

A High-capacity, High-dielectric-strength, Multi-pole Relay Used Like a Contactor

- Miniature hinge for maximum switching power for motor loads as well as resistive and inductive loads.
- No contact chattering for momentary voltage drops up to 50% of rated voltage.
- Withstanding more than 4 kV between contacts that are different in polarity and between the coil and contacts.
- Flame-resistant materials (UL94V-0-qualifying) used for all insulation material.
- Standard models approved by UL and CSA.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Refer to Safety Precautions for All Relays.

Model Number Structure

Model Number Legend

G7J - - -
1 2 3

1. Contact Form

4A: 4PST-NO
3A1B: 3PST-NO/SPST-NC
2A2B: DPST-NO/DPST-NC

2. Terminal Shape

P: PCB terminals
B: Screw terminals
T: Quick-connect terminals (#250 terminal)

3. Contact Structure

Z: Bifurcated contact
None: Single contact

Note: For bifurcated contact type, output is 1NO (4PST-NO) or 1NC (3PST-NO/SPST-NC).

Ordering Information

When your order, specify the rated voltage.

List of Models

Mounting type	Contact form	PCB terminals	Screw terminals	Quick-connect terminals
PCB mounting	4PST-NO	G7J-4A-P, G7J-4A-PZ	---	---
	3PST-NO/SPST-NC	G7J-3A1B-P, G7J-3A1B-PZ	---	---
	DPST-NO/DPST-NC	G7J-2A2B-P	---	---
W-bracket (see note)	4PST-NO	---	G7J-4A-B	G7J-4A-T, G7J-4A-TZ
	3PST-NO/SPST-NC	---	G7J-3A1B-B, G7J-3A1B-BZ	G7J-3A1B-T, G7J-3A1B-TZ
	DPST-NO/DPST-NC	---	G7J-2A2B-B	G7J-2A2B-T

Note: These Relays need a W-bracket (sold separately) for mounting.
When ordering specify the voltage.
Example: G7J-4A-P 240 VAC
 Rated coil voltage

PCB Terminals

Contact form	Model	Rated voltage
4PST-NO	G7J-4A-P	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
3PST-NO/ SPST-NC	G7J-3A1B-P	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
DPST-NO/DPST-NC	G7J-2A2B-P	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC

PCB Terminals (Bifurcated Contact)

Contact form	Model	Rated voltage
4PST-NO	G7J-4A-PZ	200/240 VAC
		24 VDC
3PST-NO/ SPST-NC	G7J-3A1B-PZ	200/240 VAC
		12, 24 VDC

W-bracket Screw Terminals

Contact form	Model	Rated voltage
4PST-NO	G7J-4A-B	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
3PST-NO/ SPST-NC	G7J-3A1B-B	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
DPST-NO/ DPST-NC	G7J-2A2B-B	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC

■ Accessories (Order Separately)

Name	Model	Applicable Relay
W-bracket	R99-04 for G5F	G7J-4A-B G7J-3A1B-B(Z) G7J-2A2B-B G7J-4A-T(Z) G7J-3A1B-T G7J-2A2B-T

Application Examples

- Compressors for air conditioners and heater switching controllers.
- Switching controllers for power tools or motors.
- Lamp controls, motor drivers, and power supply switching controllers in copy machines, facsimile machines, and other office equipment.
- Power controllers for packers or food processing equipment.
- Power controllers for inverters.

Screw Terminals (Bifurcated Contact)

Contact form	Model	Rated voltage
3PST-NO/ SPST-NC	G7J-3A1B-BZ	200/240 VAC
		12, 24 VDC

W-bracket Tab Terminals

Contact form	Model	Rated voltage
4PST-NO	G7J-4A-T	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
3PST-NO/ SPST-NC	G7J-3A1B-T	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC
DPST-NO/ DPST-NC	G7J-2A2B-T	24, 50, 100/120, 200/240 VAC
		12, 24, 48, 100 VDC

W-bracket Tab Terminals (Bifurcated Contact)

Contact form	Model	Rated voltage
4PST-NO	G7J-4A-TZ	200/240 VAC

Consult your OMRON representative for details on models not mentioned in this document.