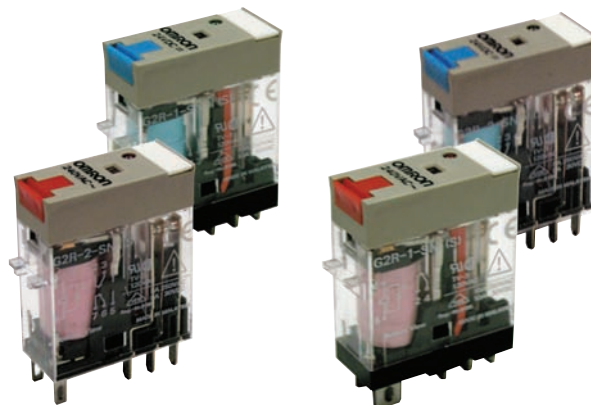


# General-purpose Relay G2R-□-S (S)

CSM\_G2R-\_-S\_(S)\_DS\_E\_1\_7

## 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, 48, 110, 120, 230, 240<br>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 |
|                        |             | Model                         | Models                             | Models               | Model            |
| 1 pole                 | G2R-1-S (S) | P2RF-05-PU                    | P2RFZ-05-E<br>P2RF-05<br>P2RF-05-E | P2R-05P<br>P2R-057P  | P2R-05A          |
| 2 poles                | G2R-2-S (S) | P2RF-08-PU                    | P2RFZ-08-E<br>P2RF-08<br>P2RF-08-E | P2R-08P<br>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)<br>Blue (S)<br>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)<br>(quantity per sheet) |
|--------------|-----------------------------------------------|
| XW5Z-P4.0LB1 | 5<br>1 sheet (60 pieces)                      |

### Accessories for Screw Terminal Sockets (P2RFZ-□-E)

#### Short Bars

| Pitch   | No. of poles | Colors   | Model          | Minimum order (set)                                              |
|---------|--------------|----------|----------------|------------------------------------------------------------------|
| 6.8 mm  | 10           | Blue (S) | P2DN-6.8-100S  | 1<br>One set (order unit) contains<br>10 short bars and 20 caps. |
| 15.7 mm | 10           |          | P2DN-15.7-100S |                                                                  |

**Note:** 1. Use the Short Bars for crossover wiring within one Socket or between Sockets.

2. Cannot be used on the P2RF-□-E.

#### Labels

| Model        | Minimum order (sheet)<br>(quantity per sheet) |
|--------------|-----------------------------------------------|
| XW5Z-P2.5LB1 | 5<br>1 sheet (72 pieces)                      |

### Accessories for Short Bars (P2DN)

#### Cap

| Model      | Minimum order (bag) |
|------------|---------------------|
| P2DN-CP100 | 1<br>(100 pcs./bag) |

### Mounting Tracks

| Applicable Socket       | Description       |                         | Model     | Minimum order<br>(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.