



General Information

Kit Part Number:	G2-G5-G6-01-KIT
Description:	12VDC Coil Relay Kit
Application:	Computer Peripherals, Security Equipment, Telecommunications
OMRON Series:	G2R Series, G2RL Series, G5LE Series, G5V Series, G6B Series, G6E Series, G6RN Series
Solution:	Relays, Single Coil Voltage Relays
Product Type:	Relays
Number of Pieces:	16
RoHS:	Yes

Specifications

Coil Power Consumption:	150mW, 200mW, 220mW, 400mW, 500mW, 530mW
Coil Voltage:	12 VDC
Contact Form:	SPST-NO, SPDT, DPDT, SPST-NC
Mounting Style:	Through Hole
Operating Current:	1A, 2A, 3A, 4A, 5A, 8A, 10A
Operating Voltage:	30 VDC, 60 VDC, 125 VAC, 125 VDC, 220 VDC, 250 VAC, 380 VAC
Relay Contact Form:	1 Form A + 1 Form B, 1 Form A, 1 Form C, 2 Form C
Switching Capability (Max):	24W, 30W, 60W, 120W, 150W, 240W, 300W

Product Highlights

The G6RN relays are Heavy-duty Low profile Miniature Relays. The G6B relays are subminiature relays that switch up to 5 amps. The G5V Series has relays of Ultra Miniature package size of (10H x 7.5W x 12.5L)mm and High Sensitivity (150 mW nominal power consumption). The G5LE relays are a cubic, single-pole 10 amp Power Relay. The G6 Series of relays has a Subminiature package size of (7.87H x 9.91W x 16L)mm. G2R Series are slim power PCB relays. The dimensions are as small as (13W x 25.5H x 29L)mm and (12.7W x 15.7H x 29L)mm for the G2RL relays. These G2R relays have highly stable magnetic circuits for latching endurance and excellent resistance to vibration and shock.

* Cut away nib on relay to increase to 8A (after PCB washing, to allow for the heat and gas to be released)

Features and Benefits

- Creepage distance of 8.0 mm min. between coil and contact
- High Capacity (16 A) and high sensitivity (360 mW) 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.
- Non-Latching relays
- Conforms to VDE (EN61810-1). UL recognized/ CSA certified
- Meets EN60335-1 requirements for household products
- Clearance and creepage distance: 10 mm/10 mm
- Coil Insulation system: Class F

Applications

- Telecommunications
- Security
- Computers/Peripherals





Bill of Materials

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
G5V-2-DC12	2	Standard Low Signal Relay, DPDT, 12Vdc, 2A, Through Hole	Datasheet	Details	Search
G5V-1-DC12	2	Ultra-miniature Low Signal Relay SPDT, 12Vdc, 1A, Through Ho...	Datasheet	Details	Search
G5LE-14-DC12	1	Power Relay Fully sealed, SPDT, 12VDC, 10A, Through-Hole PCB	Datasheet	Details	Search
G5LE-1-DC12	1	Power Relay Flux protection, SPDT, 12VDC, 10A, Through-Hole ...	Datasheet	Details	Search
G5V-2-H1-DC12	1	Ultra High Sensitivity Low Signal Relay, DPDT, 12Vdc, 1A, Th...	Datasheet	Details	Search
G5V-2-H-DC12	1	Signal Relay DPDT, 12VDC, 1A, Through-Hole PCB	Datasheet	Details	Search
G2RL-24-DC12	1	8A* Fully sealed DPDT General Purpose Relay 12Vdc	Datasheet	Details	Search
G2R-24-DC12	1	4A Sealed DPDT General purpose Relay 12Vdc	Datasheet	Details	Search
G6B-1114P-US-DC12	1	Power Relay, SPST-NO, 12DC, 5A Through-Hole PCB	Datasheet	Details	Search
G6B-2114P-US-DC12	1	Power Relay, SPST-N.O.+ N.C., 12DC, 5A, Through-Hole PCB	Datasheet	Details	Search
G6RN-1-DC12	1	Power Relay, SPDT, 12VDC, 8A, Through-Hole PCB	Datasheet	Details	Search
G6E-134P-ST-US-DC12	1	Low Signal Relay, SPDT, 12Vdc, 3A, Through Hole	Datasheet	Details	Search
G2R-1-E-DC12	1	10 A Semi-sealed SPDT High Capacity Relay 12Vdc	Datasheet	Details	Search
G2R-2-DC12	1	5A Semi-sealed DPDT General purpose Relay 12Vdc	Datasheet	Details	Search

Recommended Tool

Part No.	Included in Kit
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