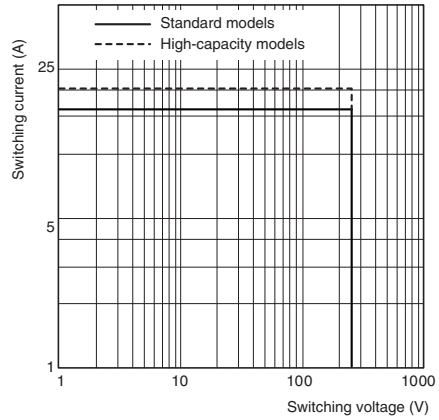
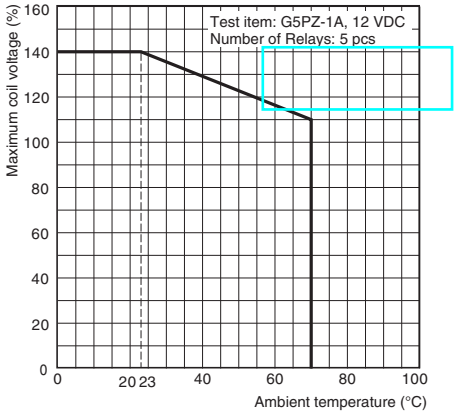
■Engineering Data

●Maximum Switching Capacity

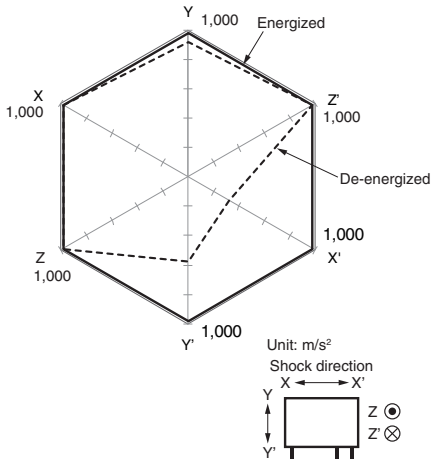


●Ambient Temperature vs. Maximum Coil Voltage



Note. The maximum coil voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

●Shock malfunction

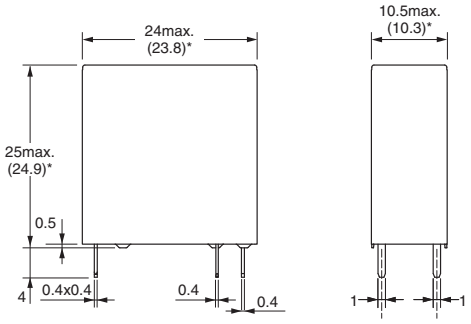


Test Item: G5PZ-1A 12 VDC
Number of Relays: 5 pcs
Test Method: Shock is applied 3 times in 6 directions along 3 axes and the level at which shock caused malfunction is measured.
The energized voltage is 100% of the rated voltage.
Rating: 200 m/s²

■Dimensions

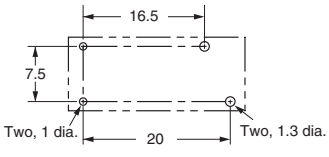
CAD Data Please visit our website, which is noted on the last page. (Unit: mm)

G5PZ



*Average value

PCB Mounting Holes
(Bottom View)
Tolerance: ±0.1 mm



Terminal Arrangement/ Internal Connections
(Bottom View)

(No coil polarity)

CAD Data

■Approved Standards

The approval rating values for overseas standards are different from the performance values determined individually. Confirm the values before use.

●UL Recognized: (File No. E41515)
CSA Certified: (File No. LR31928)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5PZ-1A	SPST-NO(1a)	5 to 24 VDC	16 A, 277 VAC (Resistive) 70°C	6,000
G5PZ-1A-E			20 A, 277 VAC (Resistive) 70°C	50,000

●EN/IEC, VDE Certified: (Certificate No. 40042966)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5PZ-1A	SPST-NO(1a)	5, 12, 24 VDC	16 A, 250 V AC (Resistive) 70°C	6,000

●EN/IEC, TÜV Certified: (Certificate No. R50408241)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5PZ-1A-E	SPST-NO(1a)	5, 12, 24 VDC	20 A, 250 VAC (cosϕ=1) 70°C	50,000

●CQC Certified: (Certificate No. CQC15002133270)

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G5PZ-1A	SPST-NO(1a)	5, 12, 24 VDC	16 A, 250 VAC (cosϕ=1) 70°C	6,000
G5PZ-1A-E			20 A, 250 VAC (cosϕ=1) 70°C	50,000

Creepage distance	9.5 mm min.
Clearance distance	6.4 mm min.
Insulation material group	III a
Type of insulation coil-contact circuit open contact circuit	Reinforced (Standerd : Pollution degree 2) (High-capacity : Pollution degree 3)
Type of disconnection open contact circuit	Micro disconnection
Rated Insulation voltage	250 VAC
Pollution degree	2
Rated voltage system	250 V
Over voltage category	III
Category of protection according to IEC 61810-1	RT II
Tracking resistance according to IEC 60112	PTI 250 V min. (housing parts)
Flammability class according to UL94	V-0