



WANJIA POWER RELAY

Relays for advanced technology

WJ183-RELAYS



- Low coil power consumption.
- High contact load.
- Strong anti-shock high reliability.

SPECIFICATIONS

Contact

Arrangement	1A, 1B, 1C
Contact Material	Silver alloy
Contact Resistance (By voltage drop 6V 1A)	Max. 50mΩ
Rating	
Nominal switching capacity	30A 300VAC
Resistive load	30A 28VDC
Max. Switching Voltage	28VDC/300VAC
Max. Switching Current	30A
Max. Switching Power	9000VA/840W
Expected life(min.ope)	
Mechanical(at 120 cpm)	5×10 ⁶
Electrical (at 20 cpm)	5×10 ⁴

Characteristics

Operate Time	Max. 20msec.	
Release Time	Max. 15msec.	
Initial breakdown voltage Between coil & contact Between open contacts	2000VAC (50/60Hz) for 1 min. 1500VAC (50/60Hz) for 1 min.	
Insulation Resistance	Min. 100MΩ (500 VDC)	
Ambient temperature	-40°C ~ +70°C	
Operating humidity	40 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. 210g	

COIL DATE

Coil Consumption	sensitive:10VA/2W
Coil Voltage(1pole)	6 - 110VDC
Coil Voltage(2pole)	6 - 240VAC
Coil Resistance	see COIL SPECIFICATION below

UL/C-UL Rating

Resistive load (cosφ=1)	1A,1B,1C
	30A 300VAC 30A 28VDC
Inductive load (cosφ=0.75 - 0.8)	

COIL SPECIFICATION (at 20°C)

Type	Nominal Voltage (VDC) (VAC)	Coil Resistance (Ω)	Nominal operating power (W)	Pick-up Voltage	Drop-out Voltage	Max.Allowable Voltage
AC	6	1.2	abt. 10VA (50 - 60Hz)	75% Max.	30% Min.	120%
	12	4.8				
	24	19				
	48	76				
	110	400				
	240	1900				
DC	6	19	abt.2W	75% Max.	10% Min.	120%
	12	75				
	24	290				
	48	1150				
	100	5000				
	110	6000				

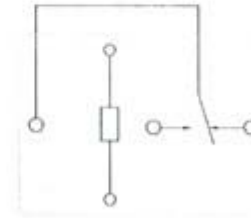
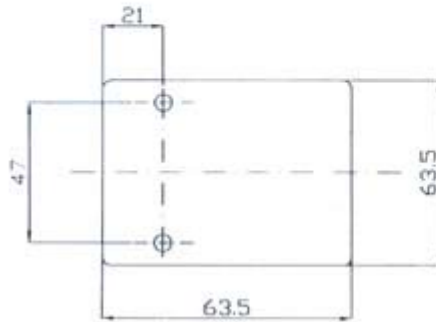
ORDERING INFORMATION



① Type	② Number of pole	③ Contact form	④ Coilvoltage
WJ183	1 : 1pole	A: Form A	Coil: 6-110VDC
		B: Form B	
		C: Form C	6-240VAC

DIMENSIONS Unit: mm

WJ183-1Pole Plug terminal



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.