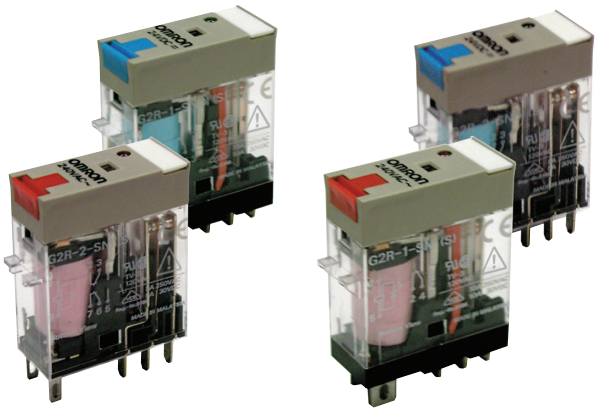
General-purpose Relay

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 □ □ (S)
1 2 3 4 5

1. Number of Poles
1: 1 pole
2: 2 poles

2. Terminals
S: Plug-in

3. Classification
Blank: General-purpose
N: LED indicator
D: Diode
ND: LED indicator and diode
NI: 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	Coil ratings	Contact form	
		SPDT	DPDT
General-purpose	AC 24, 110, 120, 230, 240 DC 6, 12, 24, 48	**G2R-1-S (S)**	**G2R-2-S (S)**
LED indicator		**G2R-1-SN (S)**	**G2R-2-SN (S)**
LED indicator with test button		**G2R-1-SNI (S)**	**G2R-2-SNI (S)**
Diode	DC 6, 12, 24, 48	**G2R-1-SD (S)**	**G2R-2-SD (S)**
LED indicator and diode		**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

Applicable Relay model		Track/surface-mounting Socket		Back-mounting Socket	
		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

* 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)
7.75 mm	2	Red (R) Blue (S) Yellow (Y)	PYDN-7.75-020□	10
	3		PYDN-7.75-030□	
	4		PYDN-7.75-040□	
	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 (□) 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	Mounting track	50 cm (ℓ) × 7.3 mm (t):	PFP-50N	---
		1 m (ℓ) × 7.3 mm (t):	PFP-100N	
		1 m (ℓ) × 16 mm (t):	PFP-100N2	
	End plate *1		PFP-M	10
	Spacer		PFP-S	
Back-connecting Socket	Mounting plate *2		P2R-P	1

*1. When mounting DIN rail, please use End Plate (PFP-M).
*2. Used to mount several P2R-05A and P2R-08A Connecting Sockets side by side.