



- Miniature High Power are designed for P.C. Board.
- Automobile Relays with high switching power.
- WJ206 are capable of switching lamp 150W or 12VDC 40A (resistive load).
- Low cost and high performance.
- Dust cover available.
- Sealed type is available.

## SPECIFICATIONS

### Contact

Arrangement	1A	1C
Contact Material	Silver alloy	
Contact Resistance (By voltage drop 6V 1A)	Max. 100mΩ	
Rating		
Nominal switching capacity	40A 14VDC	30A 14VDC
Resistive load		
Max. Switching current	40A	
Max. Switching Voltage	14VDC	
Max. Switching Power	560W	
Expected life (min. ope)		
Mechanical (at 180 cpm)	1×10 <sup>6</sup>	
Electrical (at 20 cpm)	1×10 <sup>5</sup>	

### Characteristics

Operate Time	Max. 15msec.	
Release Time	Max. 10msec.	
Initial breakdown voltage	750VAC (50/60Hz) for 1 min. 750VAC (50/60Hz) for 1 min.	
Between coil & contact		
Between open contacts		
Insulation Resistance	Min. 100MΩ (500 VDC)	
Operating humidity	45 to 85% RH	
Ambient temperature	-40°C ~ +85°C	
Temperature rise (Max.)		
Shock Resistance	Functional	Min. 10G
	Destruction	Min. 100G
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 1.5mm
	Destruction	10 to 55 Hz at double Amplitude of 1.5mm
Unit weight	(open type) Approx. 23g (sealed type) Approx. 23g	

### Coil DATE

Coil Consumption	see COIL SPECIFICATION below
Coil Voltage	6 - 48VDC
Coil Resistance	see COIL SPECIFICATION below

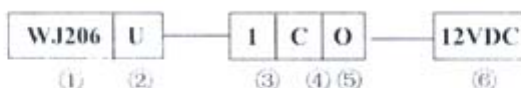
## TYPICAL APPLICATION

Car control switching box.

## COIL SPECIFICATION (at 20°C)

Nominal Voltage (VDC)	Coil Resistance (Ω)±10%	power Consumption (W)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Max. Allowable Voltage (VDC)
6	22.5	1.6	70% Max.	10% Min.	150% of nominal Voltage
9	50				
12	90				
24	380	1.5			
48	2300	1.0			

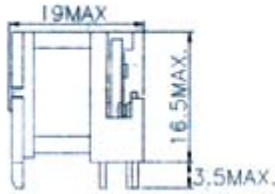
## ORDERING INFORMATION



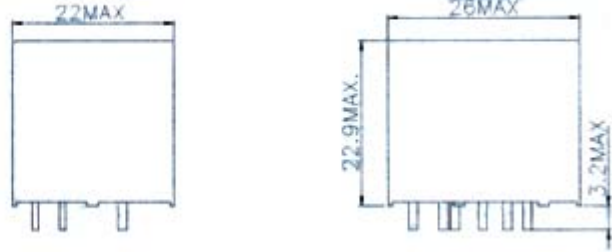
Type	Footprint	Contact form	Number of pole	TYPE	Coil voltage(DC)
WJ206	U : U.S.A(8mm) E : European(11mm)	A: 1 form A C: 1 form C	1:1pole	Nil:SEALED TYPE O:OPEN TYPE	6, 9, 12, 24, 48V

# DIMENSIONS Unit: mm

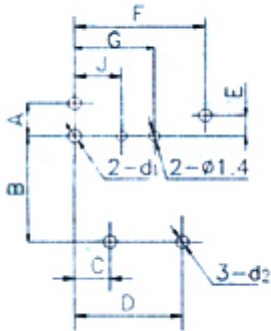
## OPEN TYPE



## SEALED TYPE



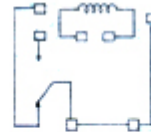
## Mounting Layout(Bottom View)



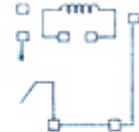
	European	U.S.A
A	3.3	3.76
B	12.1	11.89
C	2.2	4
D	13.2	12.2
E	2.2	2.28
F	15.9	14.8
G	10.1	9.09
J	5.9	5.53
d1	ø2.1	ø2.5
d2	ø2	

## WIRING DIAGRAMS

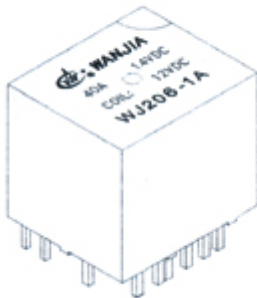
FORM C  
(SPDT)



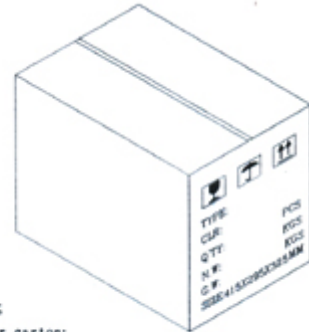
1 FORM A  
(SPST)



## pattern of printing



## Packing



MEAS: 415x295x325mm  
 25pcs per plastic tube;  
 40pcs plastic tubes per carton;  
 1000pcs Relays for total per carton;  
 weight: Approx 21Kg;

## Quality policy:

Today's quality is our future market;  
 Our goal is pursuing Vendor satisfaction.

## Environmental policy:

Keeping the system safe, Abiding by laws;  
 Innovation in technology, Prevention of pollution;  
 Advertising & education, Continuous improvement.

Note: The relative changes for the specification will not be advised in the future.