



General Information

Kit Part Number:	G2R-G2RL-01-KIT
Description:	G2R / G2RL Series Power Relay Kit
Application:	Appliance Market, HVAC, Security Equipment
OMRON Series:	G2R Series, G2RL Series
Solution:	Relays
Product Type:	Relays
Number of Pieces:	12
RoHS:	Yes

Specifications

Coil Power Consumption: 400mW, 530mW

Coil Voltage: 5 VDC, 12 VDC, 24 VDC

Contact Form: SPDT, DPDT

Mounting Style: Through Hole

Operating Current: 4A, 5A, 8A, 10A

Operating Voltage: 30 VDC, 250 VAC

Relay Contact Form: 1 Form C, 2 Form C

Switching Capability (Max): 50W, 300W

Product Highlights

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
- Dual-winding latching type available
- Plug-in and quick-connect terminals available (see G2R-S(S) data sheet)
- 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
- Tracking resistance: CTI>250
- Coil Insulation system: Class F

Applications

- HVAC
- Appliance
- Security



Bill of Materials

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
G2R-1-E-DC24	1	10 A Semi-sealed SPDT High Capacity Relay 24Vdc	Datasheet	Details	Search
G2R-1-E-DC12	1	10 A Semi-sealed SPDT High Capacity Relay 12Vdc	Datasheet	Details	Search
G2R-14-DC12	1	8A Sealed SPDT General Purpose Relay 12Vdc	Datasheet	Details	Search
G2R-14-DC24	1	8A Sealed SPDT General Purpose Relay 24Vdc	Datasheet	Details	Search
G2R-2-DC12	1	5A Semi-sealed DPDT General purpose Relay 12Vdc	Datasheet	Details	Search
G2R-2-DC24	1	5A Semi-sealed DPDT General purpose Relay 24Vdc	Datasheet	Details	Search
G2R-24-DC12	1	4A Sealed DPDT General purpose Relay 12Vdc	Datasheet	Details	Search
G2R-24-DC24	1	4A Sealed DPDT General purpose Relay 24Vdc	Datasheet	Details	Search
G2R-24-DC5	1	4A Sealed DPDT General purpose Relay 5Vdc	Datasheet	Details	Search
G2RL-24-DC12	1	8A* Fully sealed DPDT General Purpose Relay 12Vdc	Datasheet	Details	Search
G2RL-24-DC24	1	8A* Fully sealed DPDT General Purpose Relay 24Vdc	Datasheet	Details	Search
G2RL-24-DC5	1	8A* Fully sealed DPDT General Purpose Relay 5Vdc	Datasheet	Details	Search

Recommended Tool

Part No.

Included in Kit







Relays

OMRON
ELECTRONIC COMPONENTS

Kit Part No. **G2R-G2RL-01-KIT**

G2R / G2RL Series Power Relay Kit

Printed Circuit Board (PCB) Through Hole Relays

- Contact Form: SPDT (1 Form C), DPDT (2 Form C)
- Operating Current: 4A, 5A, 13-181* A and 10Amps
- Coil Voltages: 5Vdc, 12Vdc and 24Vdc
- Switching Capability (max.): 150W and 300 Watts
- General Purpose and High Capacity Relays
- Sealed, Semi-Sealed and Fully Sealed Relays

Additional kits available at: www.omronkits.com

* Transducer Output (max. 100mA), Contact Current (max. 100mA)

12
pieces



Product Image (Front View) is for reference only and does not represent the actual product.