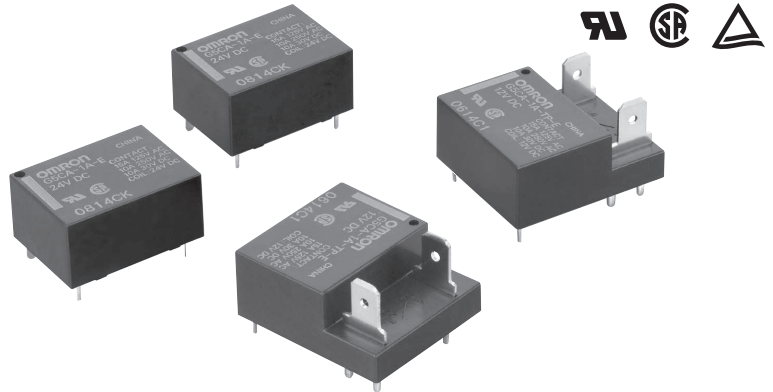


# G5CA

PCB Power Relay

## Flat Relays that Switch 10A/15A Loads Power

- Ideal for switching power in household appliances or for outputs from industrial devices.
- Subminiature dimensions: 16 × 22 × 11 mm (L × W × H).
- High-sensitivity models available with low power consumption (150 mW).
- Standard model conforms to UL/CSA standards.
- Sealed models are available
- Quick-connect terminal models are also available (#187 load contact terminals).
- IEC/EN 60335-1 conformed. (-HA Model)



**RoHS Compliant**

### Model Number Legend

G5CA-1A□-□-□-□-□  
 1 2 3 4 5 6

- |                                    |   |
|------------------------------------|---|
| <b>1. Number of Poles</b>          | <b>4. Classification</b>                      |
| 1A: 1-pole/SPST-NO (1a)            | None: Standard                                |
| <b>2. Enclosure rating</b>         | E: High-capacity                              |
| None: Flux protection              | <b>5. Coil consumption</b>                    |
| 4: Sealed                          | None: Standard                                |
| <b>3. Terminal Shape</b>           | H: High-sensitivity                           |
| None: PCB terminals                | <b>6. Market Code</b>                         |
| TP: Quick-connect terminals (#187) | None: General purpose                         |
|                                    | HA: Home Appliance according to IEC/EN60335-1 |

### Application Examples

- Small home appliances

G  
5  
C  
A

### Ordering Information

Terminal Shape	Market Code	Classification	Contact form	Enclosure rating	Model	Rated coil voltage	Minimum packing unit	
PCB terminals	General purpose	Standard	SPST-NO (1a)	Flux protection	G5CA-1A	5VDC 12VDC 24VDC	20 pcs/Tube	
				Sealed	G5CA-1A4			
		High-sensitivity		Flux protection	G5CA-1A-H			
				Sealed	G5CA-1A4-H			
Home Appliance	High-capacity	Flux protection		G5CA-1A-E	12VDC 24VDC			
				G5CA-1A-E-HA				
Quick-connect terminals (#187)	General purpose					G5CA-1A-TP-E		5VDC 12VDC 24VDC

Note 1. When ordering, add the rated coil voltage to the model number.

Example: G5CA-1A DC5

Rated coil voltage

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

Note 2. Contact your OMRON representative for details on other coil voltage specifications.

Note 3. High-capacity models with sealed structure are not available.

Note 4. Standard or high-sensitivity models with quick-connect terminals are not available.

### Ratings

#### Coil

Classification	Item Rated voltage	Rated current (mA)	Coil resistance (Ω)	Must-operate voltage (V)	Must-release voltage (V)	Max. voltage (V)	Power consumption (mW)
Standard, high-capacity, or quick-connect terminals	5 VDC	40	125	75% max.	10% min.	150% (standard)/ 130% (high-capacity, quick-connect terminals) (at 23°C)	Approx. 200
	12 VDC	16.7	720				
	24 VDC	8.3	2,880				
High-sensitivity	5 VDC	30	167	80% max.	10% min.	150% (at 23°C)	Approx. 150
	12 VDC	12.5	960				
	24 VDC	6.25	3,840				

Note 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

Note 2. The operating characteristics are measured at a coil temperature of 23°C.

Note 3. The "maximum voltage" is the maximum voltage that can be applied to the relay coil.