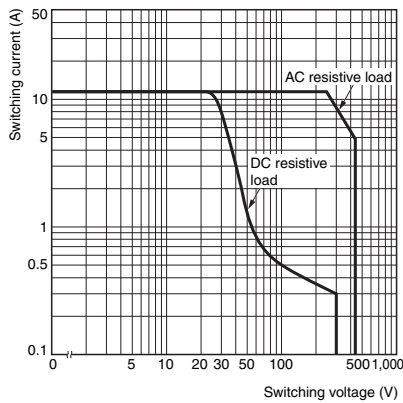


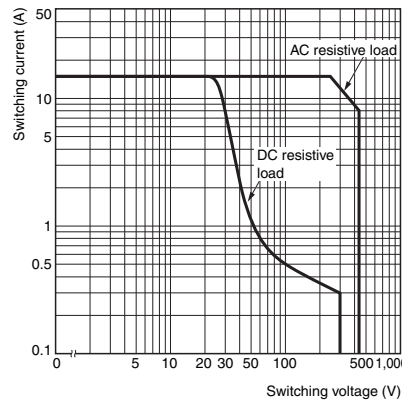
Engineering Data

Maximum Switching Capacity

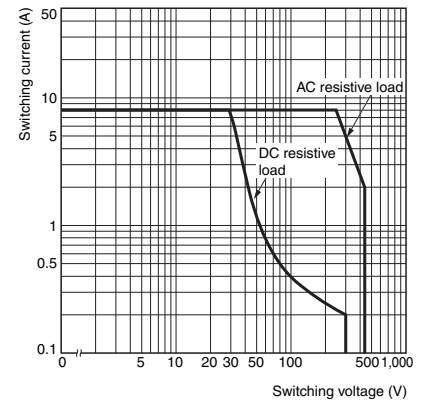
1-pole Standard type



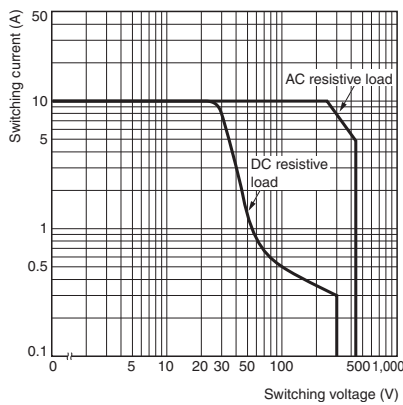
1-pole High-capacity type



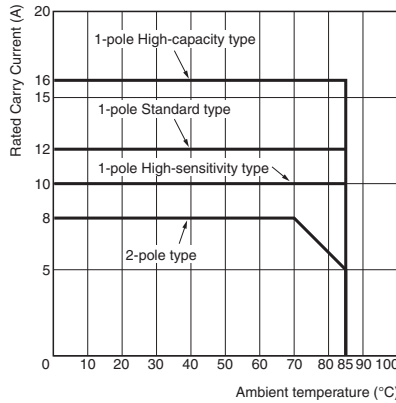
2-pole type



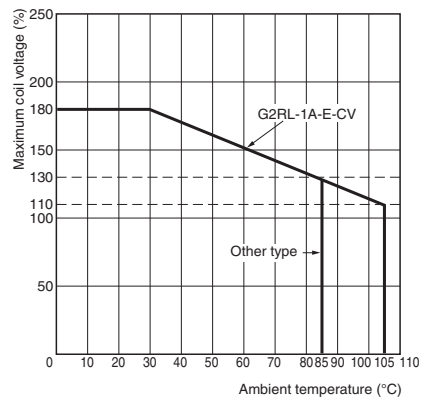
High-sensitivity type



Ambient Temperature vs. Rated Carry Current

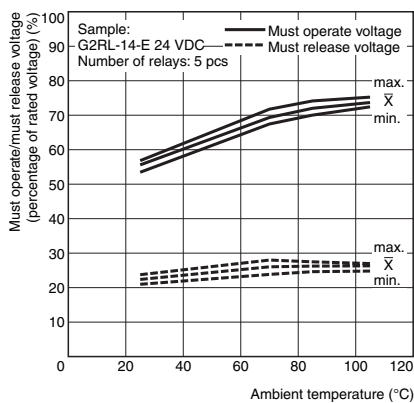


Ambient Temperature vs. Maximum Coil Voltage



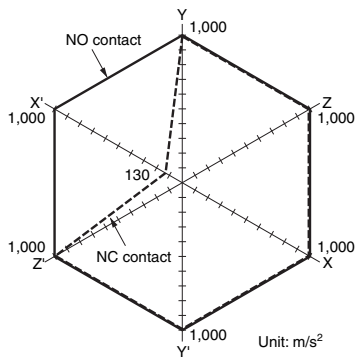
Note. The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

Ambient Temperature vs. Must Operate and Must Release Voltages

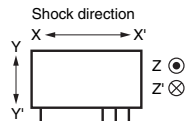


● Shock Malfunction

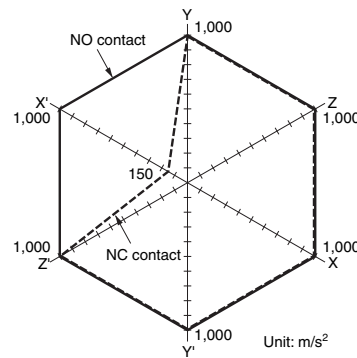
1-pole type



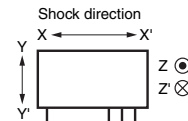
Sample: G2RL-14 12 VDC
 Number of Relays: 5 pcs
 Test conditions: Shock is applied in $\pm X$, $\pm Y$, and $\pm Z$ directions three times each with without energizing the Relays to check the number of malfunctions.
 Requirement: None malfunction
 100 m/s²



2-pole type



Sample: G2RL-24 12 VDC
 Number of Relays: 5 pcs
 Test conditions: Shock is applied in $\pm X$, $\pm Y$, and $\pm Z$ directions three times each with without energizing the Relays to check the number of malfunctions.
 Requirement: None malfunction
 100 m/s²



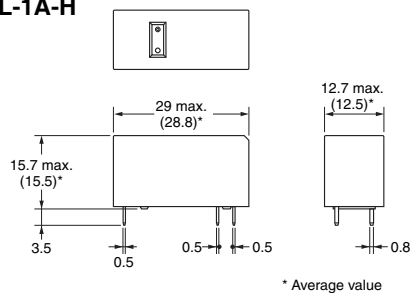
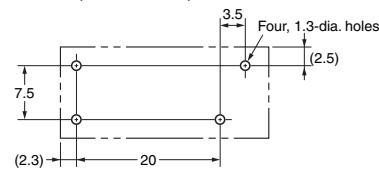
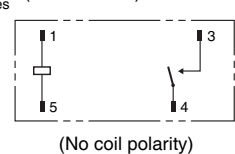
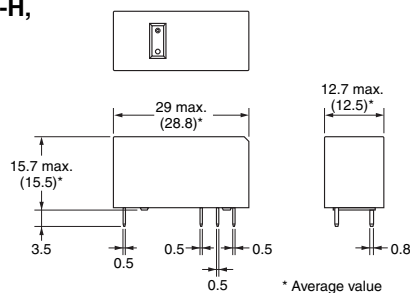
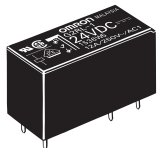
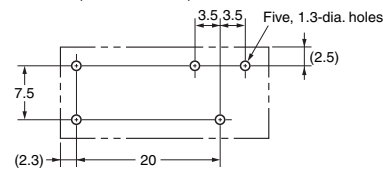
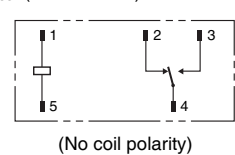
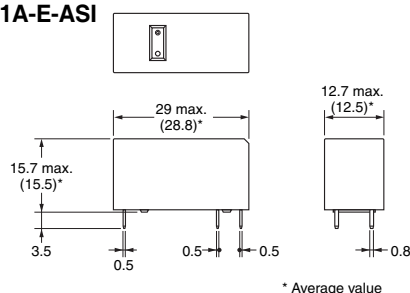
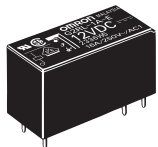
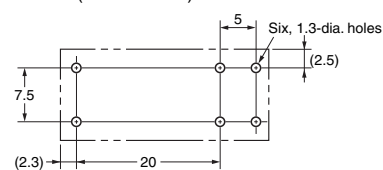
■ Electrical Endurance Data (Reference Value)

G2RL-1-E	8 A 250 VAC ($\cos\phi=0.4$) 8 A 30 VDC (L/R=7 ms)	200,000 operation min. (N.O.) 10,000 operation min. (N.O.)
G2RL-1	5 A 250 VAC ($\cos\phi=0.4$) 5 A 30 VDC (L/R=7 ms)	150,000 operation min. (N.O.) 10,000 operation min. (N.O.)
G2RL-2	8 A 250 VAC ($\cos\phi=1$) 8 A 30 VDC	30,000 operation min. 10,000 operation min.
G2RL-1A-E	Pilot duty (A300), 250 VAC Pilot duty (A300), 125 VAC	250,000 operation min. 150,000 operation min.

Note. The results shown reflect values at ambient temperature 23°C. Electrical endurance will vary depending on the test conditions.
 Contact your OMRON representative if you require more detailed information for the electrical endurance under your test condition.

■ Dimensions (Unit: mm)

G2RL-1A, G2RL-1A4, G2RL-1A-H

PCB Mounting Holes
(Bottom View)Terminal Arrangement/
Internal Connections
(Bottom View)G2RL-1, G2RL-14, G2RL-1-H,
G2RL-1-HAPCB Mounting Holes
(Bottom View)Terminal Arrangement/
Internal Connections
(Bottom View)G2RL-1A-E(-HA), G2RL-1A4-E,
G2RL-1A-E-CV(-HA), G2RL-1A-E-ASIPCB Mounting Holes
(Bottom View)Terminal Arrangement/
Internal Connections
(Bottom View)