# General-purpose Relay G2R-□-S (S)

CSM\_G2R-\_-S\_(S)\_DS\_E\_1\_2

## Slim and Space-saving Power Plug-in Relay

- Reduces wiring work by 60% when combined with the P2RF-□-PU Push-In Plus Socket (according to actual OMRON measurements).
- Lockable test button models available.
- Built-in mechanical operation indicator.
- Provided with nameplate.
- AC type is equipped with a coil-disconnection self-diagnostic function (LED type).
- High switching power (1-pole: 10 A).



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

### **Model Number Structure**

## **Model Number Legend**

G2R -| - S

#### 1. Number of Poles

1 pole 1: 2: 2 poles

#### 2. Terminals

Plua-in

#### 3. Classification

Blank: General-purpose N: LED indicator D: Diode

ND: LED indicator and diode LED indicator with test button

NDI: LED indicator and diode with test button

4. Rated Coil Voltage

5. Mechanical operation indicator and Nameplate

(S): Models with mechanical operation indicator and Nameplate

Note: Contact your OMRON representative for Relays with gold-plated contacts.

## Ordering Information When your order, specify the rated voltage.

#### **List of Models**

Classification	On'll makin ma	Contact form	
	Coil ratings	SPDT	DPDT
General-purpose		G2R-1-S (S)	G2R-2-S (S)
LED indicator	AC 24, 110, 120, 230, 240 DC 6, 12, 24, 48	G2R-1-SN (S)	G2R-2-SN (S)
LED indicator with test button	00 0, 12, 24, 40	G2R-1-SNI (S)	G2R-2-SNI (S)
Diode		G2R-1-SD (S)	G2R-2-SD (S)
LED indicator and diode	DC 6, 12, 24, 48	G2R-1-SND (S)	G2R-2-SND (S)
LED indicator and diode with test button		G2R-1-SNDI (S)	G2R-2-SNDI (S)

Note: 1. The standard models are compliant with UL/CSA and VDE standards. Also, an EC compliance declaration has been made for combinations with the P2RF-□-E, P2RF-□-S and P2RF-□-PU. The Relays bear the CE Marking.

- 2. Refer to Connecting Sockets, below, for applicable Socket models.
- 3. When ordering, add the rated coil voltage and "(S)" to the model number. Rated coil voltages are given in the coil ratings table. Example: G2R-1-S 12 VDC (S)

-Rated coil voltage

## **Accessories (Order Separately)**

## **Connecting Sockets**

		Track/surface-mounting Socket		Back-mounting Socket	
Applicable Relay model		Push-In Plus Terminal Blocks	Screw terminals *	PCB terminals	Solder terminals
No. of poles		Model	Models	Models	Model
1 pole	G2R-1-S (S)	P2RF-05-PU	P2RF-05 P2RF-05-E	P2R-05P P2R-057P	P2R-05A
2 poles	G2R-2-S (S)	P2RF-08-PU	P2RF-08 P2RF-08-E	P2R-08P P2R-087P	P2R-08A

<sup>\*</sup>The structure of P2RF-E models provides finger protection. Round terminals cannot be used. Use forked crimp terminals.

#### Accessories for Push-In Plus Terminal Block Sockets (P2RF-□-PU) **Short Bars**

Pitch	No. of poles	Colors	Model *	Minimum order (quantity)
	2	Red (R) Blue (S) Yellow (Y)	PYDN-7.75-020□	
7.75 mm	3		PYDN-7.75-030□	
7.75 mm	4		PYDN-7.75-040□	10
	20		PYDN-7.75-200□	
15.5 mm	8		PYDN-15.5-080□	

**Note:** Use the Short Bars for crossover wiring within one Socket or between Sockets.  $^*$  Replace the box ( $\square$ ) in the model number with the code for the covering color.

#### Labels

Model	Minimum order (sheet) (quantity per sheet)	
XW5Z-P4.0LB1	5 1 sheet (60 pieces)	

## **Mounting Tracks**

Applicable Socket	Description		Model	Minimum order (quantity)
Track-connecting Socket		50 cm ( $\ell$ ) × 7.3 mm (t):	PFP-50N	
	Mounting track	1 m ( <i>l</i> ) × 7.3 mm (t):	PFP-100N	
		1 m ( <i>l</i> ) × 16 mm (t):	PFP-100N2	]
	End plate *1		PFP-M	10
	Spacer		PFP-S	- 10
Back-connecting Socket	Mounting plate *2		P2R-P	1

<sup>\*1.</sup> When mounting DIN rail, please use End Plate (PFP-M).

<sup>\*2.</sup> Used to mount several P2R-05A and P2R-08A Connecting Sockets side by side.