-winding latching
(G6B□-1114 models only)
K : Double-winding latching
(G6B□-1114 models only)

2. Contact Form

21: SPST-NO + SPST-NC
22: DPST-NO
20: DPST-NC
11: SPST-NO

3. Classification

1: Standard
7: High-capacity
8: Single crossbar

4. Enclosure rating

4: Fully sealed
7: Flux protection

5. Terminal Shape

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

6. Contact material

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

7. Coil Polarity

None: 5, 6 Terminal (+), 1, 2 Terminal (-)
1 : 5, 6 Terminal (-), 1, 2 Terminal (+)

8. Operation Indicator Diode Availability

None: Standard
ND : Operation indicator & coil surge absorption diode
(for -1177 type only)

9. Approved Standards

US: UL/CSA

10. Washability

None: Standard
U : For ultrasonically cleanable

11. Mounting

None: Mounted directly to PCB
P6B : Mounted to Socket

■ Ordering Information

● Standard Models (UL, CSA certified)

Number of poles	Relay Function	Contact form	Contact material Terminals	Standard (Ag-alloy (Cd free))		AgSnIn contact		Minimum packing unit
				Model	Rated coil voltage	Model	Rated coil voltage	
1-pole	Single-side stable	SPST-NO (1a) (Standard)	Straight PCB	G6B-1114P-US	5, 6, 12, 24 VDC	G6B-1114P-FD-US	5, 6, 12, 24 VDC	100 pcs/tray
			Self-clinching PCB	G6B-1114C-US	5, 6, 12, 24 VDC	G6B-1114C-FD-US	12, 24 VDC	
		SPST-NO (1a) (High-capacity)	Straight PCB	G6B-1174P-US	5, 6, 12, 24 VDC	G6B-1174P-FD-US	5, 6, 12, 24 VDC	20 pcs/tube
			Self-clinching PCB	G6B-1174C-US	5, 12, 24 VDC	G6B-1174C-FD-US	5, 12, 24 VDC	
		SPST-NO (1a) (High-reliability)	Straight PCB	G6B-1184P-US	5, 12, 24 VDC	---	---	100 pcs/tray
			Self-clinching PCB	---	---	---	---	
	Single-winding latching	SPST-NO (1a) (Standard)	Straight PCB	G6BU-1114P-US	5, 6, 12, 24 VDC	G6BU-1114P-FD-US	5, 12, 24 VDC	
			Self-clinching PCB	G6BU-1114C-US	12 VDC	---	---	
	Double-winding latching	SPST-NO (1a) (Standard)	Straight PCB	G6BK-1114P-US	5, 6, 12, 24 VDC	G6BK-1114P-FD-US	5, 6, 12, 24 VDC	
			Self-clinching PCB	G6BK-1114C-US	5, 6, 12, 24 VDC	G6BK-1114C-FD-US	24 VDC	
	Single-side stable	SPST-NO (1a) (Built-in high-capacity operation indicator & diode)	Straight PCB	G6B-1177P-ND-US	5, 12, 24 VDC	G6B-1177P-FD-ND-US	5, 12, 24 VDC	100 pcs/tray
			Self-clinching PCB	G6B-1177C-ND-US	5, 12, 24 VDC	G6B-1177C-FD-ND-US	12, 24 VDC	
2-pole	Single-side stable	SPST-NO (1a)+ SPST-NC (1b) (Standard)	Straight PCB	G6B-2114P-US	5, 6, 12, 24 VDC	G6B-2114P-FD-US	5, 6, 12, 24 VDC	100 pcs/tray
			Self-clinching PCB	G6B-2114C-US	5, 12, 24 VDC	G6B-2114C-FD-US	5, 12 VDC	
		DPST-NO (2a) (Standard)	Straight PCB	G6B-2214P-US	5, 6, 12, 24 VDC	G6B-2214P-FD-US	5, 6, 12, 24 VDC	
			Self-clinching PCB	G6B-2214C-US	5, 12, 24 VDC	G6B-2214C-FD-US	5, 12, 24 VDC	
		DPST-NC (2b) (Standard)	Straight PCB	G6B-2014P-US	5, 6, 12, 24 VDC	G6B-2014P-FD-US	5, 6, 12, 24 VDC	
			Self-clinching PCB	G6B-2014C-US	5, 6, 12, 24 VDC	G6B-2014C-FD-US	12, 24 VDC	

Note: AgSnIn contact models are highly welding-resistant, and roughening of contacts due to inrush current and inductive load is lessened.

● Models for Reverse Coil Polarity

Number of poles	Relay Function	Contact form	Contact material Terminals	Standard (Ag-alloy (Cd free))		AgSnIn contact		Minimum packing unit
				Model	Rated coil voltage	Model	Rated coil voltage	
1-pole	Single-side stable	SPST-NO (1a) (Standard)	Straight PCB	G6B-1114P-1-US	5, 6, 12, 24 VDC	G6B-1114P-FD-1-US	24 VDC	100 pcs/tray
			Self-clinching PCB	---	---	---	---	
		SPST-NO (1a) (High-capacity)	Straight PCB	G6B-1174P-1-US	5, 12, 24 VDC	---	---	20 pcs/tube
			Self-clinching PCB	---	---	---	---	
	Single-winding latching	SPST-NO (1a) (Standard)	Straight PCB	G6BU-1114P-1-US	5, 12 VDC	---	---	100 pcs/tray
			Self-clinching PCB	---	---	---	---	
2-pole	Single-side stable	SPST-NO (1a) (Standard)	Straight PCB	G6BK-1114P-1-US	5, 6, 12, 24 VDC	---	---	
			Self-clinching PCB	---	---	---	---	
		SPST-NO (1a)+ SPST-NC (1b) (Standard)	Straight PCB	G6B-2114P-1-US	5, 6, 12, 24 VDC	G6B-2114P-FD-1-US	12, 24 VDC	
			Self-clinching PCB	---	---	---	---	
		DPST-NO (2a) (Standard)	Straight PCB	G6B-2214P-1-US	5, 12, 24 VDC	---	---	
			Self-clinching PCB	---	---	---	---	

Note: AgSnIn contact models are highly welding-resistant, and roughening of contacts due to inrush current and inductive load is lessened.