

Miniature Relay for Signal Circuits

- ROHS compliant.
- Wide switching power of 10 μ A to 2 A.
- High dielectric strength coil-contacts: 1,000 VAC; open contacts: 750 VAC.
- Conforms to FCC Part 68 requirements.
- Ag (Au alloy) bifurcated crossbar contacts and fully sealed for high contact reliability.
- New 150-mW relays with high-sensitivity.



Ordering Information

Classification	Contact form	Contact type	Contact material	Enclosure Rating	Model
Standard	DPDT	Bifurcated crossbar	Ag (Au alloy)	Fully sealed	G5V-2
High-sensitivity					G5V-2-H1

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

Example: G5NB-1A-E 12 VDC

Rated coil voltage

Model Number Legend

G5V - - VDC
 1 2 3

1. Contact Form
 2: DPDT

2. Classification
 H1: High-sensitivity

3. Rated Coil Voltage
 3, 5, 6, 9, 12, 24, 48 VDC

Specifications

■ Coil Rating

Standard Models

Rated voltage	3 VDC	5 VDC	6 VDC	9 VDC	12 VDC	24 VDC	48 VDC
Rated current	166.7 mA	100 mA	83.3 mA	55.6 mA	41.7 mA	20.8 mA	12 mA
Coil resistance (W)	18 Ω	50 Ω	72 Ω	162 Ω	288 Ω	1,152 Ω	4,000 Ω
Coil inductance (H) (ref. value)	Armature OFF	0.04	0.09	0.16	0.31	0.47	1.98
	Armature ON	0.05	0.11	0.19	0.49	0.74	2.63
Must operate voltage	75% max. of rated voltage						
Must release voltage	5% min. of rated voltage						
Max. voltage	120% of rated voltage at 23°C						
Power consumption	Approx. 500 mW						Approx. 580 mW