

■ Characteristics

Contact resistance	100mΩ max.
Operate time	10ms max.
Release time	5ms max.
Bounce time	Operate : Approx. 0.6 ms Release : Approx. 7.2 ms
Max. switching frequency	Mechanical : 18,000 operations/hr Electrical : *1,800 operations/hr
Insulation resistance	100MΩ min. (at 500VDC)
Dielectric strength	750VAC (for suffix -E), 50/60 Hz for 1 min. between contacts of same polarity 1500VAC (for suffix -G), 50/60 Hz for 1 min. between contacts of same polarity 2,000VAC, 50/60 Hz for 1 min. between coil and contacts
Impulse withstand voltage	4,500V between coil and contacts, 1.2 X 50 μsec
Vibration resistance	Destruction : 10 to 55Hz, 1.5mm double amplitude Malfunction : 10 to 55Hz, 1.5mm double amplitude
Shock resistance	Destruction : 1,000m/s ² (approx. 100G) Malfunction : 100m/s ² (approx. 10G)
Life expectancy	Mechanical : 10,000,000 operations min. (at 18,000 operations/hr) Electrical : *100,000 operations min. (at 1,800 operations/hr, 12A 250VAC)
Ambient temperature	Operating : -40°C to 85°C
Ambient humidity	Operating : 35% to 85%
Weight	Approx. : 12g

Note : * Applicable for G5LE-1-E normally open contact only.

■ Approved Standards

UL508, UL114, UL478, UL325, UL873, UL1409 (File No. E41643)/CSA
C22.2 No. 14, No. 1 (File No. LR31928)

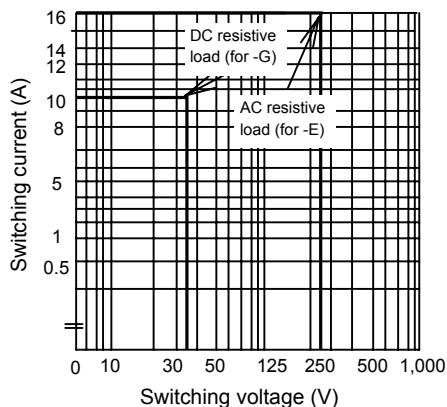
Model	Coil ratings	Contact ratings
G5LE-E/-E-36	5 to 24 VDC	16 A, 250 VAC (general use, normally open contact, 50,000 cycles) 12 A, 250 VAC (general use, normally open contact, 105°C, 100,000 cycles) 12 A, 250 VAC (general use, normally close contact, 30,000 cycles)
G5LE-G	9 to 24 VDC	10 A, 35 VDC (resistive, normally open contact, 100,000 cycles) 10 A, 35 VDC (resistive, normally close contact, 50,000 cycles)

EN61810-1 (2nd Ed) / EN60255-25 (VDE Reg. No. 6850)

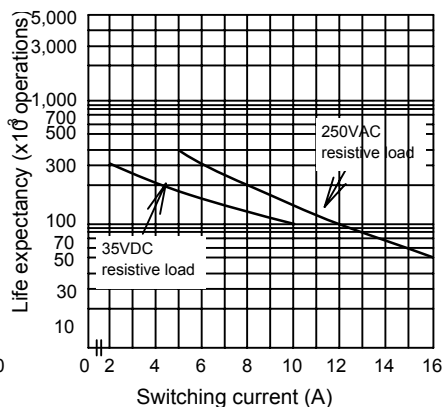
Model	Coil Rating	Contact rating
G5LE-E/-E-36	5 to 24 VDC	16 A, 250 VAC (resistive, normally open contact, 85°C 50,000 cycles) 12 A, 250 VAC (resistive, normally open contact, 105°C, 75,000 cycles)
G5LE-G	9 to 24 VDC	10 A, 35 VDC (resistive, normally open contact, 100,000 cycles) 10 A, 35 VDC (resistive, normally close contact, 50,000 cycles)

Engineering Data

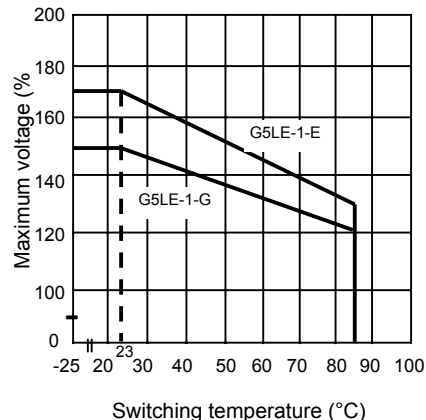
Max. Switching Capacity



Life Expectancy



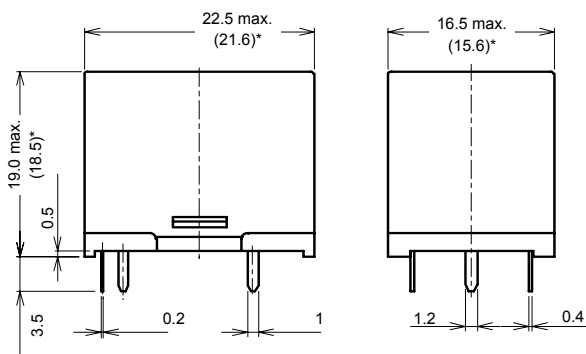
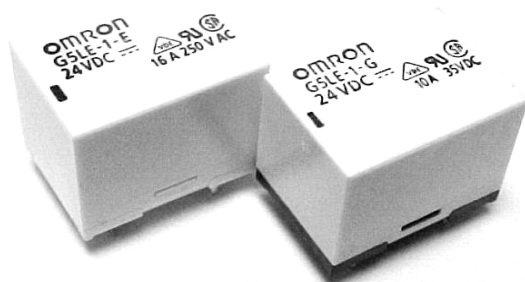
Ambient Temp. Vs Max. Voltage



Note: The maximum coil voltage refers to the maximum value in a varyin range of operating power voltage not a continuous voltage

Dimensions

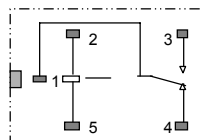
- Note:** 1. All units are in millimeters unless otherwise indicated.
2. Orientation marks are indicated as follows :



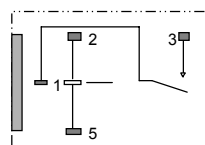
*Average value

Terminal Arrangement/Internal Connections (Bottom View)

SPDT



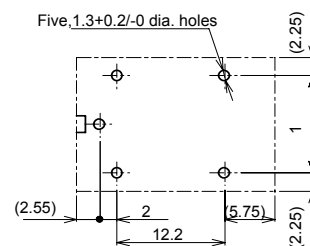
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Mounting Holes (Bottom View)

Tolerance: ± 0.1 mm unless specified

SPDT



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