

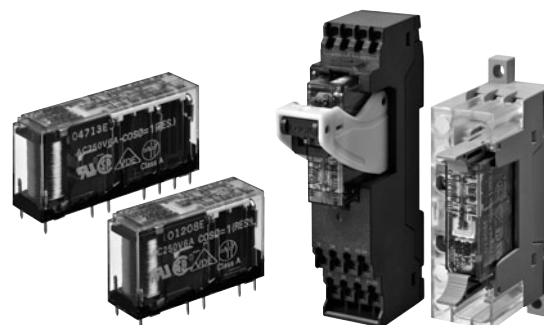
Relays with Forcibly Guided Contacts

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 50205 Class A, 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 9.

Model Number Structure

Model Number Legend

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

Relays with forcibly guided contacts

G7SA-□A□B□

1 2 3

- | | |
|----------------------------|----------------------------|
| 1. NO Contact Poles | 2. NC Contact Poles |
| 2: DPST-NO | 1: SPST-NC |
| 3: 3PST-NO | 2: DPST-NC |
| 4: 4PST-NO | 3: 3PST-NC |
| 5: 5PST-NO | |

3. Coil Rated Voltage (V)

12 VDC
18 VDC
21 VDC
24 VDC
48 VDC
110 VDC

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

Specify the coil rated voltage when ordering.

Relays with Forcibly Guided Contacts

Type	Sealing	Poles	Contact configuration	Coil rated voltage	Model
Standard	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

Sockets

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

Accessories (Order Separately)

Short Bars (For P7SA-□F-ND-PU)

Pitch	No. of poles	Colors	Model*1*2
5.2 mm	2	Red (RD) Blue (BL) Yellow (YL)	XW5S-P2.5-2□
	3		XW5S-P2.5-3□
	4		XW5S-P2.5-4□
	5		XW5S-P2.5-5□

Note: Use for crossover wiring of adjacent contact terminals (bottom) within one Socket.

*1. Replace the box (□) in the model number with the code for the covering color. Color Options: RD = red, BL = blue, YL = yellow

Example: XW5S-P2.5-10RD when the covering color is red.

*2. XW5S-P2.5-5□ cannot be used with P7SA-10F-ND-PU.

Parts for DIN Track Mounting

Type	Model	Minimum Order (quantity)
DIN Tracks	1 m	PFP-100N
	0.5 m	
End Plate *	PFP-M	10
Spacer	PFP-S	

Refer to your OMRON website for details on the PFP-□.

* When mounting DIN track, please use End Plate (Model PFP-M).