



WANJIA

AUTOMOTIVE RELAY

WJ204-RELAYS

Relays for advanced technology



- 40A rating at 85°C
- Compatible Faston Terminal arrangement with this kind of power relay
- Simple magnetic circuit to meet mass production for low cost offer.
- Standard type contact form is form C and 2 form A contact arrangement also available.
- Operating ambient temperature range covers from -40°C to +85°C.

SPECIFICATIONS

Contact

Arrangement	1A,2A,1C	
Contact Material	Silver alloy	
Contact Resistance (By voltage drop 6V 1A)	Max. 100mΩ	
Rating	1A,2A	1C
	Nominal switching capacity Resistive load	N.C.: 30A 14VDC N.O.: 40A 14VDC
Max. Switching current	40A	
Max. Switching Power	500W	
Expected life (min.ope)		
Mechanical (at 120 cpm)	1×10 ⁷	
Electrical (at 20 cpm)	1×10 ⁵	

Characteristics

Operate Time	Max. 10msec.	
Release Time	Max.8msec.	
Initial breakdown voltage Between coil & contact	500VAC (50/60Hz) for 1 min.	
Between open contacts	500VAC (50/60Hz) for 1 min.	
Insulation Resistance	Min. 100MΩ (500 VDC)	
Ambient temperature	-40°C ~ +85°C	
Operating humidity	45 to 85% RH	
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	Approx. 33g	

COIL DATE

Coil Consumption	sensitive: 1.8W
Coil Voltage	12 - 24VDC
Coil Resistance	see COIL SPECIFICATION below

COIL SPECIFICATION (at 20°C)

Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Nominal operating power (W)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Max. Allowable Voltage (VDC)
12	150	80	1.8	70% Max.	5% Min.	130% of nominal Voltage
24	75	320				

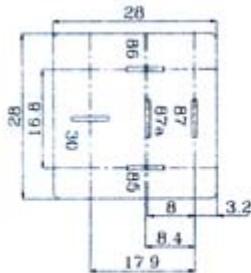
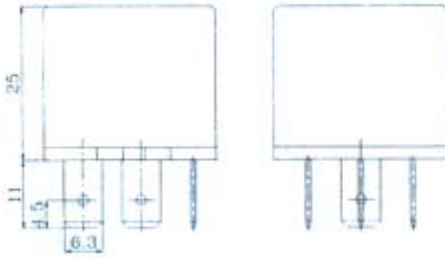
ORDERING INFORMATION



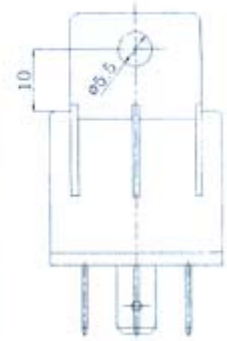
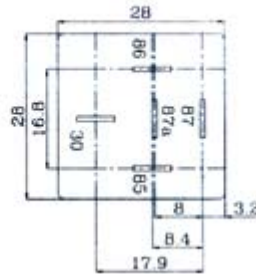
① Type	② Number of pole	③ Contact form	④ Case form	⑤ Coil voltage(DC)
WJ204	1: 1pole 2: 2pole	A: form A C: form C	F : flange case type	12, 24V

DIMENSIONS Unit: mm

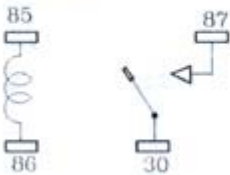
WJ204-1C



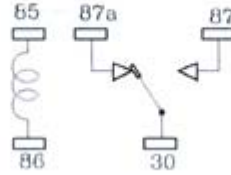
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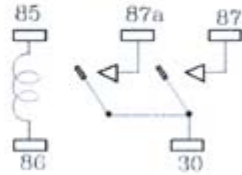
WJ204-1A



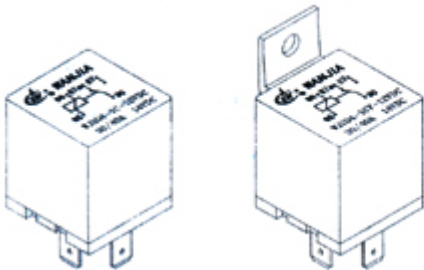
WJ204-1C



WJ204-2A

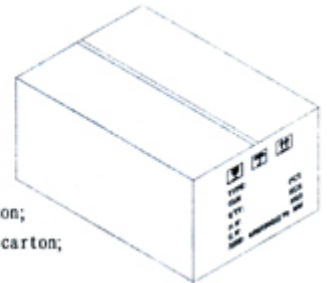


pattern of printing



Packing

MEAS: 420x300x170mm
 25pcs per plastic tray;
 10pcs plastic trays per carton;
 250pcs Relays for total per carton;
 weight: Approx 8.4Kg;



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.