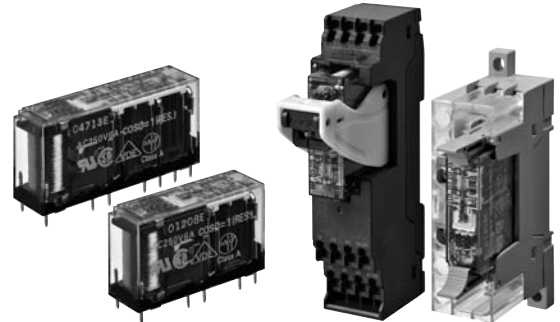


# Relays with Forcibly Guided Contacts G7SA

## 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

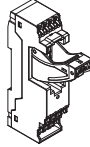
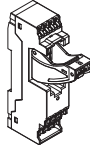
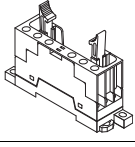
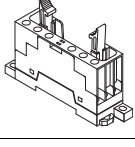
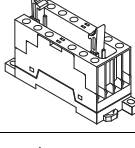
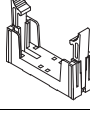
### Relays with Forcibly Guided Contacts

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	<b>G7SA-3A1B</b>
			DPST-NO, DPST-NC	12, 18, 21, 24, 48, 110 VDC	<b>G7SA-2A2B</b>
		6 poles	5PST-NO, SPST-NC	12, 18, 21, 24, 48, 110 VDC	<b>G7SA-5A1B</b>
			4PST-NO, DPST-NC	12, 18, 21, 24, 48, 110 VDC	<b>G7SA-4A2B</b>
			3PST-NO, 3PST-NC	12, 18, 21, 24, 48, 110 VDC	<b>G7SA-3A3B</b>

### 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		<b>P7SA-10F-ND-PU DC24</b>
			6 poles			<b>P7SA-14F-ND-PU DC24</b>
			4 poles			<b>P7SA-10F-ND DC24</b>
						6 poles
	Screw terminals	No	4 poles	—		<b>P7SA-10F</b>
			6 poles			<b>P7SA-14F</b>
			4 poles			<b>P7SA-10P</b>
						6 poles