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Mini relay

G6A-274P DC12

Japanese

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G6A format list

Standard type, Crossbar / Twin, Terminal for printed circuit board, DC30V 2A (Resistive load), AC125V 0.5A (Resistive load), Output 2c (2A 30V)

Coil rating	DC12V 16.7mA
Contact configuration	2c
Contact mechanism	Crossbar Twin
Contact material	Au alloy + Ag
Contact rated load	AC125V 0.5A (Resistive load) AC125V 0.3A (Inductive load (cos φ = 0.4)) DC30V 2A (Resistive load) DC30V 1A (Inductive load (L / R = 7ms))
Terminal structure	Printed circuit board terminal

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Mini relay

G6A

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Selection, operation, setting method, etc.

Rating / performance

Information update: 2019/02/26

Rated

Product classification		Standard type single stable relay monostable
Protective structure		Plastic seal type
Terminal structure		Printed circuit board terminal
coil	Coil rating	DC12V 16.7mA
	Coil resistance	720 Ω
	Operating voltage (set voltage)	70% or less
	Return voltage (reset voltage)	More than 10
	Maximum allowable voltage	200% (23 ° C)
	power consumption	About 200mW
contact	Rated load	AC125V 0.5A (Resistive load) AC125V 0.3A (Inductive load (cos φ = 0.4)) DC30V 2A (Resistive load) DC30V 1A (Inductive load (L / R = 7ms))
	Maximum value of contact voltage	AC250V DC220V
	Maximum value of contact current	AC: 2A (Resistive load) AC: 1A (Inductive load (cos φ = 0.4)) DC: 2A (Resistive load) DC: 1A (Inductive load (L / R = 7ms))
	Contact configuration	2c
	Contact mechanism	Crossbar Twin
	Contact material	Au alloy + Ag

Performance

Contact resistance	50mΩ or less (DC1V 10mA voltage drop method)
Operating time	5 ms or less
Recovery time	3 ms or less
Insulation resistance	Between coil and contact: 1000 MΩ or more (DC500 V insulation resistance meter) Between different pole contacts: 1000 MΩ or more (DC 500 V insulation resistance meter) Between same pole contacts: 1000 MΩ or more (DC 500 V insulation resistance meter)
Withstand voltage	Between coil and contact: AC1000V 50 / 60Hz 1min Between different pole contacts: AC1000V 50 / 60Hz 1min Between same pole contacts: AC1000V 50 / 60Hz 1min
Vibration resistant (durable)	10 to 55 to 10 Hz Single amplitude 2.5 mm (Double amplitude 5 mm)
Vibration resistance (malfunction)	10 to 55 to 10 Hz Single amplitude 1.65 mm (Double amplitude 3.3 mm)
Impact resistant (durable)	1000 m / s ** 2
Shock resistance (malfunction)	500 m / s ** 2
durability	Mechanical: 100 million times or more (switching frequency 36,000 times / h) Electrical: 500,000 times or more (rated load, switching frequency 1,800 times / h)
failure rate	DC10mV 10 μ A (P level, reference value) (switching frequency 60 times / min)
Operating temperature limit	-40 to 70 ° C (with no icing or condensation)
Operating humidity range	5 to 85% RH (with no icing or condensation)
mass	Approximately 3.5 g

Information update: 2019/02/26

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