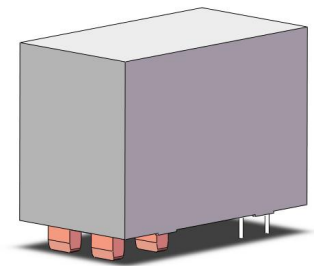


Features

- 125A switching capability
- Bistable contact form
- Only pulse excitation voltage is required, energy saving and environmental protection
- Environment-friendly product(RoHS compliant)
- Outline Dimensions:(39.4×22×27.5)mm
- Main application:Electronic control systems for telecommunication, construction machinery, trams, automobiles, trains, ships, etc



CHARACTERISTICS

Specifications	Item		
Contact Data	Contact arrangement		1A
	Contact resistance(initial)		≤2mΩ(20VDC 1A)
	Contact material		AgSnO ₂
Rated value	Rated load(Resistance load)		125A 80VDC
	Max.switching voltage		80VDC
	Max.switching current		125A
	Max.switching capacity		10000VA
	Min.allowing load		5VDC 100mA
Electrical performance	Insulation resistance(initial)		100MΩ(500VDC)
	Dielectric strength (initial)	Between open contacts	1500VAC,1min
		Between coil&contacts	1500VAC,1min
	Set time		≤30ms
	Reset time		≤30ms
	Pulse width		50ms~200ms
Mechanical performance	Shock resistance		(60-100)ops/min, Acceleration≤4g (10-200)Hz, Acceleration≤3.5g
	Vibration resistance		1×10 ⁵ ops
Endurance	Mechanical		125A 80VDC 6×10 ³ ops(ON/OFF=1s/9s)
	Electrical(Room temperature)		-25℃~60℃
Operate condition	Ambient temperature		20% to 90%
	Humidity		PCB
Termination			Approx.60g
Unit weight			Flux proofed

COIL DATA(23°C)

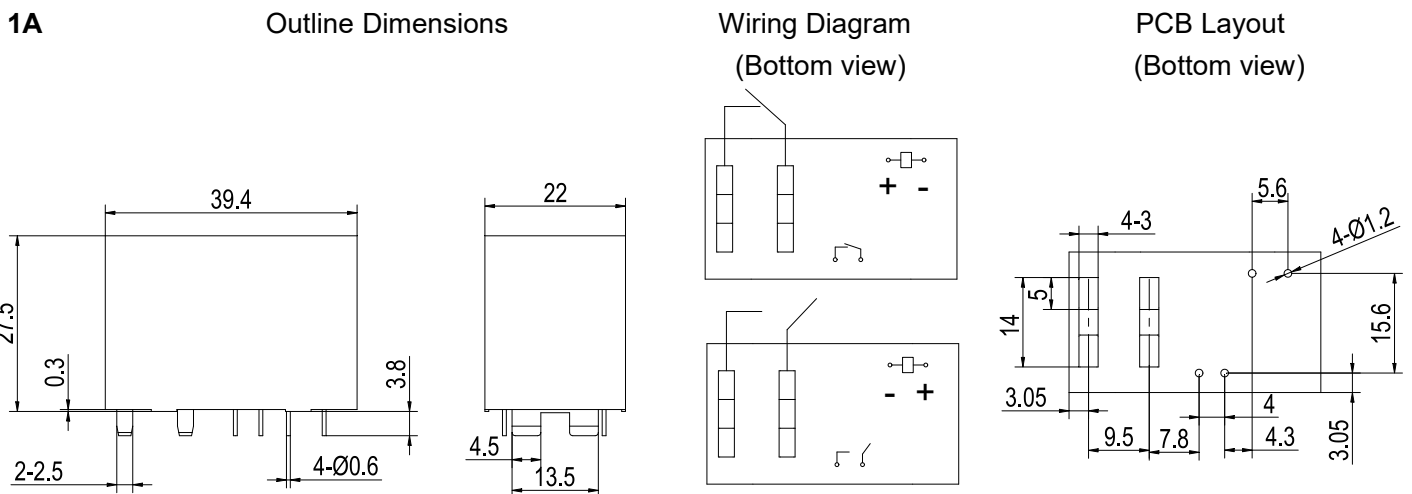
Nominal Voltage	Set Voltage VDC	Reset Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 12V	≤9.0	≤9.0	641.7mA	18.7Ω	7.7W	DC 13.2V
DC 24V	≤18.0	≤18.0	320.8mA	74.8Ω		DC 26.4V
DC 48V	≤36.0	≤36.0	160.4mA	299.2Ω		DC 52.8V
DC 60V	≤45	≤45.0	128.3mA	701.3Ω		DC 66V

ORDERING INFORMATION

FH56L -1A T -L1 -AC DC12V

- ① Type
- ② Contact arrangement: 1A=1 open contacts
- ③ Contact material: T=AgSnO₂
- ④ Coil type: L1=coil latching
- ⑤ Auxiliary contact :AC= with auxiliary contact
- ⑥ Coil specification: DC12/24/48/60V

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT (Unit:mm)

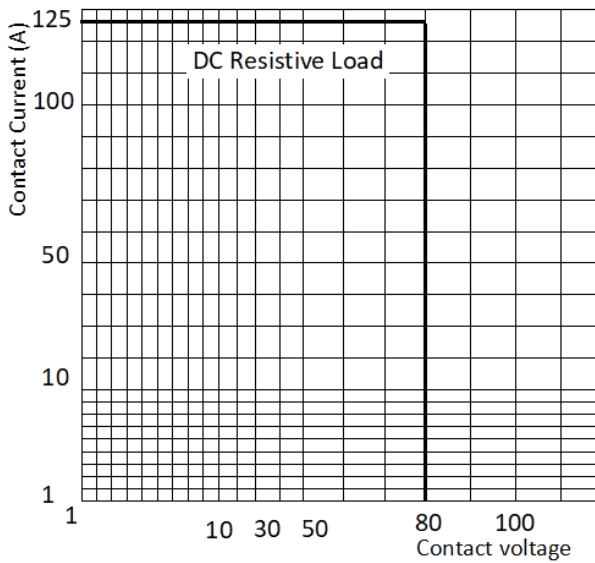


Remark:(1)In case of no tolerance shown in outline dimension:outline dimension≤1mm,tolerance should be±0.2mm;outline dimension >1mm and <5mm,tolerance should be ±0.3mm;outline dimension≥5mm,tolerance should be ±0.5mm.

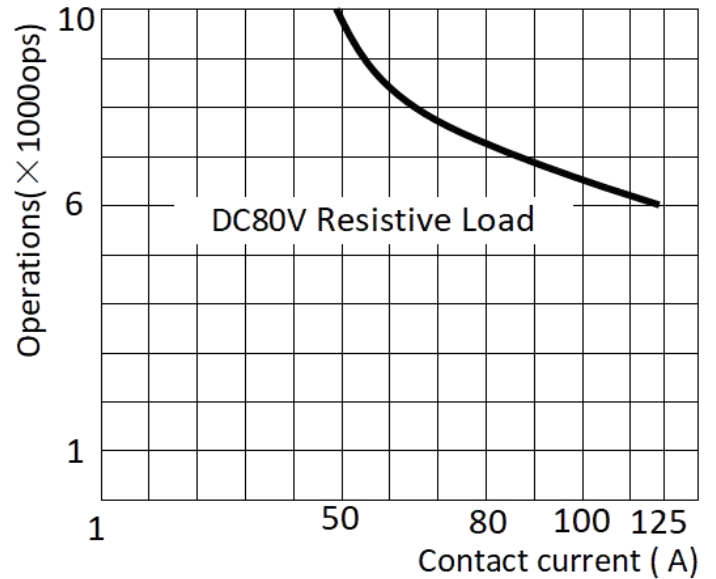
(2) The tolerance without indicating for PCB layout is always ±0.1mm.

PERFORMANCE CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE



NOTICE

- ① For the state of latching relay as delivered, if the customer has no special requirements, we default to the closed state before delivery, but due to transportation or relay installation by shock and other factors may change the state, so please reset it to the closed or open state as needed when using;
- ② In order to maintain the initial performance parameters of the relay, please be careful not to drop the product;
- ③ In order to maintain "opening" or "closing" status, energized voltage applied across the coil should reach the rated voltage, it is recommended that the actual driving voltage be 1~1.1 times the rated voltage, Pulse width 50ms~200ms, and do not energize to "opening" coil and "closing" coil simultaneously, long energized time (> 1 min) should also be avoided;
- ④ Avoid magnetic fields greater than 200mt around the product, strong magnetic fields will affect the normal operation of the product;
- ⑤ The specification is for reference only. Specifications subject to change without notice.