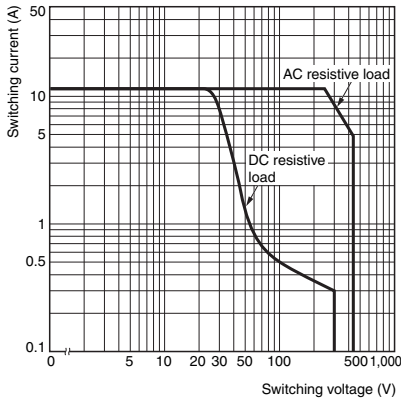


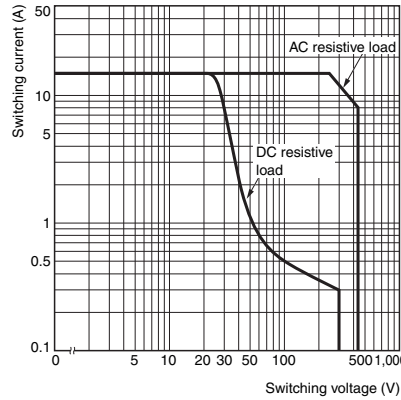
## Engineering Data

### Maximum Switching Capacity

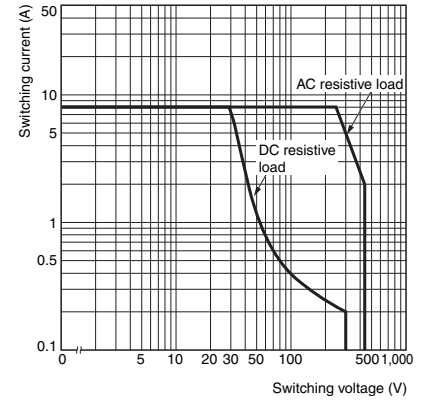
#### 1-pole Standard type



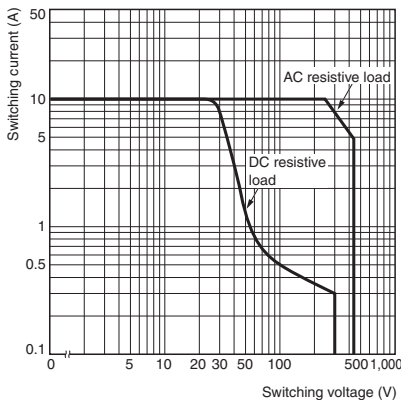
#### 1-pole High-capacity type



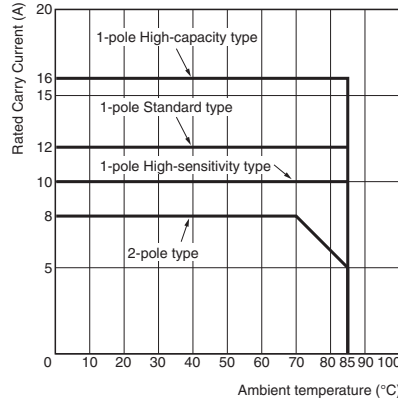
#### 2-pole type



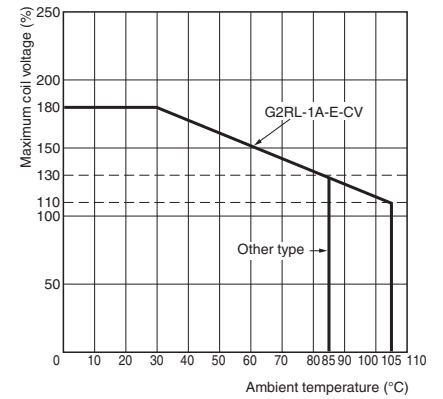
#### High-sensitivity type



### Ambient Temperature vs. Rated Carry Current

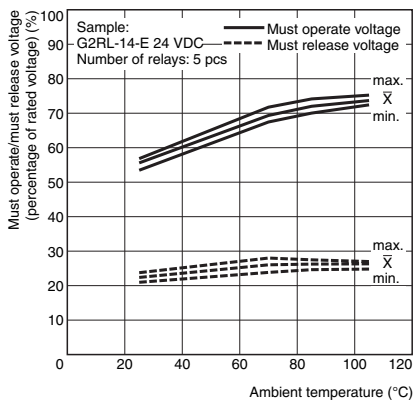


### Ambient Temperature vs. Maximum Coil Voltage



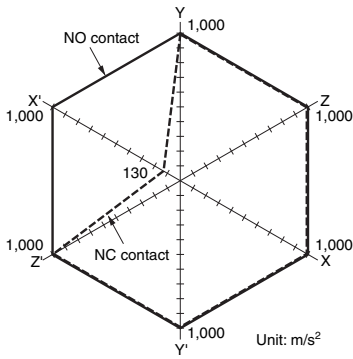
Note. The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

### Ambient Temperature vs. Must Operate and Must Release Voltages

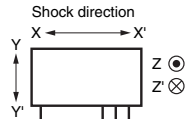


## ● Shock Malfunction

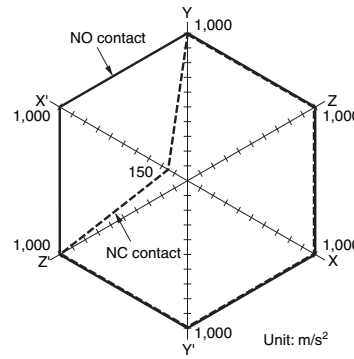
### 1-pole type



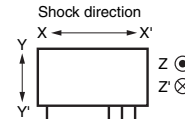
Sample: G2RL-14 12 VDC  
 Number of Relays: 5 pcs  
 Test conditions: Shock is applied in  $\pm X$ ,  $\pm Y$ , and  $\pm Z$  directions three times each with without energizing the Relays to check the number of malfunctions.  
 Requirement: None malfunction  
 100 m/s<sup>2</sup>



### 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/s<sup>2</sup>



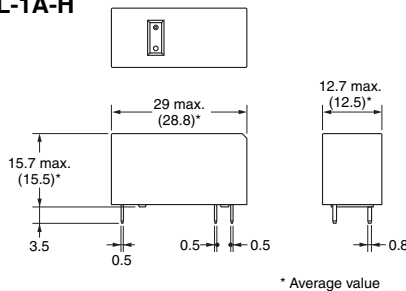
## ■ Electrical Endurance Data (Reference Value)

G2RL-1-E	8 A 250 VAC (cosφ=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 (cosφ=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 (cosφ=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.

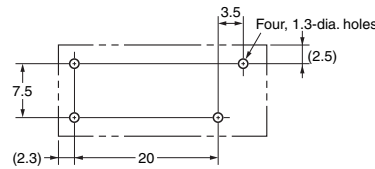
Note. The results shown reflect values at ambient temperature 23°C. Electrical endurance will vary depending on the test conditions.  
 Contact your OMRON representative if you require more detailed information for the electrical endurance under your test condition.

## ■ Dimensions (Unit: mm)

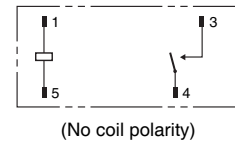
### G2RL-1A, G2RL-1A4, G2RL-1A-H



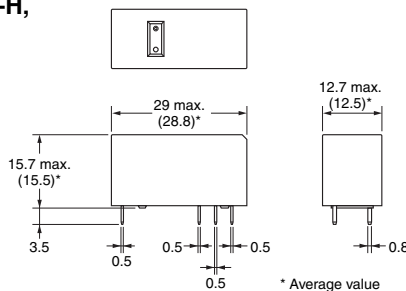
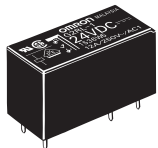
#### PCB Mounting Holes (Bottom View)



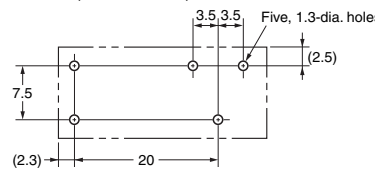
#### Terminal Arrangement/ Internal Connections (Bottom View)



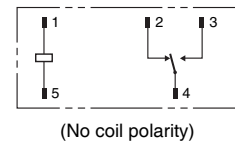
### G2RL-1, G2RL-14, G2RL-1-H, G2RL-1-HA



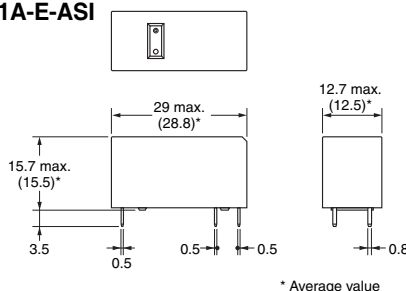
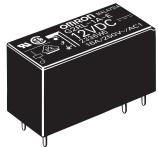
#### PCB Mounting Holes (Bottom View)



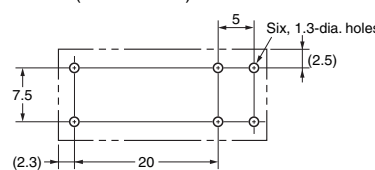
#### Terminal Arrangement/ Internal Connections (Bottom View)



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



#### PCB Mounting Holes (Bottom View)



#### Terminal Arrangement/ Internal Connections (Bottom View)

