

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.