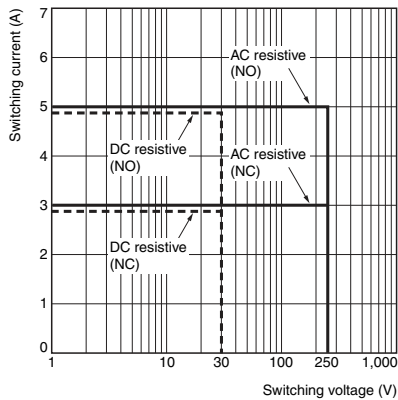


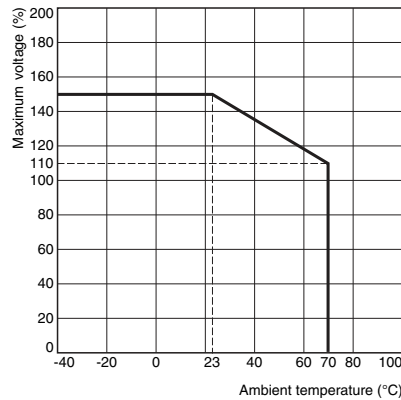


## Engineering Data

### Maximum Switching Capacity

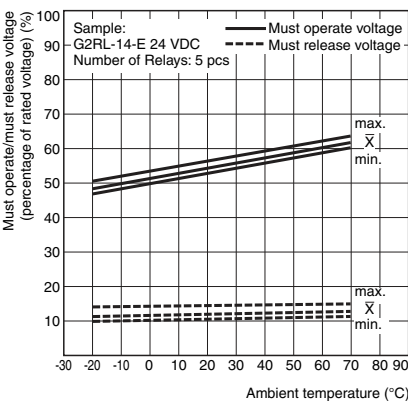


### Ambient Temperature vs. Maximum Voltage

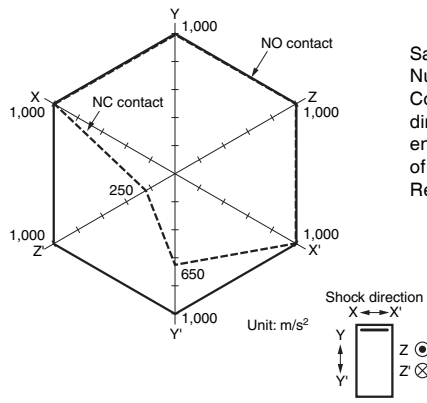


Note. The maximum voltage is the maximum voltage that can be applied to the relay cool.

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



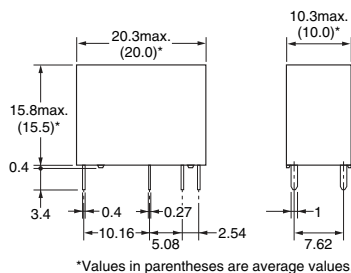
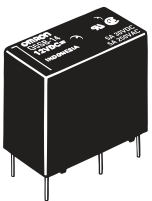
### Shock Malfunction



Sample: G5SB-14 12 VDC  
 Number of Relays: 5 pcs  
 Conditions: Shock is applied in  $\pm X$ ,  $\pm Y$ ,  $\pm Z$  directions three times each with and without energizing the Relays to check the number of malfunctions.  
 Requirement: None malfunction 100 m/s<sup>2</sup>

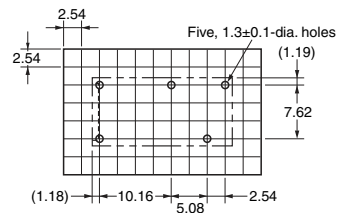
## Dimensions (Unit: mm)

### G5SB-14

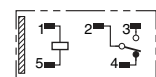


### PCB Mounting Holes (Bottom View)

Tolerance:  $\pm 0.1$  mm



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



(No coil polarity)

## Approved Standards

UL Recognized: (File No. E41515)

CSA Certified: (File No. LR31928)

Model	Coil ratings	Contact ratings	Number of test operations
G5SB	12 to 24 VDC	5A 250V AC N.O. only (Resistive) 40°C	6,000
		3A 125V AC N.O. only (Resistive) 40°C	
		5A 30V DC N.O. only (Resistive) 40°C	
		3A 250V AC N.C. only (Resistive) 40°C	
		2A 125V AC N.C. only (Resistive) 40°C	

EN/IEC, VDE Certified: (Certificate No. 40003957)

Model	Coil ratings	Contact ratings	Number of test operations
G5SB	12, 24 VDC	5A(N.O)/3A(N.C) 250V AC 70°C	10,000

## Precautions

●Please refer to “PCB Relays Common Precautions” for correct use.

· Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.  
· Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

**Note: Do not use this document to operate the Unit.**