

Features

- 16Aswitching capability
- Single coil and double coils are all available
- Highly sensitive product, coil power consumption is 200mW
- More lower height (the height is 15.5mm)
- Breakdown voltage (between coil and contacts):4KV
- UL insulation system: Class F
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (20.2×10×15.5) mm
- Outline Dimensions: Home appliance Smart home



■ CHARACTERISTICS

Specifications	Item					
	Contact arrangement		1A、1B			
Contact Data	Contact resistance(initial)		≤50mΩ(6VDC 1A)			
	Contact material		AgSnO ₂			
	Rated load(Resistance load)		10A 250VAC			
			16A 250VAC (Standards)			
Rated value	Max.switching	g voltage	277VAC			
Rateu value	Max.switching	g current	16A			
	Max.switching capacity		4000VA			
	Min.allowing load		5VDC 100mA			
	Insulation resistance(initial)		1000MΩ(500VDC)			
	Insulation	Between open contacts	1000VAC,1min			
Electrical performance	resistance Between coil&contacts		4000VAC,1min			
	Operate time		≤10ms			
	Release time		≤10ms			
Machanical	Shock	Functional	98m/s ² (10G)			
Mechanical	resistance	Destructive	980m/s²(100G)			
performance	Vibration resistance		10Hz∼55Hz 1.5mm DA			
	Mechanical		1×10 ⁶ ops			
Endurance	Electrical		10A 250VAC	1×10 ⁵ ops (ON/OFF=1s/9s)		
			16A 250VAC	5×10 ⁴ ops (ON/OFF=1s/9s)		
Operate Ambient temperature condition Humidity		perature	-40°C∼85°C			
		5% to 90%				
Termination			PCB			
Unit weight		Approx.7g				
Construction			Plastic sealed Flux proofed			

■ COIL DATA(23°C)

■ Single coil standard

Nominal	Pick-up Voltage	Drop-out Voltage	Rated Current	Coil Resistance	Nominal	May Voltage	
Voltage	VDC	VDC	(±10%)	(±10%)	Power	Max Voltage	
DC 3V	≤2.25	≤2.25	83.3mA	36Ω		DC 4.5V	
DC 5V	≤3.75	≤3.75	50.0 mA	100Ω	250mW	DC 7.5V	
DC 12V	DC 12V ≤9.00		20.8 mA	576Ω	25011100	DC 18V	
DC 24V	≤18.00	≤18.00	10.4 mA	2304Ω		DC 36V	

■ Double coils standard

Nominal Pick-up Voltag		Drop-out Voltage Rated Current Coil Resistance		Nominal	Max Valtage		
Voltage	VDC	VDC	(±10%)	(±10%)	Power	Max Voltage	
DC 3V	≤2.25	≤2.25	166.7/166.7mA	18/18Ω		DC 4.5V	
DC 5V	≤3.75	≤3.75	100/100mA	50/50Ω	500mW	DC 7.5V	
DC 12V	DC 12V ≤9.00		41.7/41.7mA	288/288Ω	50011100	DC 18V	
DC 24V	≤18.00	≤18.00	20.8/20.8mA	1152/1152Ω		DC 36V	

■ Single coil sensitive

Nominal	Pick-up Voltage	Drop-out Voltage	Rated Current	Coil Resistance Nominal		Max Voltage	
Voltage	VDC	VDC	(±10%)	(±10%)	Power	Max Voltage	
DC 3V	≤2.25	≤2.25	66.7mA	45Ω		DC 4.5V	
DC 5V	≤3.75	≤3.75	40mA	125Ω	200mW	DC 7.5V	
DC 12V	≤9.0	≤9.0	16.7mA	720Ω	20011100	DC 18V	
DC 24V	≤18.0	≤18.0	8.3mA	2880Ω		DC 36V	

■ Double coils sensitive

Nominal	Pick-up Voltage	Drop-out Voltage	Rated Current	Coil Resistance	Coil Resistance Nominal		
Voltage VDC		VDC	(±10%)	(±10%)	Power	Max Voltage	
DC 3V	≤2.25	≤2.25	133.3/133.3mA	22.5/22.5Ω		DC 4.5V	
DC 5V	≤3.75	≤3.75	80/80mA	62.5/62.5Ω	400mW	DC 7.5V	
DC 12V	≤9.0	≤9.0	33.3/33.3mA	360/360Ω	40011100	DC 18V	
DC 24V	DC 24V ≤18.0		16.7/16.7mA	1440/1440Ω		DC 36V	

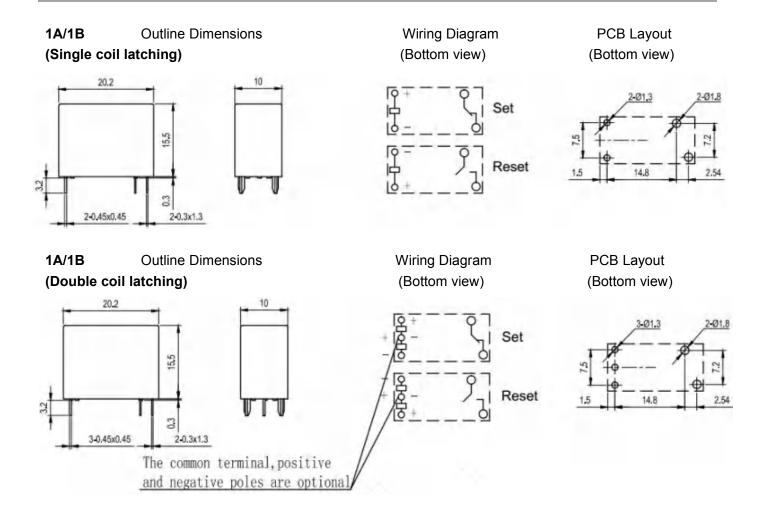
ORDERING INFORMATION

1 Type
2 Contact arrangement: 1A=1open contacts
1B=1close contacts
1B=1close contacts
3 Construction(1): Nil=Flux proofed, S=Plastic sealed
4 Contact material: T=AgSnO2
5 Coil power: Nil=Standard, L=Sensitive
6 Coil type: L1=coil latching, L2=coils latching
7 Operation polarity: Nil=standard polarity R=reversed polarity
8 Customer special code: numbers or letters denote customer's requirements
9 Coil specification: DC3/5/6/9/12/24V

ORDERING INFORMATION

(1) When used in clean environment(excluding H2S、SO2、NO2、dust and other pollutants), it is recommended to choose the Flux proofed type; When used in unclean environment(contain H2S、SO2、NO2、dust and other pollutants), it is recommended to choose the Plastic sealed.

■ 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.

SAFETY APPROVAL RATINGS

Approval	File No.	Contact arrangement	Contact material	Approved ratings 16A/10A 250VAC 85°C 20A 250VAC 85°C 5A 120VAC(LED lamp) 85°C		
UL/C-UL	E475405	1A(NO) 1B(NC)	AgSnO₂			85℃
TUV	1	/	1	1		
CQC	CQC20002266915	1A(NO)	AgSnO ₂	16A/10A 20A	250VAC 250VAC	85℃ 85℃
EANJAD Theilang Fanhar Floetronics Co. Ltd.						

■ NOTICE

- ① With the consideration of shock risen from transit and relay mounting,relay's initial state might be changed ,please impose pulse voltage to reset the relay before using(rated coil voltage,impulse width≥5 times operation time.
- 2 In order to maintain the initial performance parameters of the relay, please be careful not to drop the product;
- ③ The specification is for reference only. Specifications subject to change without notice.