
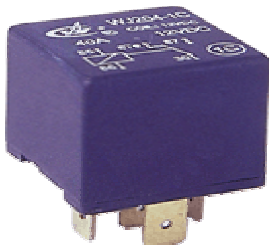


| | | |
|---|--|--------------|
|  <h1 style="text-align: center;">WANJIA</h1> <p style="text-align: center;">Relays for advanced technology</p> | CAR CONTROL UNIT USE MINIATURE RELAYS | WJ204-RELAYS |
|---|--|--------------|



- 40A rating at 85•
- 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• to 85• .

SPECIFICATIONS

Contact

| | |
|---|-------------------|
| Arrangement | 1a,1b,1c,2a |
| Contact Material | Silver alloy |
| Contact Resistance (By voltage drop 6V 1A) | Max.100m• |
| Rating | |
| Nominal switching capacity | |
| Resistive load (cos•=1) | N.C.:30A 14VDC |
| Inductive load (cos•=0.4 L/M=1 msec) | 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.10msec. | |
| Operating humidity | 45 to 85% RH | |
| Initial breakdown voltage | | |
| Between coil & contact | 500VAC (50/60Hz)for 1 min. | |
| Between open contacts | 500VAC (50/60Hz)for 1 min. | |
| Insulation Resistance | Min. 100M• (500 VDC) | |
| Ambient temperature | -40••+85• (No water drop condensation) | |
| Shock Resistance | Functional | Min.20G |
| | 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 |
| Temperature rise(Max) (at nominal voltage) | 75deg.(at 20•) | |
| Unit weight | Approx.42g | |

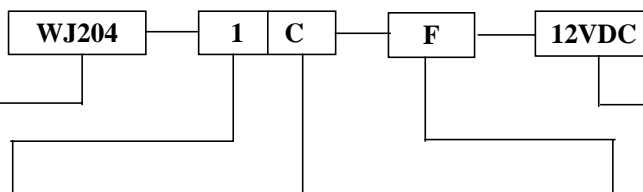
Coil

| | |
|-------------------------|------|
| Nominal operating power | 1.8W |
|-------------------------|------|

TYPICAL APPLICATION

For direct connection with Cell Motors, Transmission,etc. and Anti-Locking Break System.

ORDERING INFORMATION



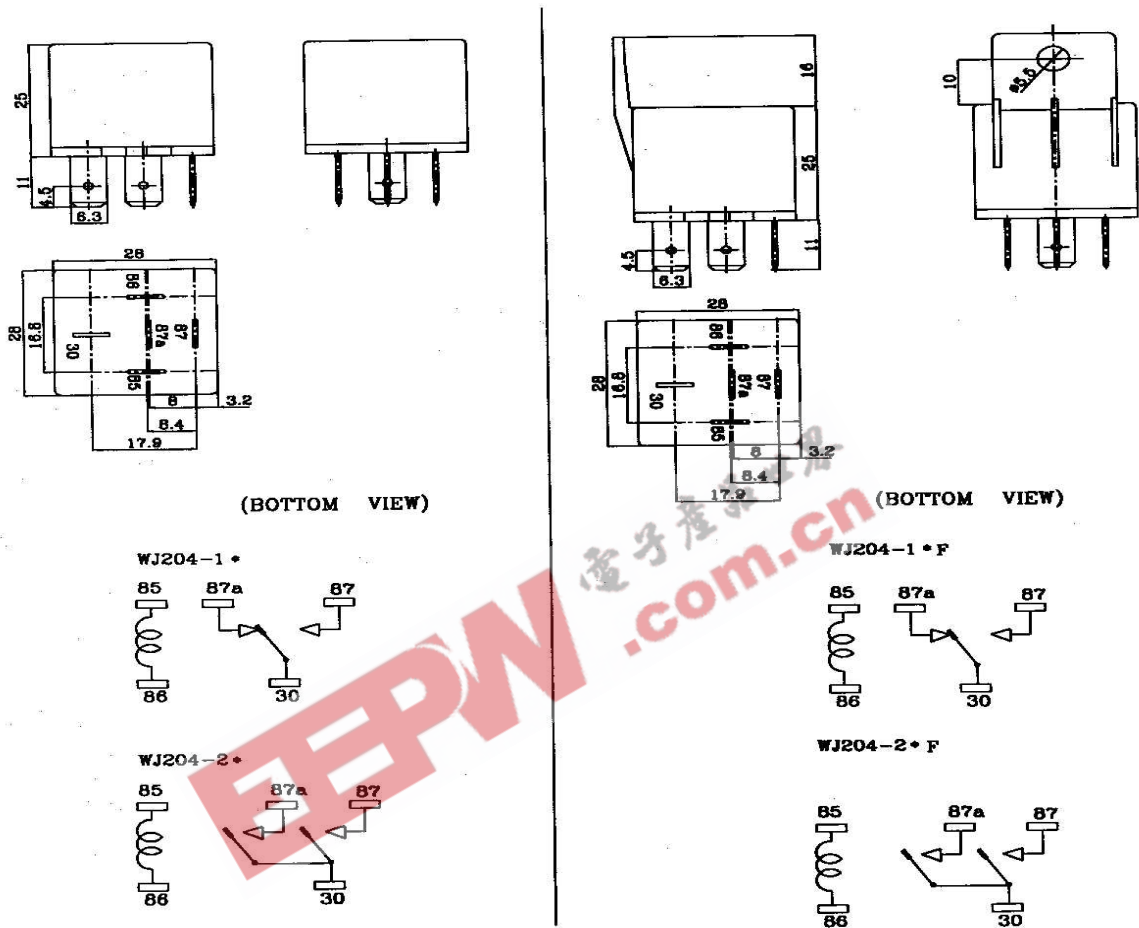
| Type | Number of pole | Contact form | Case form | Coil voltage(DC) |
|-------|----------------------|---|----------------------|------------------|
| WJ204 | 1: 1pole 2: 2pole | A: 1 form A B: 1 form B C: 1 form C | F : flange case type | 12, 24V |

COIL DATA (at 20•)

| Nominal Voltage (VDC) | Nominal Current (mA) | Coil Resistance (•)±10% | Power Consumption (W) | Pull-in Voltage (VDC) | Drop-out Voltage (VDC) | Max.Allowable Voltage (VDC) |
|-----------------------|----------------------|-------------------------|-----------------------|-----------------------|------------------------|-----------------------------|
| 12 | 150 | 80 | 1.8 | 75%Max. | 5%Min. | 150% of nominal voltage |
| 24 | 75 | 320 | | | | |

DIMENSIONS

Unit: mm



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