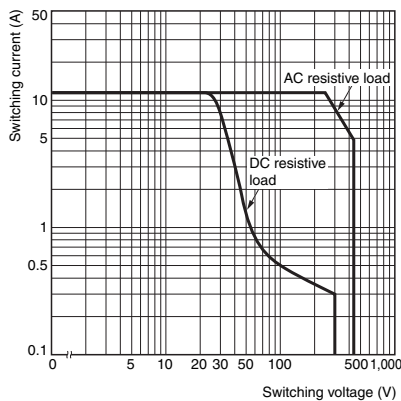


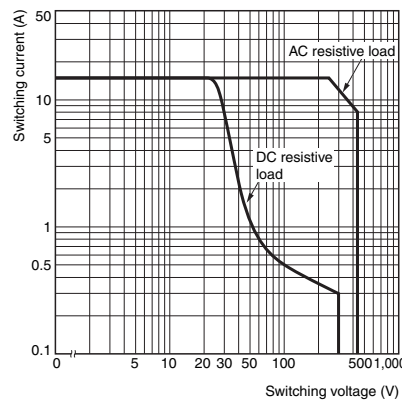
Engineering Data

Maximum Switching Capacity

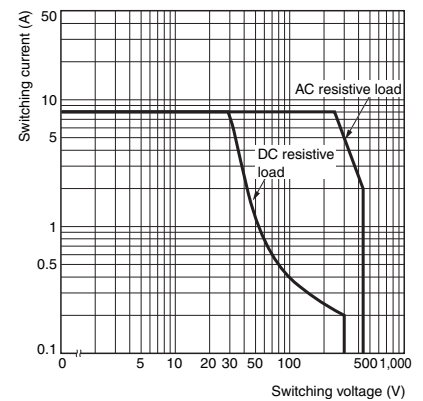
G2RL-1A, G2RL-1



G2RL-1A-E, G2RL-1-E

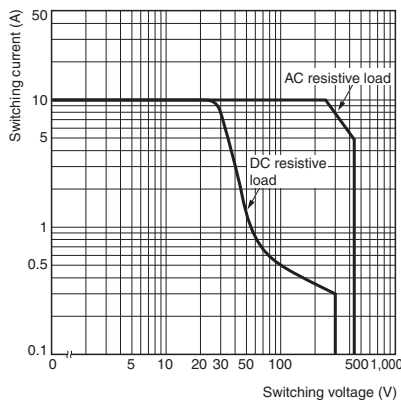


G2RL-2A, G2RL-2

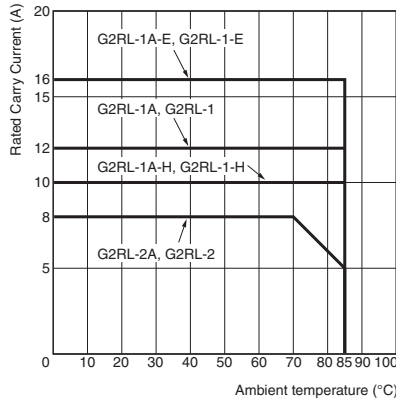


High-sensitivity models

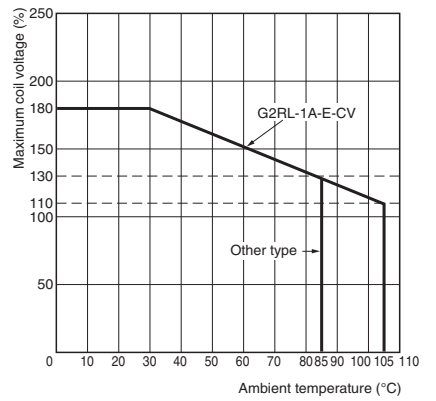
G2RL-1A-H, G2RL-1-H



Ambient Temperature vs. Rated Carry Current

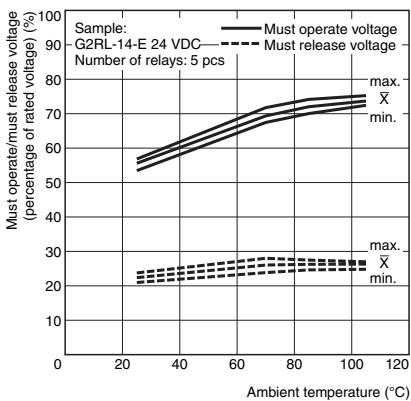


Ambient Temperature vs. Maximum Coil Voltage



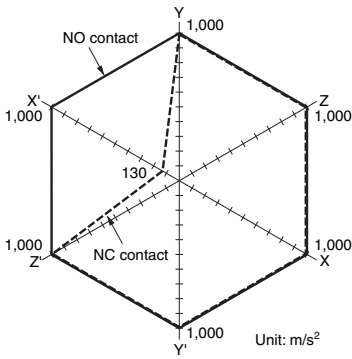
Note. The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

Ambient Temperature vs. Must Operate and Must Release Voltages

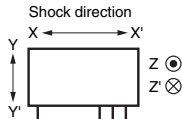


● Shock Malfunction

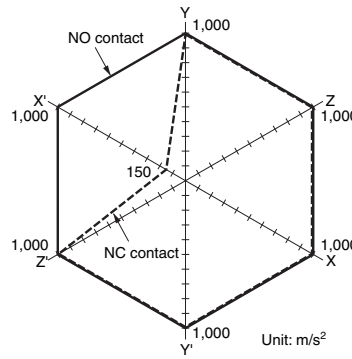
G2RL-1 (A)-E



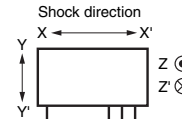
Sample: G2RL-14 12 VDC
 Number of Relays: 5 pcs
 Test conditions: Shock is applied in $\pm X$, $\pm Y$, and $\pm Z$ directions three times each with without energizing the Relays to check the number of malfunctions.
 Requirement: None malfunction
 100 m/s²



G2RL-2 (A)



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



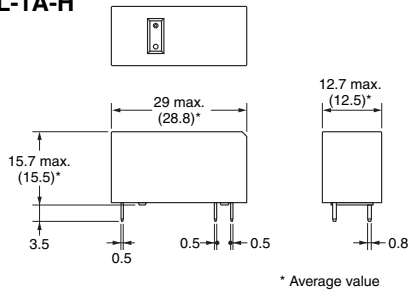
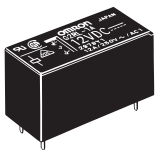
■ Electrical Endurance Data (Reference Value)

G2RL-1	5 A 250 VAC (cosφ=1)	150,000 operations nim. (N.O.)
	5 A 24 VDC (L/R=7 ms)	20,000 operations nim. (N.O.)
G2RL-1-E	8 A 250 VAC (cosφ=1)	200,000 operations nim. (N.O.)
	8 A 24 VDC (L/R=7 ms)	10,000 operations nim. (N.O.)
	Pilot duty (A300), 250 VAC	250,000 operations nim. (N.O.)
	Pilot duty (A300), 125 VAC	150,000 operations nim. (N.O.)

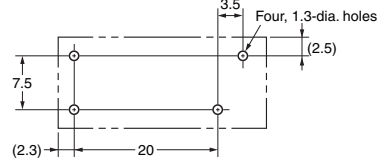
Note. The results shown reflect values at ambient temperature 23°C. Electrical endurance will vary depending on the test conditions.
 Contact your OMRON representative if you require more detailed information for the electrical endurance under your test condition.

■ Dimensions (Unit: mm)

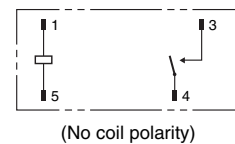
G2RL-1A, G2RL-1A4, G2RL-1A-H



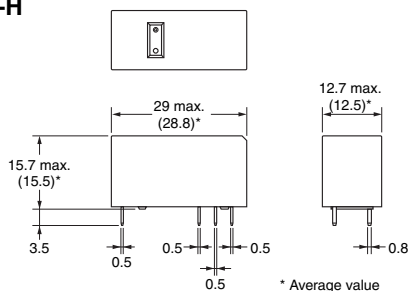
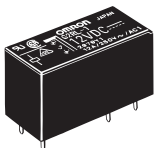
PCB Mounting Holes (Bottom View)



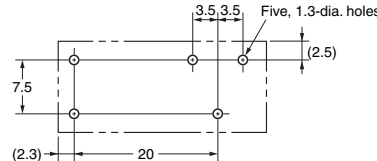
Terminal Arrangement/ Internal Connections (Bottom View)



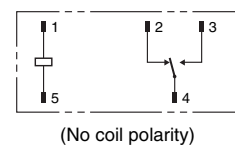
G2RL-1, G2RL-14, G2RL-1-H



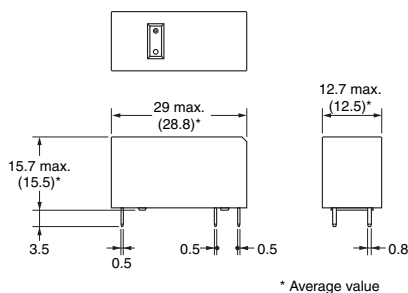
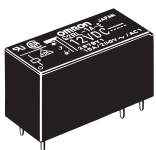
PCB Mounting Holes (Bottom View)



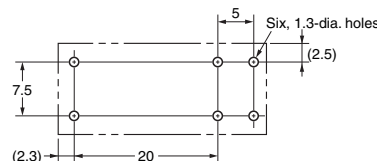
Terminal Arrangement/ Internal Connections (Bottom View)



G2RL-1A-E (-HA), G2RL-1A4-E, G2RL-1A-E-CV



PCB Mounting Holes (Bottom View)



Terminal Arrangement/ Internal Connections (Bottom View)

