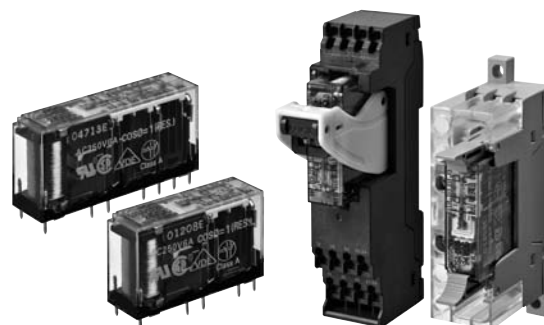


Relays with Forcibly Guided Contacts G7SA

Compact, Slim Relays Conforming to EN Standards

- Additional Push-In Plus terminal sockets are used to save wiring work in comparison with traditional screw terminals. (Wiring time is reduced by 60%* in comparison with traditional screw terminals.)
- Relays with forcibly guided contacts (EN/IEC 61810-3, Certified by VDE).
- Supports the CE marking of machinery (Machinery Directive).
- Helps avoid hazardous machine status when used as part of an interlocking circuit.
- Four-pole and six-pole Relays are available.
- The Relay's terminal arrangement simplifies PWB pattern design.
- Reinforced insulation between inputs and outputs.
- Reinforced insulation between some poles of different polarity.

* According to OMRON actual measurement data



Note: Sockets are sold separately.

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

Be sure to read the *Safety Precautions* on page 13.

Model Number Structure

Model Number Legend

Main unit

Relays with forcibly guided contacts

G7SA-□A□B□
1 2 3

Specify the power supply voltage (coil rated voltage) when ordering.

1. NO Contact Poles	2. NC Contact Poles	3. Coil Rated Voltage (V)
2: DPST-NO	1: SPST-NC	12 VDC
3: 3PST-NO	2: DPST-NC	18 VDC
4: 4PST-NO	3: 3PST-NC	21 VDC
5: 5PST-NO		24 VDC
		48 VDC
		110 VDC

Relays use PCB terminals.
This allows for mounting on PCBs and for connection to optional dedicated sockets (order separately).

Options (order separately)

Sockets

P7SA-□□□-□□□
1 2 3 4 5 6

1. Basic Model Name

P7SA: Socket for G7SA

2. Number of Poles

10: 4 poles (10 terminals)

14: 6 poles (14 terminals)

3. Mounting Type

F: Front-mounting

P: Back-mounting

4. LED Indicator

Blank: Without operation indicator LED/built-in diode

ND: With operation indicator LED/built-in diode

5. Terminal Type

Blank: Screw terminals when 3. is F type

PCB terminals when 3. is P type

PU: Push-In Plus terminals

6. Coil Rated Voltage (V)

24 VDC: When 4. is ND

G7SA

Ordering Information

Main unit

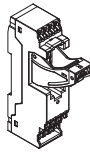
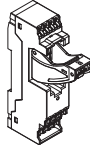
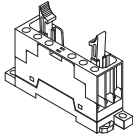
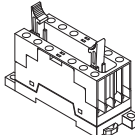
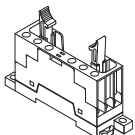
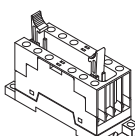
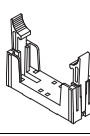
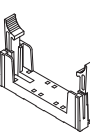
Relays with Forcibly Guided Contacts

Specify the coil rated voltage when ordering.

Terminal type	Sealing	Poles	Contact configuration	Coil rated voltage	Model
PCB terminals	Flux-tight	4 poles	3PST-NO, SPST-NC	12, 18, 21, 24, 48, 110 VDC	G7SA-3A1B
			DPST-NO, DPST-NC	12, 18, 21, 24, 48, 110 VDC	G7SA-2A2B
		6 poles	5PST-NO, SPST-NC	12, 18, 21, 24, 48, 110 VDC	G7SA-5A1B
			4PST-NO, DPST-NC	12, 18, 21, 24, 48, 110 VDC	G7SA-4A2B
			3PST-NO, 3PST-NC	12, 18, 21, 24, 48, 110 VDC	G7SA-3A3B

Options (order separately)

Sockets

Mounting	Terminal Type	LED Indicator	Poles	Coil rated voltage	Appearance	Model
Front-mounting	Push-In Plus terminals	Yes	4 poles	24 VDC		P7SA-10F-ND-PU DC24
			6 poles			P7SA-14F-ND-PU DC24
	Screw terminals	Yes	4 poles			P7SA-10F-ND DC24
			6 poles			P7SA-14F-ND DC24
		No	4 poles	—		P7SA-10F
			6 poles			P7SA-14F
	PCB terminals	No	4 poles			P7SA-10P
			6 poles			P7SA-14P