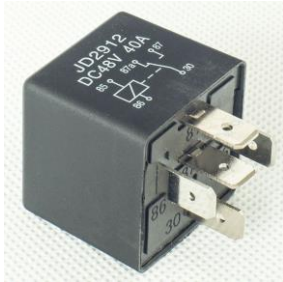


## JD2912 Series DC Relay



### Features:

- BOSCH type automotive relay
- Designed for intermittent load
- Switching capacity of 20A / 40A / 60A / 80A
- 6.3mm (1/4") or 9.3mm (3/8") spade terminals
- Compact size
- Optional plastic or metal bracket

### Specifications:

#### Electric Contact

Contact Material	AgSnO <sub>2</sub> / In <sub>2</sub> O <sub>3</sub>
Contact Form	1A (1H) / 2A (2H) / 1B / 2B / 1C (1Z)
Contact Load Rating	20A / 40A / 60A / 80A (1% duty cycle)
Contact Size	20A / 40A / 60A: 6.3mm (1/4") 80A: 9.3mm (3/8")
Contact Resistance	100mΩ @ 6V / 80A
Max. Switching Voltage	75V DC
Life Span (electrical)	100,000 operations @ 30 operations / minute
Life Span (mechanical)	1,000,000 operations

#### Control Coil

Power Consumption	≤ 1.8W
Coil Voltage Rating	6V / 12V / 24V / 30V / 36V / 48V / 60V / 72V
Minimum Pull-In Voltage	≥ 60% rated coil voltage
Minimum Holding Voltage	≥ 30% rated coil voltage
Maximum Working Voltage	≤ 130% rated coil voltage

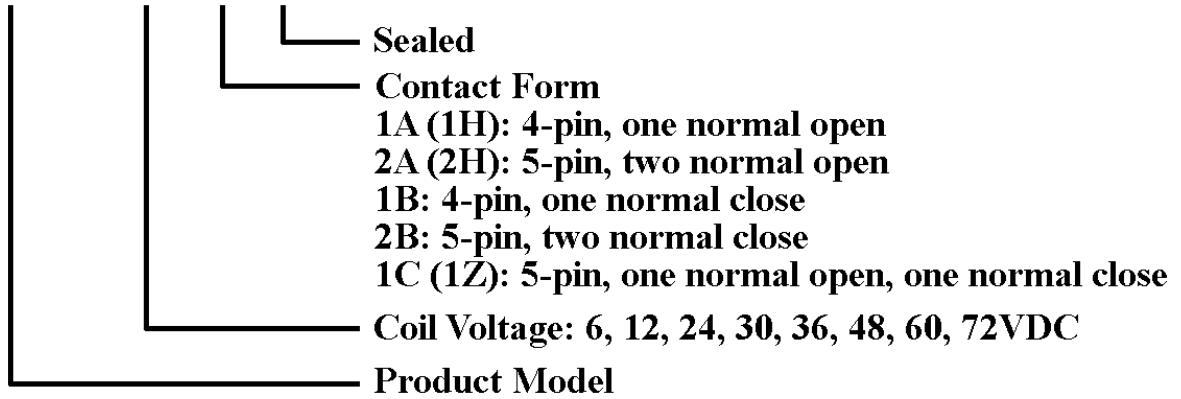
#### Working Circumstance

Working Temperature	-25°C ~ +100°C
Vibration Resistance	10 ~ 55Hz, 1.5mm
Shock Resistance	Operation extremes: 10g Damage limits: 100g
Humidity	40% ~ 85%
Isolation Resistance	≥ 1.0MΩ
Electrical Isolation	Between open contacts: 500VAC Between coil contacts: 500VAC
Operate Time	≤ 10ms
Release Time	≤ 10ms

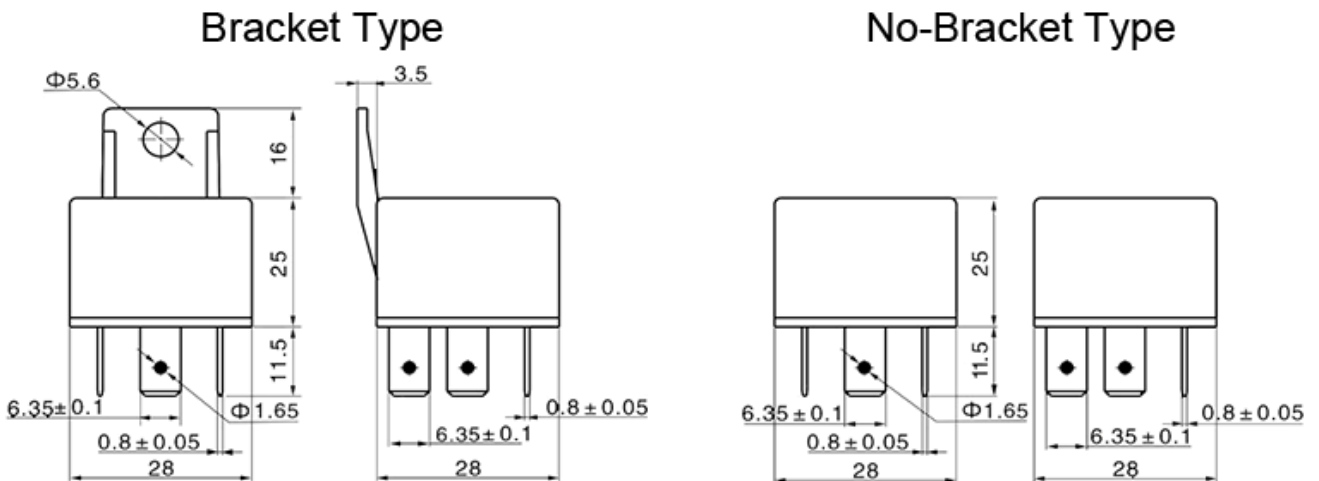
**Product weight: 32.5 grams / 35 grams (80A)**

## Codification

### JD2912-12V-1Z-S

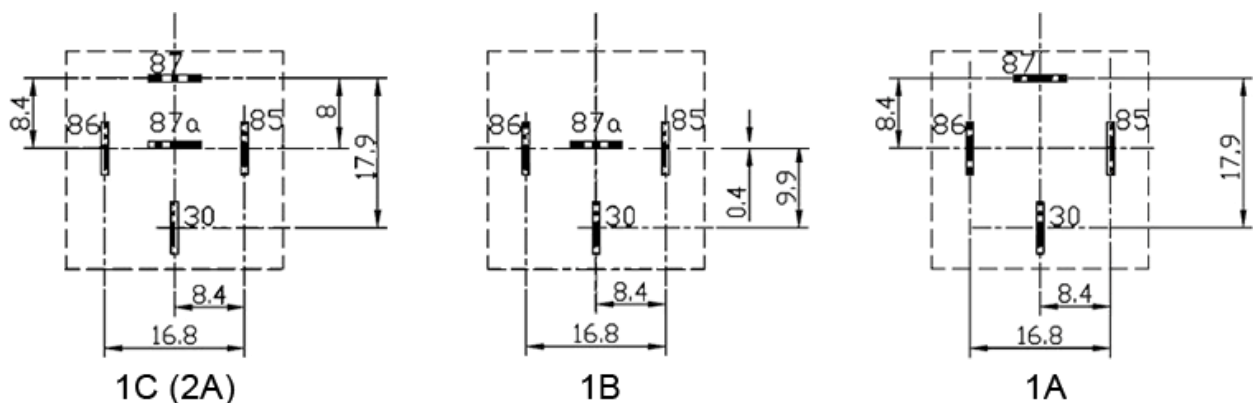


## Diagram:

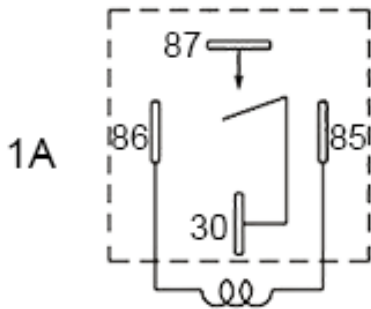


\*For 80A relay, the coil contact (pin 85 and pin 86) size is 6.3mm (1/4"), the load contact (pin 30, pin 87 and pin 87a) size is 9.3mm (3/8").

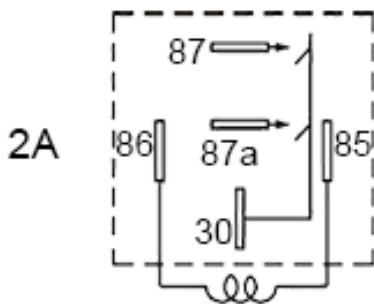
## Contacts layout:



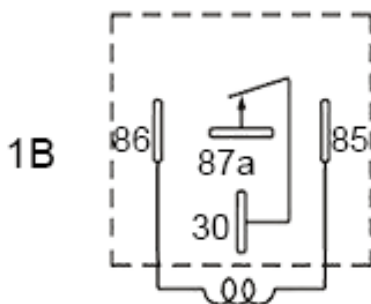
## Wiring Diagram:



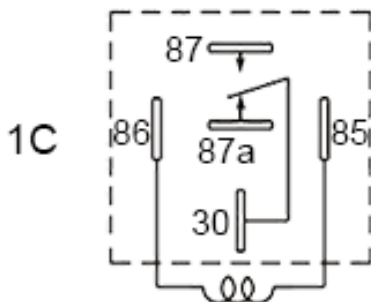
**SPST, 1 NO**  
**single pole single throw**  
**one normal open**



**SPDT, 2 NO**  
**single pole double throw**  
**two normal open**



**SPST, 1 NC**  
**single pole single throw**  
**one normal close**



**SPDT, 1 NO 1 NC**  
**single pole double throw**  
**one normal open**  
**one normal close**

\*The contact form 2B (SPDT, two normal close) is not a standard contact form. Please contact us for more details.