Features:

- 5A switching capacity
- The withstand voltage between the contact and the coil is 4 kV, Withstand 8KV surge voltage
- Environmentally friendly products(Accord RoHS)
- Dimensions: 20.6mm×10.2mm×15.7mm

Typical Application:

- Smart meter
- Household appliances
- Office equipment

Contact Data

Contact form	1 Form A or 1 Form B or 1 Form C
Rated Load	5A 277VAC
Max.switching voltage	277V
Max.switching current	5A
Max.switching power	1,385VA
Contact Material	Silver alloy
Contact resistance	≤100mΩ
Max.Operate/Release time	10ms/4ms
Electrical Endurance	$1x10^5$ cycles (5A 277VAC Resistive load)
Mechanical Endurance	$1x10^7$ cycles

Insulation Data

Insulation Resistance		≥1,000MΩ (500VDC)
Dielectric Strength	Contact-Contact	AC1,000V; 50/60Hz 1min
	Contact-Coil	AC4,000V; 50/60Hz 1min
Contact-Coil (Creepage distance)		≥8.0mm

Coil Data

Coil voltage range		5 to 48VDC
Coil insulation system according UL		Class F
Coil type, standard type		

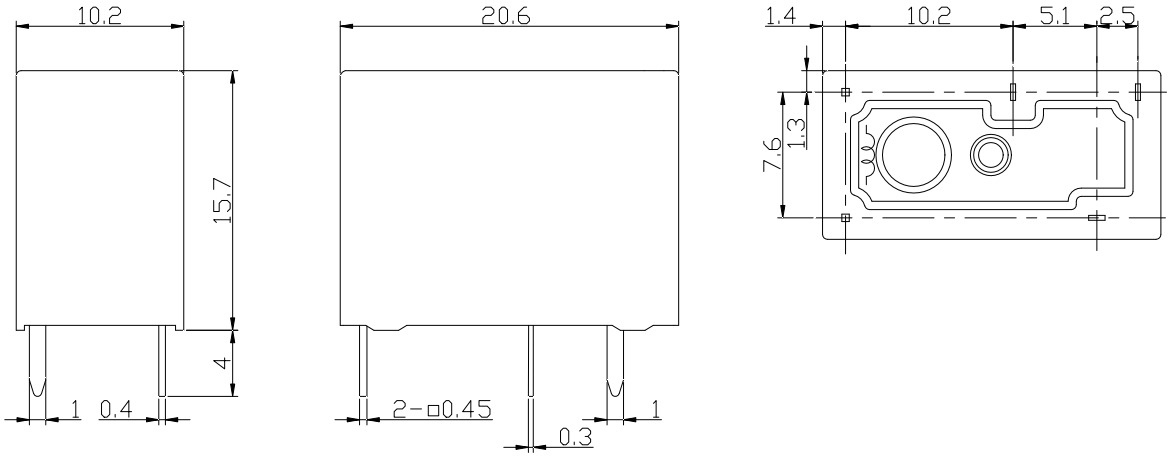
Rated Voltage VDC	Operate/R Voltage VDC	Coil resistance Standard type / Sensitive type / Highly sensitive type Ω (1±10%)	Rated power Standard type / Sensitive type / Highly sensitive type W
5	≤3.75	55/62.5/125	0.45/0.4/0.2
6	≤4.5	80/90/180	0.45/0.4/0.2
9	≤6.75	180/202.5/405	0.45/0.4/0.2
12	≤9.0	320/360/720	0.45/0.4/0.2
24	≤18	1280/1440/2880	0.45/0.4/0.2
48	≤36	5120/5760/11520	0.45/0.4/0.2

All figures are given for coil without pre-energization, at ambient temperature 20°C.

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACHHS		
Ambient Temperature		-40℃ to +85℃
Ambient Humidity		5%～85% RH
Vibration resistance		10～55Hz, 1.5mm DA
Shock resistance	Durability	100g
	Malfunction	10g
Packaging type		Plastic sealing type

Outline Dimensions (Unit: mm)



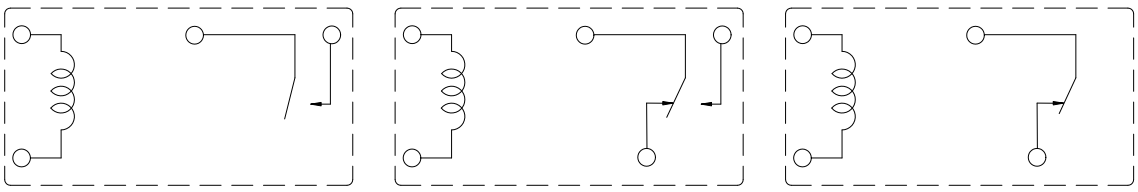
Some product dimensional tolerance is not specified. When < 1mm, the tolerance is ±0.2mm; when between 1～5mm, the tolerance is ±0.3mm; when > 5mm, the tolerance is ±0.4mm.

Note: 1. The lead end foot size is the size before welding

2. Tolerance of installation hole size: ±0.1mm

Wiring Diagrams

1A（Normally open type） 1C（Conversion type） 1B（Normally closed type）



Model naming rules

WJ106	-S	-1	12	D	M	1	-F	-XX	
									Pecial parameters: none - standard type, letter or number - special requirements
									Insulation Grade: None-Normal Type，B-Class B，F-Class F
									Contact Material：None-AgSnO2，1-AgCdO ,2-AgNi
									Contact form: None-Form C(Conversion type)
									B-Form B(Normally closed type)
									M-Form A(Normally open type)
									Coil Power Consumption: D - Standard Type
									Coil Specifications（VDC）：05，06，09，12，24，48
									Contact groups: 1-1 group
									Packaging type：S-Plastic sealing type
									Type：WJ106

Customized special suffix is available after being evaluated by Sanyou.

Examples of Ordering Codes

WJ106-S-112DM

Relay WJ106，Plastic encapsulation，1 group，Rated coil voltage 12VDC，Coil power 0.45W，Normally open type

Cautions

1. The original position of latching relay is "closed" when shipping. It is possible that during transit or installation,the relay may change its state to be "open" position, it is recommended to set the relay in to state needed via apply voltage to the coil.
2. In order to let relay operate normally, the voltage which apply to the coil should reach to the rated voltage,the pulse width should be 50ms to 100ms Do not energize both coil at the same time on Dual coil or energize the coil for longer than minute.
3. Relay without copper wire, the terminal can not be soldered, bend, and rigid fasten both two terminals.
4. Keep away from corrosive gas and other condition which may damage the relay.

Disclaimer