| WANJIA<br>Relays for advanced technology | POWER RELAY | WJ185-<br>RELAYS |
|---|---|---|

- Small size and light weight
- Low coil power consumption.
- High contact load.
- Strong anti-shock high reliability.

# SPECIFICATIONS

**Contact**

| | | |
|---|---|---|
| Arrangement | 1A | |
| Contact Material | Silver alloy | |
| Contact Resistance (By voltage drop 6V 1A) | Max.50mΩ | |
| Rating<br>Resistive load | 60A 250VAC | 40A 250VAC |
| Max. Switching Power | 15000VA | |
| Expected life (min.ope)<br>Mechanical(at 120 cpm)<br>Electrical (at 20 cpm) | $10^6$<br>$2\times10^4$ | |

**Characteristics**

| | | |
|---|---|---|
| Operate Time | | Max.15msec. |
| Release Time | | Max.15msec. |
| Operating humidity | | 40to 90% RH |
| Initial breakdown voltage<br>Between coil & contact<br>Between open contacts | | 1500VAC (50/60Hz)for 1 min.<br>2500VAC (50/60Hz)for 1 min. |
| Insulation Resistance | | Min. 1000MΩ (500 VDC) |
| Ambient temperature | | -40℃～+55℃ |
| 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 | | ≤115g |

**Coil**

| | |
|---|---|
| Nominal operating power | 2.0W to 4.0VA |

# TYPICAL APPLICATION

1.Industrial machine
2.Electrical equipment
3.Air conditioner and houseold appllications

JAXXEN incorporated
350 Milford Point Rd. Milford, CT 06460 P.203-878-0400 F.203-878-0458
www.jaxxeninc.com info@jaxxeninc.com

# ORDERING INFORMATION

**WJ185 - 3 C - 12VDC 18.5Ω**
① ② ③ ④ ⑤

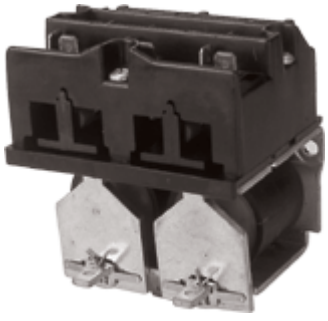
| ①Type | ②Number of pole | ③Contact form | ④Coilvoltage (DC) | ⑤Coil resistance |
|---|---|---|---|---|
| WJ185 | 2:2pole | A: 1 form A<br>B: 1 form B<br>C: 1 form C | 6, 12, 24V<br><br>220VAC | 18.5 74,300 : 2.0W<br><br>3500 : 10.0VA |

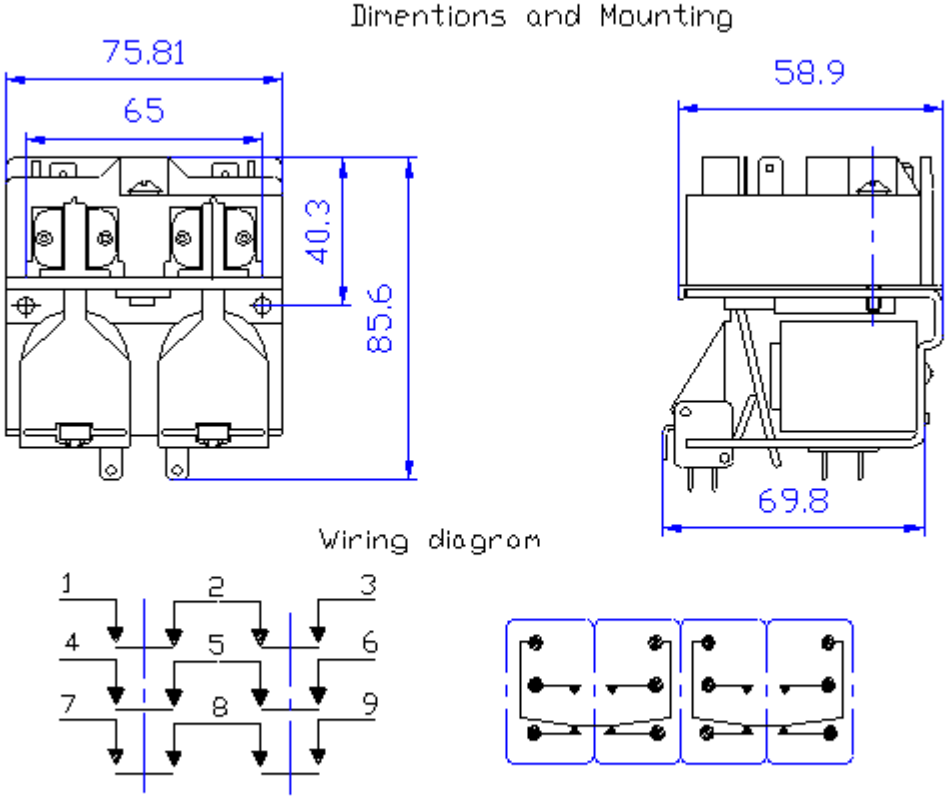
# COIL DATA (at $20^0$C)

| Nominal Voltage (VDC) | Coil Resistance (Ω)±10% | Power Consumption (W) | Pull-in Voltage (VDC) | Drop-out Voltage (VDC) | Max.Allowable Voltage (VDC) |
|---|---|---|---|---|---|
| 6 | 18.5 | 2.0 | 75%Max. | 10%Min. | 120% of nominal Voltage |
| 12 | 74 | | | | |
| 24 | 300 | | | | |
| 220VAC | 3500 | 4.0VA | 80%Max. | 30%Min. | |

## DIMENSIONS

Unit: mm






JAXXEN incorporated
350 Milford Point Rd. Milford, CT 06460 P.203-878-0400 F.203-878-0458
www.jaxxeninc.com info@jaxxeninc.com

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