



Relays & Solenoids

OMRON_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
37176	G5L-117P-DC12V	OMRON	OMRON Power Relay	22.5*16.5*19	1 FROM C	5A 120VAC/5A 30VDC	12V	UL,CSA	G5L
37186	G5L-117P-DC24V	OMRON	OMRON Power Relay	22.5*16.5*19	1FROM C	5A 120VAC/5A 30VDC	24V	UL,CSA	G5L



- Ultra-miniature at 12.5 x 7.5 x 10 mm (L x W x H).
- Wide switching power of 1 mA to 1 A.
- High sensitivity: 150-mW nominal coil power.
- Fully sealed construction.
- International 2.54-mm terminal pitch.
- Conforms to FCC Part 68 requirements for coil to contacts.

Characteristics

Contact resistance: 100 mΩ max.

Operate time: 5 ms max. (mean value: approx. 2.5 ms)

Release time: 5 ms max. (mean value: approx. 0.9 ms)

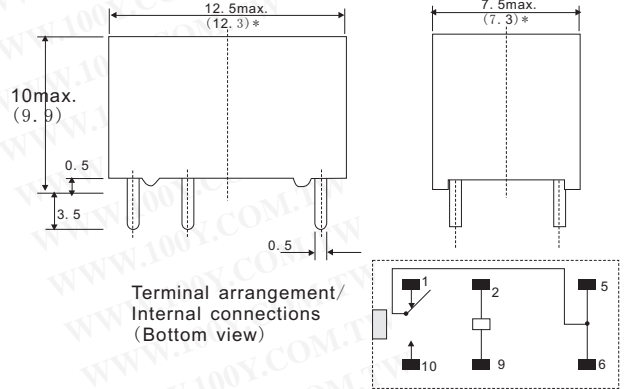
Bounce time: Operate: approx. 0.2 ms Release: approx. 5 ms

Max. operating frequency: Mechanical: 36,000 operations/hr

Electrical: 1,800 operations/hr (under rated load)

Insulation resistance: 1,000 M min. (at 500 VDC between coil and contacts, at 250 VDC between contacts of same polarity.)

Dielectric strength: 1,000 VAC, 50/60 Hz for 1 min between coil and contacts
400 VAC, 50/60 Hz for 1 min between contacts of same polarity



Impulse withstand voltage: 1,500 V (10 x 160 μs) between coil and contacts (conforms to FCC Part 68)

Ambient temperature: Operating: 40°C to 70°C (with no icing)

Ambient humidity: Operating: 5% to 85%

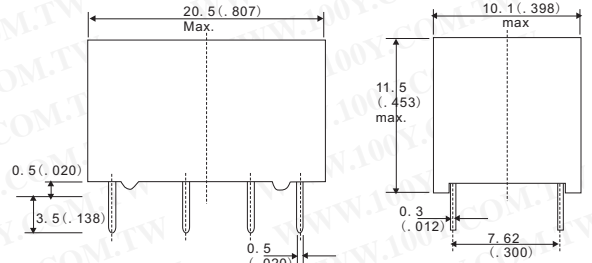
Weight: Approx. 2 g

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
35716	G5V-1-DC12V	OMRON	Power Relay	12.5mm x 7.5mm x 10mm	SPDT	0.5A at 125 VAC 1 A at 24 VDC	3 to 24 VDC	UL, CSA	PCB Relay
37193	G5V-1-DC24V	OMRON	OMRON PCB Relay	7.5*12.5*10	1 FROM C	0.5A 125VAC/1A 24VDC	24V	UL,CSA	G5V-1
37195	G5V-1-DC5V	OMRON	OMRON PCB Relay	7.5*12.5*10	1 FROM C	0.5A 125VAC /1A 24VDC	5V	UL,CSA	G5V-1



G5V-2 Characteristics

- Suitable for handling low signals in computer peripherals, telecommunications and security equipment.
- Capable of switching loads up to 2 A.
- Conforms to FCC part 68 1500 V surge withstand.
- Reliable bifurcated crossbar contacts.
- Fully-sealed construction.
- RoHS Compliant.

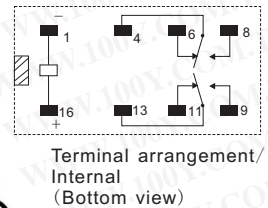


Shock: Mechanical durability: 1,000 m/s² (approx. 100 G)
Malfunction durability: 200 m/s² (approx. 20 G),
100 m/s² (approx. 10 G) for ultra-sensitive type

Ambient temperature: Operating/storage -25° to 70°C (-13° to 158°F)

Humidity: 35% to 85% RH

Weight: 6 g (0.21 oz)



Contact resistance: 50 mΩ max. G5V-2, G5V-2-H, 100 mΩ max. G5V-2-H1

Operate time: 7 ms max. (mean value: approx. 3.5 ms)

Release time: 3 ms max. (mean value: approx. 0.8 ms)

Bounce time: Operate: Mean value: approx. 0.5 ms

Release: Mean value: approx. 3.5 ms

Operating frequency: Mechanical: 36,000 operations/hour

Electrical: 1,800 operations/hour (under rated load)

Insulation resistance: 1,000 MΩ min (at 500 VDC)

Surge withstand voltage: 1,500 V 10 X 160 μs (conforms to part 68 of FCC rules)

Vibration: 10 to 55 Hz, 1.50 mm (0.59 in) double amplitude

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17281	G5V-2-DC24V	OMRON	General Usage 2A Relay	10.1*20.5*11.5mm	DPDT	0.6A/125VAC, 0.6A/110VDC, 2.0A/30VDC	3 to 48 VDC, 3 to 24 VDC	UL(File No. E41515) / CSA(File No. LR24825)	G5V-2
34018	G5V-2-DC12V	OMRON	Low Signal Relay		DPDT		12V		G5V-2
48040	G5V-2-H-DC24V	OMRON	High-sensitivity Relay	10.1*20.5*11.5mm	DPDT		24V	UL(File No. E41515) / CSA(File No. LR24825)	G5V-2-H
48003	G5V-2-H1-DC12V	OMRON	OMRON_PCB Relay	10.1*20.5*11.5mm	DPDT		12V	UL(File No. E41515) / CSA(File No. LR24825)	G5V-2-H1
41047	G5V-2-H1-DC24V	OMRON	PCB Relay	10.1*20.5*11.5mm	DPDT	1.0A/24VDC	3 to 48 VDC	UL(File No. E41515) / CSA(File No. LR24825)	G5V-2-H1
18174	G5V-2-H1-DC5V	OMRON	High-sensitivity Relay	10.1*20.5*11.5mm	DPDT	0.5A/125V 1.0A/24VDC	5V	UL(File No. E41515) / CSA(File No. LR24825)	G5V-2-H1



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