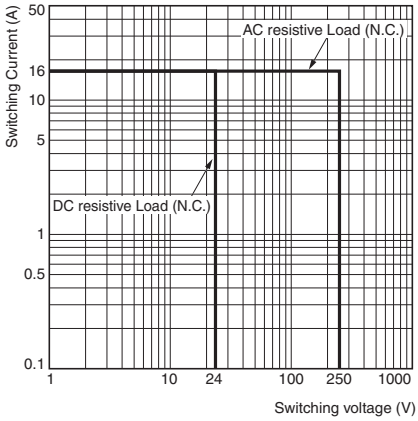
■Engineering Data

●In-Rush Resistant Performance (IEC60669-1 Certified Switching Frequency)
G5RL-K1A-EL-HA

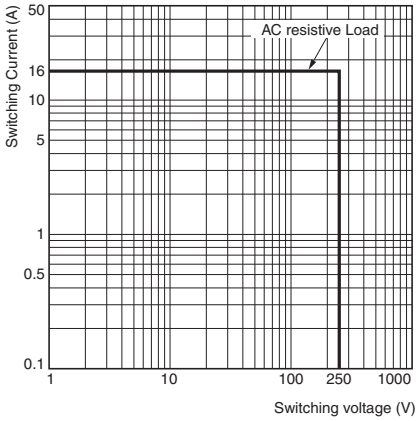
Contact form	Operation coil rating	Contact ratings	Number of test operations
SPST-NO (1a)	5 to 24 VDC	IEC60669-1 16A 250VAC Capacitor 140 μF room temperature	20,000

●Maximum Switching Power

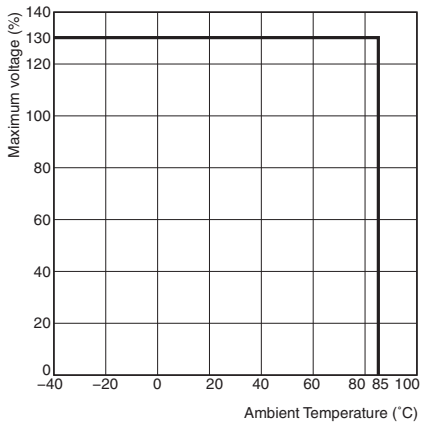
High-Capacity



In-Rush Resistance

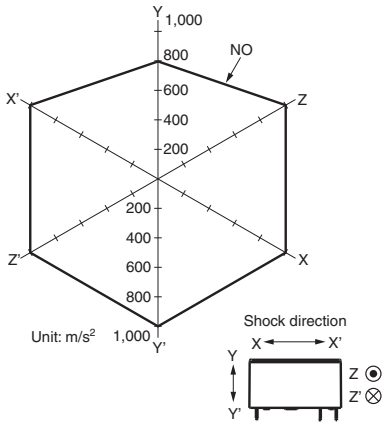


●Ambient Temperature vs. Maximum Coil Voltage



Note. Maximum voltage of set pulse and reset pulse at duty factor 10%.

●Malfunction Shock

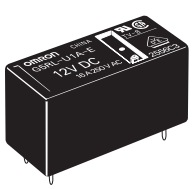


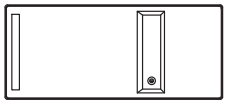
Sample: G5RL-K1A-E 12VDC
No. of relays: 5 pcs
Test conditions: Shock is applied in ±X, ±Y, and ±Z directions three times each with set and reset status to check the number of contact malfunctions.
Standard value: 50 m/s² with set status
100 m/s² with reset status

■Dimensions

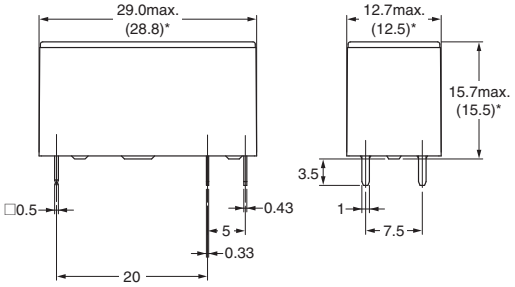
(Unit: mm)

G5RL-U1A-E

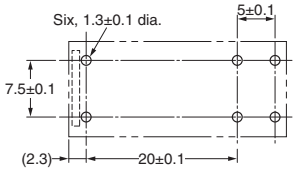




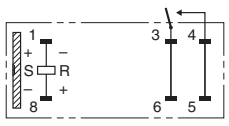
* Average value



PCB Mounting Holes
(BOTTOM VIEW)



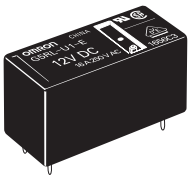
Terminal Arrangement/ Internal Connections
(BOTTOM VIEW)

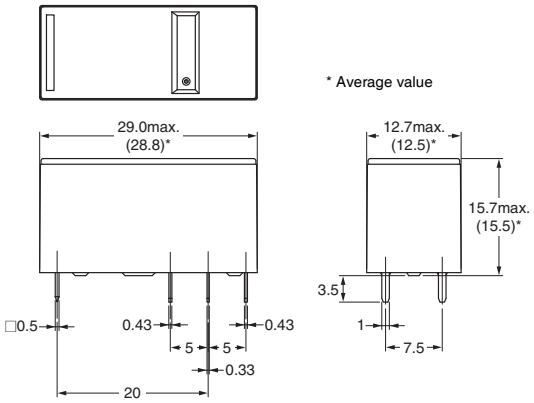


Note. Check carefully the coil polarity of the relay.

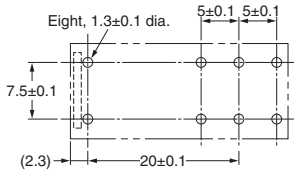
Note. Orientation marks are indicated as follows: □ ▨

G5RL-U1-E

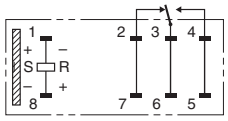




PCB Mounting Holes
(BOTTOM VIEW)



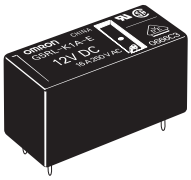
Terminal Arrangement/ Internal Connections
(BOTTOM VIEW)

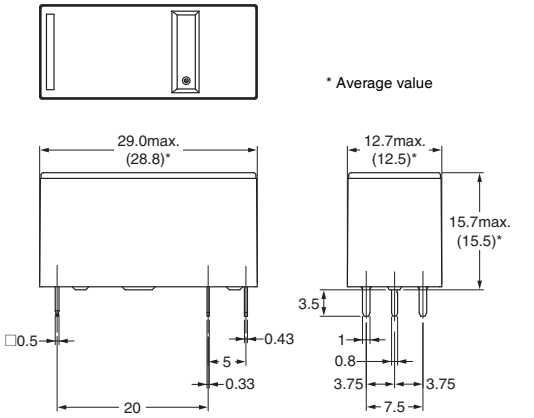


Note. Check carefully the coil polarity of the relay.

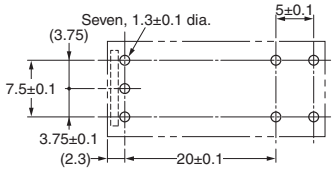
Note. Orientation marks are indicated as follows:

G5RL-K1A-E

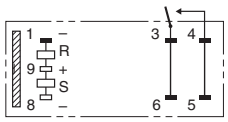




PCB Mounting Holes
(BOTTOM VIEW)



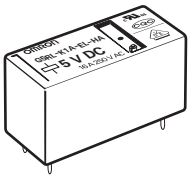
Terminal Arrangement/ Internal Connections
(BOTTOM VIEW)

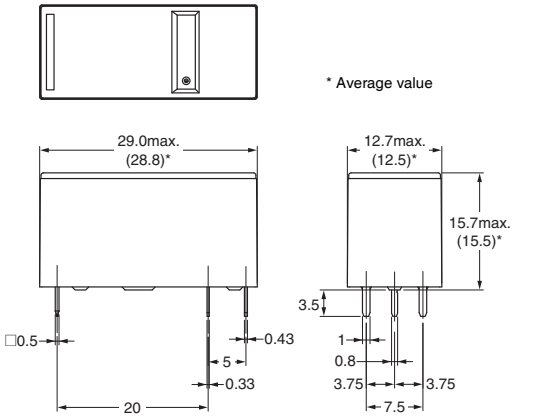


Note. Check carefully the coil polarity of the relay.

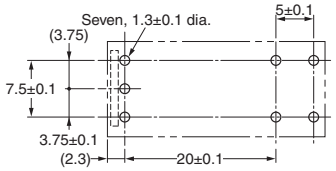
Note. Orientation marks are indicated as follows:

G5RL-K1A-EL-HA

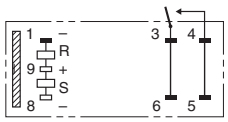




PCB Mounting Holes
(BOTTOM VIEW)



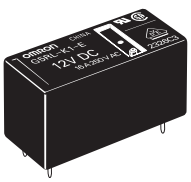
Terminal Arrangement/ Internal Connections
(BOTTOM VIEW)

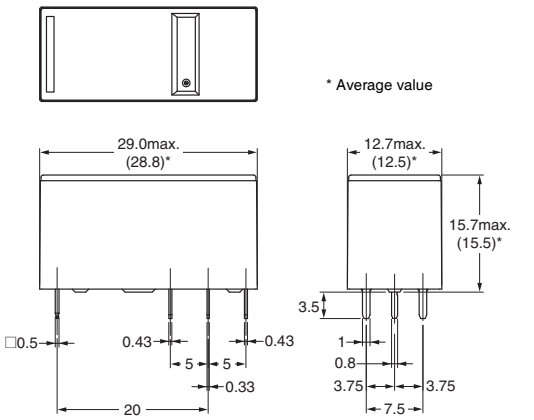


Note. Check carefully the coil polarity of the relay.

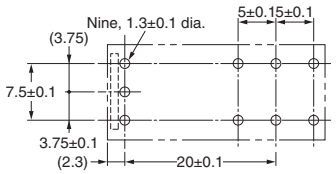
Note. Orientation marks are indicated as follows:

G5RL-K1-E

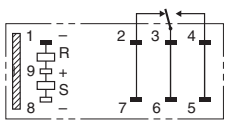




PCB Mounting Holes
(BOTTOM VIEW)



Terminal Arrangement/ Internal Connections
(BOTTOM VIEW)



Note. Check carefully the coil polarity of the relay.

Note. Orientation marks are indicated as follows: