

G2R

PCB Power Relay

The Best Seller G2R



- 1 General purpose power Relays of single-pole 10 A and double-pole 5 A.
- Safety-oriented design with dielectric strength of 5,000 V between coil and contacts, and surge resistance of 10,000 V.
- AC and DC types are both available for operational coils.

RoHS Compliant



Model Number Legend

G2R-□-□□□□-□□
 1 2 3 4 5 6 7

1. Relay Function

- None: Single-side stable
- K : Double-winding latching

2. Number of poles

- 1: 1-pole
- 2: 2-pole

3. Contact Form

- None: NO/NC
- A : NO

4. Contact Type

- None: Single
- Z : Bifurcated contact

5. Enclosure rating

- None: Flux protection (T-type is an enclosed relay)
- 4 : Fully sealed

6. Terminal Shape

- None: PCB terminals
- T : Quick-connect (upper bracket mounting #187)

7. Classification

- None: Standard
- E : High-capacity
- H : High-sensitivity
- U : For ultrasonically cleanable
- Z : Full-wave rectifier

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Model Configuration

Terminal Shape	Classification	Number of poles		1-pole		2-pole		Minimum packing unit
		Enclosure rating	Contact form	SPST-NO (1a)	SPDT (1c)	DPST-NO (2a)	DPDT (2c)	
PCB terminals	Standard	Flux protection	AC	G2R-1A	G2R-1	G2R-2A	G2R-2	100 pcs/tray
			DC	G2R-1A4	G2R-14	G2R-2A4	G2R-24	
		Fully sealed	AC					
			DC	G2R-1AZ4	G2R-1Z4	-	-	
	Bifurcated contact	Flux protection	AC	G2R-1A-E	G2R-1-E	-	-	100 pcs/tray
			DC	G2R-1A-H	G2R-1-H			
	High-capacity	Flux protection	AC	G2RK-1A	G2RK-1	G2RK-2A	G2RK-2	50 pcs/tray
			DC					
High-sensitivity	Flux protection	AC	G2R-1A-T	G2R-1-T	-	-	100 pcs/tray	
		DC						G2R-1A-T
Double-winding latching	Flux protection	AC	G2R-1A-T	G2R-1-T	-	-	100 pcs/tray	
		DC						G2R-1A-T
Quick-connect	Standard	Unsealed	AC	G2R-1A-T	G2R-1-T	-	-	
			DC					G2R-1A-T

Note 1. Full-wave rectifier and supersonic cleaner compatible models are also available. Refer to page 3.
 2. Sockets for PCB terminal models are not provided.

Ordering Information

PCB Terminal Models

Classification	Enclosure rating	Number of poles Contact form	1-pole		2-pole		
			Model	Rated coil voltage	Model	Rated coil voltage	
Standard	Flux protection	NO	G2R-1A	12, 24, 100/(110) VAC	G2R-2A	12, 24, 100/(110) VAC	
				200/(220) VAC		200/(220) VAC	
				5, 6, 12, 24, 48 VDC		5, 6, 12, 24, 48 VDC	
				100 VDC		100 VDC	
	NO/NC	G2R-1	12, 24, 100/(110) VAC	G2R-2	12, 24, 100/(110) VAC		
			200/(220) VAC		200/(220) VAC		
			5, 6, 12, 24, 48 VDC		5, 6, 12, 24, 48 VDC		
			100 VDC		100 VDC		
	Fully sealed	NO	G2R-1A4	12, 24, 100/(110) VAC	G2R-2A4	12, 24, 100/(110) VAC	
				200/(220) VAC		200/(220) VAC	
				5, 6, 12, 24, 48 VDC		5, 6, 12, 24, 48 VDC	
				100 VDC		100 VDC	
NO/NC	G2R-14	12, 24, 100/(110) VAC	G2R-24	12, 24, 100/(110) VAC			
		200/(220) VAC		200/(220) VAC			
		5, 6, 12, 24, 48 VDC		5, 6, 12, 24, 48 VDC			
		100 VDC		100 VDC			
High-sensitivity	Flux protection	NO	G2R-1A-H	5, 6, 12, 24, 48 VDC	G2R-2A-H	5, 6, 12, 24, 48 VDC	
		NO/NC	G2R-1-H	5, 6, 12, 24, 48 VDC	G2R-2-H	5, 6, 12, 24, 48 VDC	
		Double-winding latching	NO	G2RK-1A	5, 6, 12, 24 VDC	G2RK-2A	5, 12, 24 VDC
			NO/NC	G2RK-1	5, 6, 12, 24 VDC	G2RK-2	5, 6, 12, 24 VDC
Bifurcated contact	Flux protection	NO	G2R-1AZ	12, 24, 48 VDC	-	-	
		100 VDC					
	NO/NC	G2R-1Z	5, 6, 12, 24, 48 VDC				
	100 VDC						
Fully sealed	NO	G2R-1AZ4	5, 12, 24, 48 VDC				
	100 VDC						
NO/NC	G2R-1Z4	5, 12, 24, 48 VDC					
100 VDC							
High-capacity	Flux protection	NO	G2R-1A-E	12, 24, 100/(110) VAC	-	-	
				200/(220) VAC			
				5, 6, 12, 24, 48 VDC			
				100 VDC			
	NO/NC	G2R-1-E	12, 24, 100/(110) VAC				
			200/(220) VAC				
5, 6, 12, 24, 48 VDC							
100 VDC							

Note: When ordering, add the rated coil voltage to the model number.

Example: G2R-1A AC12

Rated coil voltage

However, the notation of the coil voltage on the product case as well as on the packing will be marked as □□ VAC.