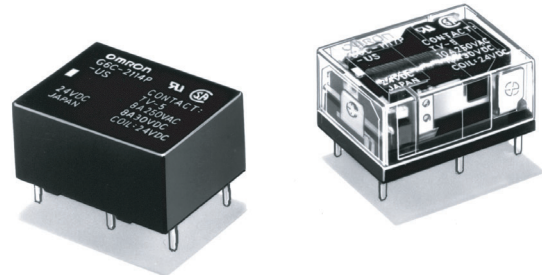


SPST-NO Type Breaks 10-A Loads; SPST-NO + SPST-NC Type Breaks 8-A Load

- Compact: 20 × 15 × 10 mm (L × W × H).
- Low power consumption: 200 mW.
- Flux protection or fully sealed construction available.
- Unique moving loop armature reduces relay size, magnetic interference, and contact bounce.
- Single- and double-winding latching types also available



RoHS Compliant Refer to pages 16 to 17 for details.



Ordering Information

Classification	Contact form	Straight PCB		Self-clinching PCB	
		Flux protection	Fully sealed	Flux protection	Fully sealed
Single-side stable	SPST-NO	G6C-1117P-US	G6C-1114P-US	G6C-1117C-US	G6C-1114C-US
	SPST-NO + SPST-NC	G6C-2117P-US	G6C-2114P-US	G6C-2117C-US	G6C-2114C-US
Single-winding latching	SPST-NO	G6CU-1117P-US	G6CU-1114P-US	G6CU-1117C-US	G6CU-1114C-US
	SPST-NO + SPST-NC	G6CU-2117P-US	G6CU-2114P-US	G6CU-2117C-US	G6CU-2114C-US
Double-winding latching	SPST-NO	G6CK-1117P-US	G6CK-1114P-US	G6CK-1117C-US	G6CK-1114C-US
	SPST-NO + SPST-NC	G6CK-2117P-US	G6CK-2114P-US	G6CK-2117C-US	G6CK-2114C-US

Note: When ordering, add the rated coil voltage to the model number.
Example: G6C-1117P-US 12 VDC

Rated coil voltage

Model Number Legend

G6C - - VDC
1 2 3 4 5 6 7

1. Relay Function

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

2. Contact Form

11: SPST-NO
21: SPST-NO + SPST-NC

3. Contact Type

1: Standard

4. Enclosure Ratings

4: Fully sealed
7: Flux protection

5. Terminals

P: Straight PCB
C: Self-clinching PCB

6. Approved Standards

US: UL/CSA certified

7. Rated Coil Voltage

3, 5, 6, 12, 24 VDC

■ Accessories (Order Separately)

Back Connecting Sockets

Applicable relay	Back connecting socket*
G6C(U)-1114P-US G6C(U)-1117P-US G6C(U)-2114P-US G6C(U)-2117P-US	P6C-06P
G6CK-1114P-US G6CK-1117P-US G6CK-2114P-US G6CK-2117P-US	P6C-08P

*Not applicable to the self-clinching versions.

The operating current for the socket is 5 A max.

Removal Tool	P6B-Y1
Hold-down Clips	P6B-C2

Specifications

■ Coil Ratings

Single-side Stable Type

Rated voltage	3 VDC	5 VDC	6 VDC	12 VDC	24 VDC	
Rated current	67 mA	40 mA	33.3 mA	16.7 mA	8.3 mA	
Coil resistance	45 Ω	125 Ω	180 Ω	720 Ω	2,880 Ω	
Coil inductance (H) (ref. value)	Armature OFF	0.078	0.22	0.36	1.32	4.96
	Armature ON	0.067	0.18	0.29	1.13	4.19
Must operate voltage	70% max. of rated voltage					
Must release voltage	10% min. of rated voltage					
Max. voltage	160% of rated voltage (at 23°C)					
Power consumption	Approx. 200 mW					

Single-winding Latching Type

Rated voltage	3 VDC	5 VDC	6 VDC	12 VDC	24 VDC	
Rated current	67 mA	40 mA	33.3 mA	16.7 mA	8.3 mA	
Coil resistance	45 Ω	125 Ω	180 Ω	720 Ω	2,880 Ω	
Coil inductance (H) (ref. value)	Armature OFF	0.09	0.25	0.36	1.75	5.83
	Armature ON	0.06	0.20	0.24	1.17	3.84
Must operate voltage	70% max. of rated voltage					
Must release voltage	70% min. of rated voltage					
Max. voltage	160% of rated voltage (at 23°C)					
Power consumption	Approx. 200 mW					