

■ Characteristics

Item	G6D-F4B
	Relay output
Contact resistance (see note 2)	100 mΩ max.
Must operate time (see note 3)	10 ms max.
Release time (see note 3)	10 ms max.
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min between coil and contacts.
	1,500 VAC, 50/60 Hz for 1 min between contacts of different polarity
	750 VAC, 50/60 Hz for 1 min between contacts of same polarity
Impulse withstand voltage (between coil and contacts)	4,000 V (1.2 × 50 μs)
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 0.75-mm single amplitude (1.5-mm double amplitude) Malfunction: 10 to 55 to 10 Hz, 0.75-mm single amplitude (1.5-mm double amplitude)
Shock resistance	Destruction: 500 m/s ² Malfunction: 100 m/s ²
Endurance	Mechanical: 20,000,000 operations min. (at 18,000 operations/hr)
	Electrical: 100,000 operations min. (3 A at 250 VAC, resistive load) 100,000 operations min. (3 A at 30 VDC, resistive load) (at 1,800 operations /hr)
Ambient temperature	Operating: -25°C to 55°C (with no icing)
Ambient humidity	Operating: 45% to 85%
Weight	Approx. 65 g

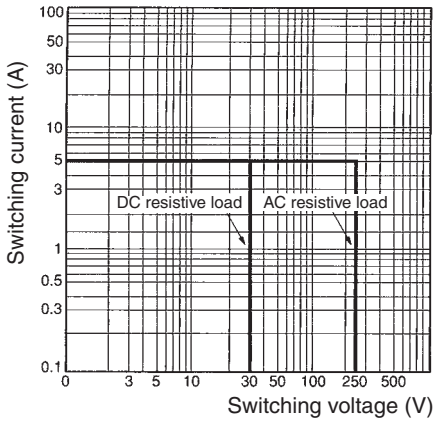
- Note:** 1. The above values are initial values.
 2. Measurement condition: 1 A at 5 VDC
 3. Ambient temperature condition: 23°C

Item	G3DZ-F4B
	Power MOS FET relay output
Must operate time	10 ms max.
Release time	15 ms max.
Output ON-resistance	2.4 Ω max.
Leakage current at OFF state	10 μA max. (at 125 VDC)
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min between input and output terminals
	1,500 VAC, 50/60 Hz for 1 min between contacts of different polarity
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 0.75-mm single amplitude (1.5-mm double amplitude)
Shock resistance	Destruction: 500 m/s ²
Ambient temperature	Operating: -25°C to 55°C (with no icing)
Ambient humidity	Operating: 45% to 85%
Weight	Approx. 65 g

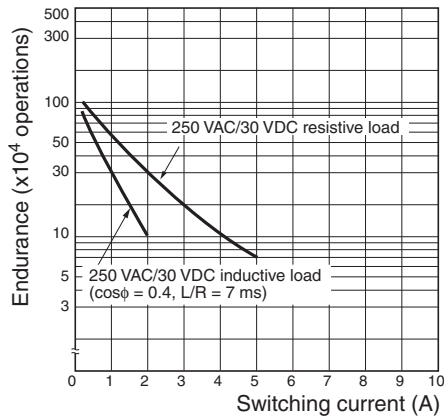
Engineering Data

Maximum Switching Power

G6D-F4B

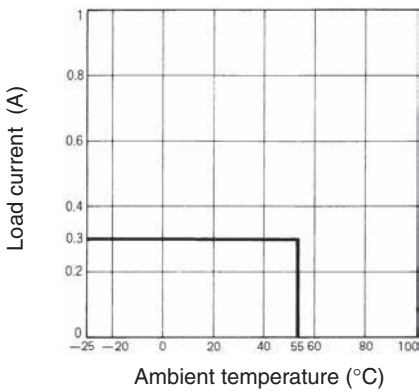


Endurance



Load Current vs. Ambient Temperature

G3DZ-F4B



Inrush Current Resistivity: Non-repetitive

Keep the inrush current to half the rated value if it occurs repetitively.

