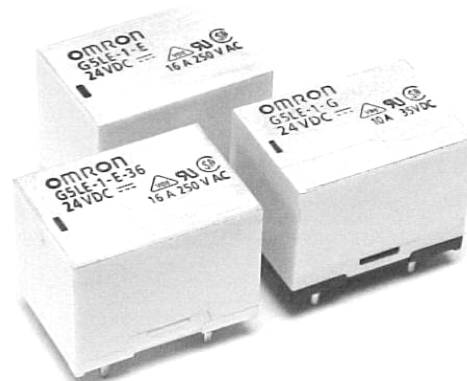


Single-pole 10A35VDC 0.8mm Contact Gap Power Relay : G5LE-G

Single-pole 16A250VAC Power Relay : G5LE-E

- Sub-miniature 'sugar cube' relay with universal terminal footprint.
- UL class-F coil insulation system.
- Tracking resistance: CTI>250.
- Withstands impulse of up to 4,500 V.
- RoHS compliant.



Ordering Information

Enclosure Rating	Contact Form	Rated load	
		10A 35VDC	16A 250VAC
Flux protection	SPDT	G5LE-1-G	G5LE-1-E
	SPST-NO	G5LE-1A-G	G5LE-1A-E

Note: When ordering, add the rated coil voltage to the number.

Examples : G5LE-1-E 12 VDC
└──────────┘ Rated coil voltage

Model Number Legend

G5LE - - - - - - - VDC
1 2 3 4 5 6 7 8

1. Number of Poles

1 : 1 pole

2. Contact Form

None : SPDT
A : SPST-NO

3. Enclosure ratings

None : Flux protection

4. Insulation System

None : Class F (155°C)

5. Classification

G : 0.8mm contact gap type
E : High capacity type

6. Coil Power Consumption / Coil Characteristics

None : Approx. 400mW (applicable to suffix -E only)
None : Approx. 700mW (applicable to suffix -G only)
36 : Approx. 360mW (applicable to suffix -E only)

7. Packaging

None : Standards Polystyrene tray
SP : Anti-static Tube packing

8 Rated Coil Voltage

5, 12 & 24 (for suffix-E)
9, 12, 20 & 24 (for suffix-G)

Specifications

■ Coil Ratings

700-mW Type (G5LE-G)

Rated voltage	9 VDC	12 VDC	20 VDC	24 VDC
Rated current	77.8 mA	58.3 mA	35.0 mA	29.2 mA
Coil resistance	115.7 Ω	205.7 Ω	571.4 Ω	822.9 Ω
Must operate voltage	75% of rated voltage (max.)			
Must release voltage	10% of rated voltage (min.)			
Max. voltage	120% of rated voltage at 85°C, 150% of rated voltage at 23°C			
Power consumption	Approx. 700 mW			

Note: The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of $\pm 10\%$.

400-mW Type (G5LE-E)

Rated voltage	5 VDC	12 VDC	24 VDC
Rated current	80.0 mA	33.3 mA	16.7 mA
Coil resistance	62.5 Ω	360.0 Ω	1440.0 Ω
Must operate voltage	75% of rated voltage (max.)		
Must release voltage	10% of rated voltage (min.)		
Max. voltage	130% of rated voltage at 85°C, 170% of rated voltage at 23°C		
Power consumption	Approx. 400 mW		

Note: The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of $\pm 10\%$.

360-mW Type (G5LE-E-36)

Rated voltage	5 VDC	12 VDC	24 VDC
Rated current	72.0 mA	30.0 mA	15.0 mA
Coil resistance	69.4 Ω	400.0 Ω	1600.0 Ω
Must operate voltage	75% of rated voltage (max.)		
Must release voltage	10% of rated voltage (min.)		
Max. voltage	130% of rated voltage at 85°C, 170% of rated voltage at 23°C		
Power consumption	Approx. 360 mW		

Note: The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of $\pm 10\%$.

■ Contact Ratings

Item	G5LE-G	G5LE-E/-E-36
Load	Resistive load ($\cos \phi=1$)	Resistive load ($\cos \phi=1$)
Rated load	10A at 35VDC	16A at 250VAC
Rated carry current	10A	16A
Max. switching voltage	35VDC	250VAC
Max. switching current	DC : 10A	AC : 16A
Max. switching capacity	350W	4000VA
Min. permissible load	100mA at 5VDC	100mA at 5VDC