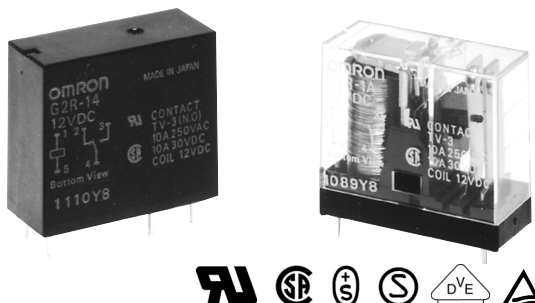


# Power PCB Relay G2R

- Creepage distance of 8.0 mm min. between coil and contact.
- Dual-winding latching type available.
- Plug-in and quick-connect terminals available (see G2R-S(S) data sheet).
- High sensitivity (360 mW) and high capacity (16 A) types available.
- Highly stable magnetic circuit for latching endurance and excellent resistance to vibration and shock.
- Safety-oriented design assuring high surge resistance: 10,000 V min. between coil and contacts.
- UL recognized / CSA certified. RoHS Complaint



## Ordering Information

To order: Select the part number and add the desired coil voltage rating (e.g., G2R-14-DC12).

### ■ Non-Latching

#### 1-Pole - PCB Types

Type	Contact material	Contact form	Construction	Model
General purpose	Ag alloy	SPDT	Semi-sealed	G2R-1
			Sealed	G2R-14
		SPST-NO	Semi-sealed	G2R-1A
			Sealed	G2R-1A4
High-capacity		SPDT	Semi-sealed	G2R-1-E
				G2R-1A-E
High-sensitivity		SPDT	Sealed	G2R-1-H
				G2R-14-H
	SPST-NO		Semi-sealed	G2R-1A-H
			Sealed	G2R-1A4-H

#### 1-Pole - Quick-connect Types

Type	Contact material	Contact form	Terminal	Model
Upper-mount bracket	Ag alloy	SPDT	Quick connect	G2R-1-T
		SPST-NO		G2R-1A-T

#### 2-Pole - PCB Types

Type	Contact material	Contact form	Construction	Model	
General purpose	Ag alloy	DPDT	Semi-sealed	G2R-2	
			Sealed	G2R-24	
		DPST-NO	Semi-sealed	G2R-2A	
			Sealed	G2R-2A4	
High sensitivity		DPDT	Semi-sealed	G2R-2-H	
				Sealed	G2R-24-H
			DPST-NO	Semi-sealed	G2R-2A-H
				Sealed	G2R-2A4-H

**Note:** 1. Bifurcated button available.

2. For individual product agency approvals consult factory.

3. Class B coil insulation available.

## ■ Latching

Type	Contact form	Construction	Model
Dual coil latching	SPDT	Semi-sealed	G2RK-1
	SPST-NO		G2RK-1A
	DPDT		G2RK-2
	DPST-NO		G2RK-2A

## Specifications

### ■ Contact Data

Non-latching general purpose (semi-sealed) and upper-mount bracket.

Load	1-pole type		2-pole type	
	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)
Rated load	10 A at 250 VAC 10 A at 30 VDC (8A at 250VAC/30VDC)	7.5 A at 250 VAC 5 A at 30 VDC (6A at 250VAC, 4A at 30VDC)	5 A at 250 VAC 5 A at 30 VDC (4A at 250VAC/30VDC)	2 A at 250 VAC 3 A at 30 VDC (1.5A at 250VAC, 2.5A at 30VDC)
Contact material	Ag-Alloy			
Carry current	10 A (8A)		5 A (4A)	
Max. operating voltage	380 VAC, 125 VDC			
Max. operating current	10 A (8A)		5 A (4A)	
Max. switching capacity	2,500 VA, 300 W (2,000 VA, 240W)	1,875 VA, 150 W (1,500 VA, 120W)	1,250 VA, 150 W (1,000 VA, 120 W)	500 VA, 90 W (375 VA, 75 W)
Min permissible load	100 mA, 5 VDC		10 mA, 5 VDC	

Note: Values in parenthesis are for sealed models.

#### Non-latching high capacity 1-pole type

Load	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)
Rated load	16 A at 250 VAC 16 A at 30 VDC	8 A at 250 VAC 8 A at 30 VDC
Contact material	Ag-Alloy	
Carry current	16 A	
Max. operating voltage	380 VAC, 125 VDC	
Max. operating current	16 A	
Max. switching capacity	4,000 VA, 480 W	2,000 VA, 240 W
Min. permissible load	100 mA, 5 VDC	

#### Non-latching high-sensitivity

Load	1-pole type		2-pole type	
	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)
Rated load	5 A at 250 VAC 5 A at 30 VDC	2 A at 250 VAC 3 A at 30 VDC	3 A at 250 VAC 3 A at 30 VDC	1 A at 250 VAC 1.50 A at 30 VDC
Contact material	Ag-Alloy			
Carry current	5 A		3 A	
Max. operating voltage	380 VAC, 125 VDC			
Max. operating current	5 A		3 A	
Max. switching capacity	1,250 VA, 150 W	500 VA, 90 W	750 VA, 90 W	250 VA, 45 W
Min permissible load	100 mA, 5 VDC		10 mA, 5 VDC	

Note: 1. P standard:  $\lambda_{50} = 0.10 \times 10^{-6}$  operation, for all models  
 2. For individual product agency approvals consult factory.