



◆ Feature

- ◇ 16A switching capacity
- ◇ Low power consumption, high load capacity.
- ◇ Small size, PCB mounting
- ◇ Excellent electric life and reliability
- ◇ Long service life
- ◇ Environmentally friendly products(Accord RoHS)
- ◇ Drawing : 29.1mm× 25.45mm×12.8mm

Contact Capacity

Type number	WJ32M	WJ32M
Nominal capacity(Resistive load)	1P:16A 250VAC	2P:5A 250VAC
Max.switching current	1P:16A	2P:5A
Max.switching voltage	250VAC	250VAC
Max.switching power	1P:4000VA	2P:1250VA

◆ General Spcification

Contact Material	Silver alloy	
Contact resistance	20mΩ Max.	
Operating time	15ms. Max.	
Releasing time	15ms. Max.	
Insulation Resistance	1,00mΩ Min. (DC500V)	
Dielectric Strength	Contact-contact:standard model AC750V;1.0mm contact gap/AC2,000V;50/60Hz 1min	
	Contact-coil: AC2, 000V; 50/60Hz 1min	
Creepage distance	1P:500A/10ms;2P:200A/10ms	
Resistance to vibration	10~55Hz, 1.5mm DA	
Resistance to shock	Durability	10G min
	Malfunction	100G min
Service Life	Mechanical life(3600 cycles/Hour)	1,000,000 cycles
	Electrical life(360 cycles/Hour)	100,000 cycles
Ambient temperature	-40°C~+70°C	
Weight	16g	

◆ Coil Data(at 20°C)

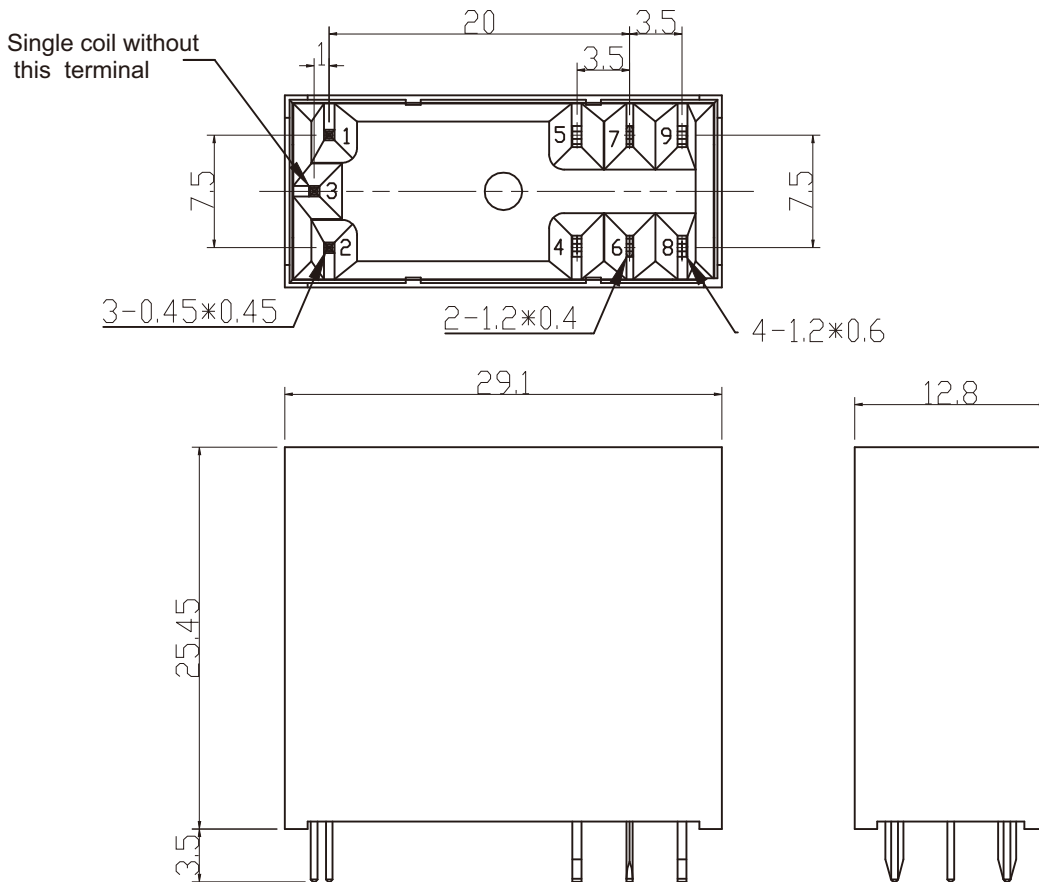
L-standard model

Nominal voltage (VDC)	Resistance ±10% (Ω)		Min.Set/Reset voltage (VDC)	Pulse duration (ms)	Power consumption
	Single coil	Dual coil			
5	25	12.5 12.5	80% nominal voltage	100min	Single/Dual 1.0W/2.0W
6	36	18 18			
9	81	40.5 40.5			
12	144	72 72			
24	576	288 288			
48	2304	1152 1152			

◆ Ordering information

WJ32M	-S-	1	12	L	M	2	R	-XX
Special Parameter : Nil-Standard type,XX-Customized Requirement								
Polarity : R-Reverse polarity, 无-Positive polarity								
Coil Type:1-Single coil,2-Dual coils								
Contact Form : Nil-Form C,M-Form A,B-Form B								
Coil Power : Standard type -Single/Dual:1W/2W								
Coil Voltage (VDC) : 05, 06, 09, 12, 24								
Number of Poles : 1-1 Pole,2-2Pole								
Protective Construction : S-Flux proofed, SH-Sealed type washable								
Type Designation : WJ32M								

◆ Demension(Unit : mm)



Unless otherwise specified :

If dimension < 1mm, tolerance : ±0.2mm;

If dimension 1~5mm, tolerance : ±0.3mm;

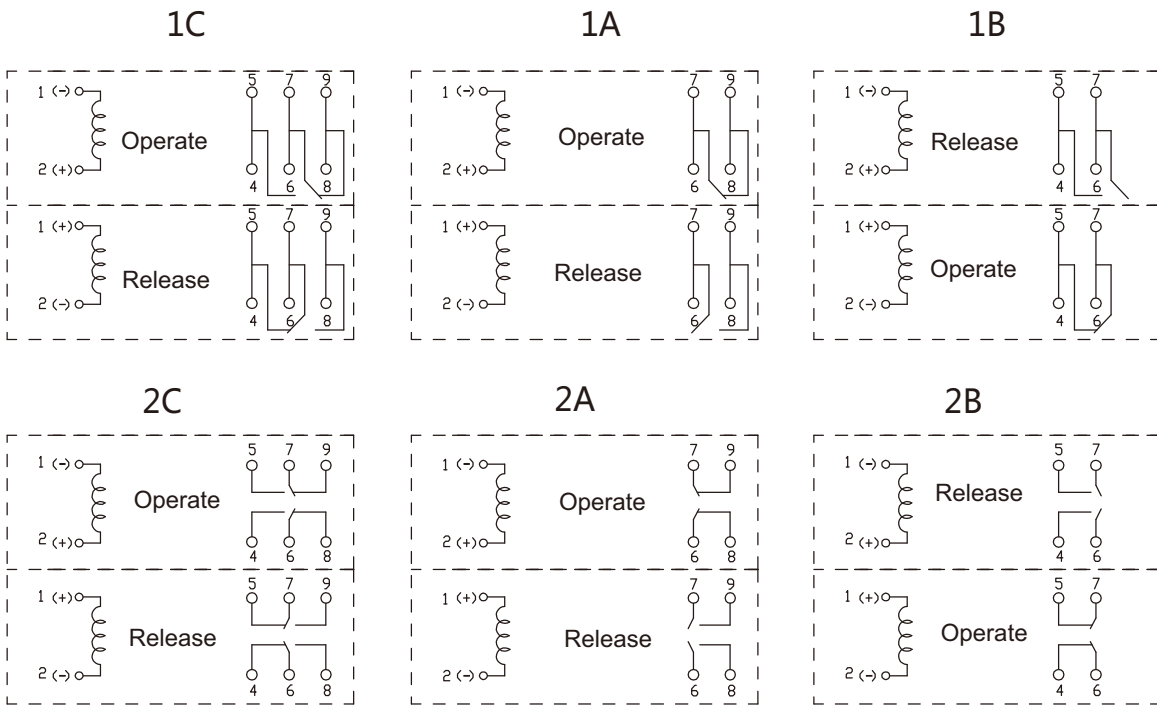
If dimension > 5mm, tolerance : ±0.4mm.

Note : 1. Extended terminal dimension is dimension before soldering.

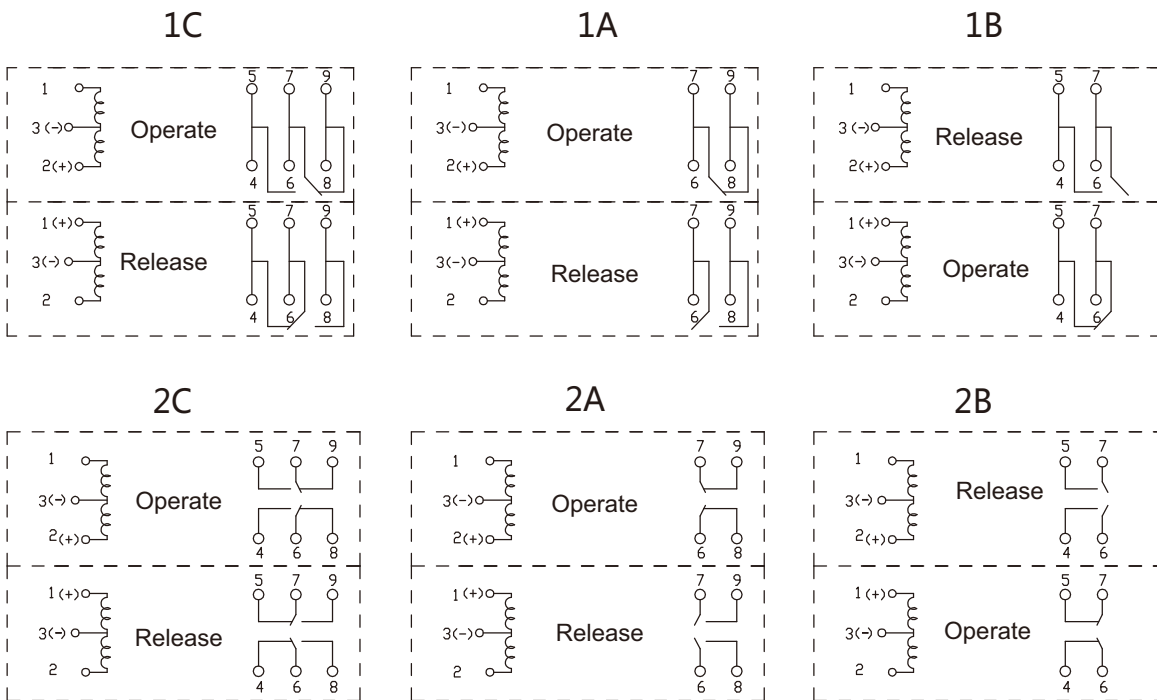
2. Tolerance of mounting holes : ±0.1mm.

◆ Wiring Diagram

Single coil (Positive polarity)

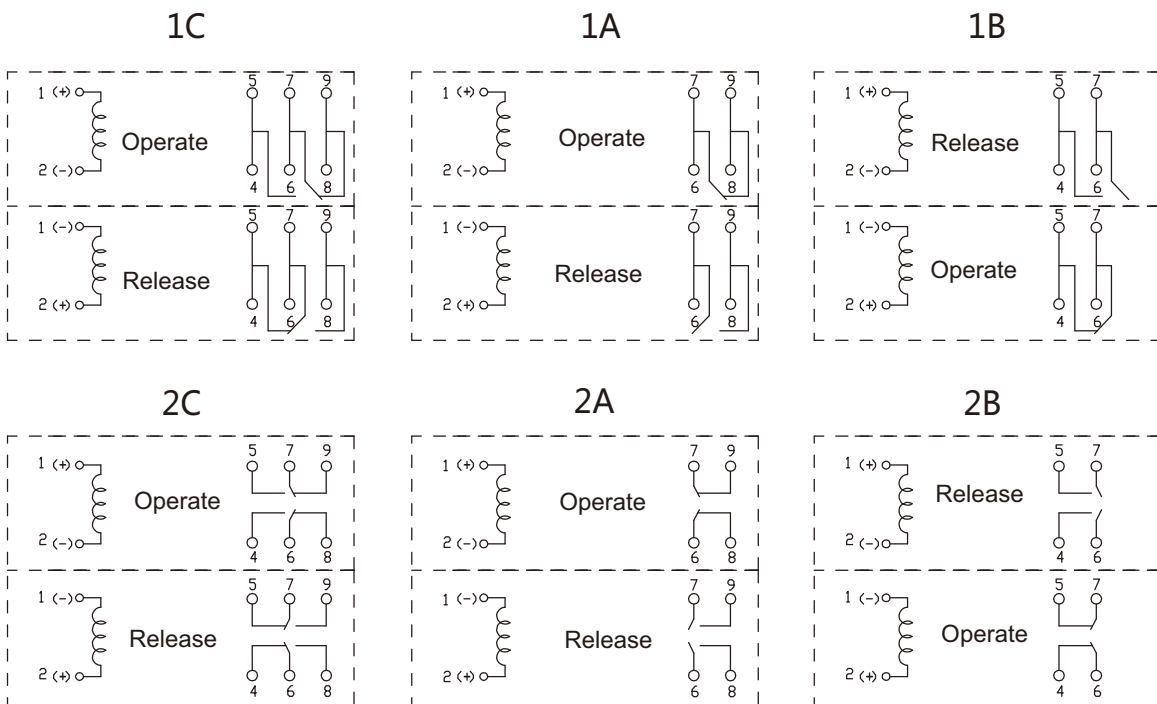


Dual coil (Positive polarity)

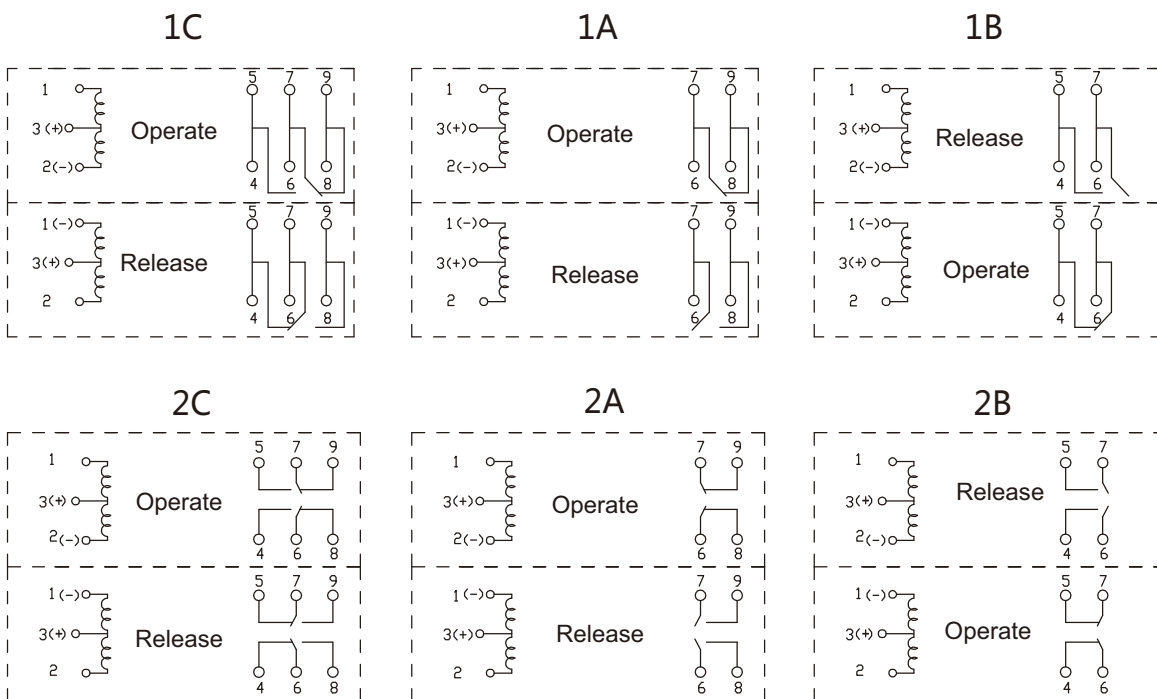


◆ Wiring Diagram

Single coil(Reverse polarity)



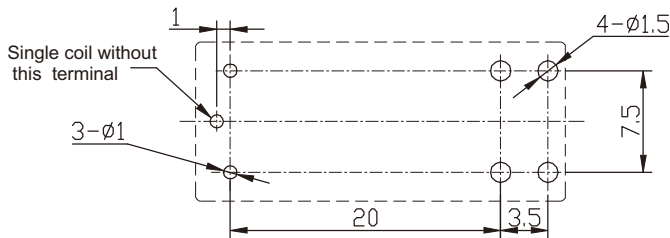
Dual coil(Reverse polarity)



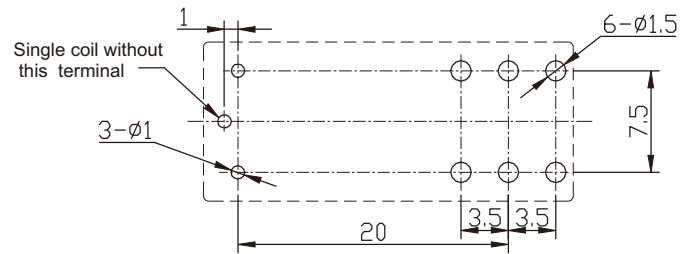
Typical Applications

- Industrial machinery
- Air conditioner control
- Electrical device

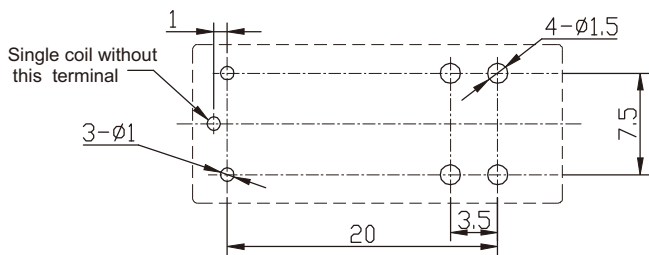
◆ Mounting Holes (bottom view)



1A,2A Mounting Holes

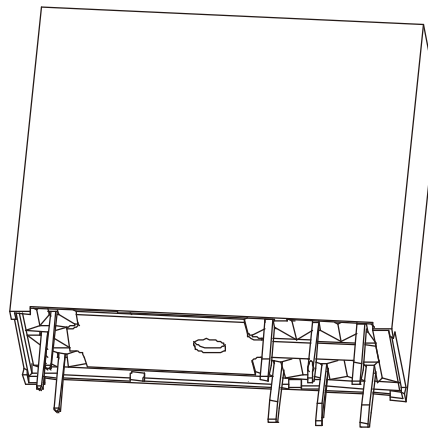


1C,2C Mounting Holes



1B,2B Mounting Holes

◆ Typical terminals



Note: The drawings above is typical terminals, it also can be designed with customer's special terminal requirements. Please contact us if other part needed.

Precautions :

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 1 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:

This datasheet is the customers' reference. All the specification are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should in a right position to choose the suitable product for their own application. If there is any query, please contact Sanyou for the technical service. However it is the user's responsibility to determine which product should be used only.