

Feature

- High contact load
- Low consumption, Pulse driven operation
- Strong resistance ability to shock and vibration, High reliability
- Long service life
- Optionally single coil, as well as double coil
- Safety certificate approval

Safety Certificate

UL File No.: E318915  
CQC File No.: CQC08001022572

Contact Capacity

Type number	WJ31C	WJ31C
Nominal capacity(Resistive load)	60A 250VAC	80A 250VAC
Max. switching current	60A	80A
Max. switching voltage	250VAC	250VAC
Max. switching power	15,000VA	20,000VA

General Data

Contact Material	Silver alloy	
Contact resistance	2mΩ Max.	
Operating Time	30ms. Max.	
Releasing Time	30ms. Max.	
Insulation resistance	1,000MΩ Min. (DC500V)	
Dielectric Strength	Contact - contact:	AC1,500V, 50/60Hz 1min.
	Contact-coil:	AC4,000V, 50/60Hz 1min.
Resistance to vibration	Durability	10~55Hz, Double amplitude of 0.5 mm
	Malfunction	10~55Hz, Double amplitude of 0.5 mm
Resistance to shock	Durability	10gmin.
	Malfunction	100g min.
Service Life	Mechanical life	100,000 ops
	Electrical life	10,000 ops
Ambient temperature	-40°C ~ +70°C	
Weight		

Coil Data (at 20°C)

Nominal voltage (VDC)	Nominal current ±10% (mA)		Resistance ±10% (Ω)		Set voltage (Max.)	Reset voltage (Max.)	Pulse duration (ms)	Rated power
	Single coil	Dual coil	Single coil	Dual coil				
6	167	500	36	12	70 % of nominal voltage	70 % of nominal voltage	100 Min.	Single/Dual 1W/3W
9	111	333	81	27				
12	83	250	144	48				
18	56	167	324	108				
24	42	125	576	192				

WJ31C

Ordering information

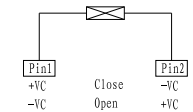
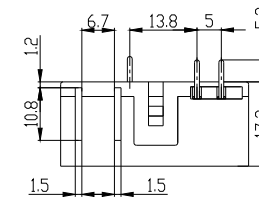
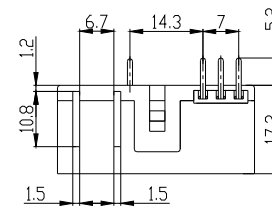
Normenclature	
WJ31C-80A-12V	Coil voltage(VDC): 06, 09, 12, 18, 24
	Nominal current: 60A, 80A
	Type: WJ31C, Contact arrangement: 1Pole

Safety certificate

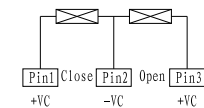
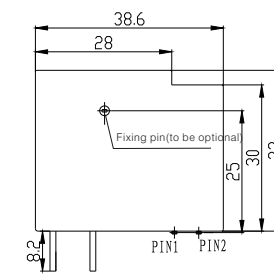
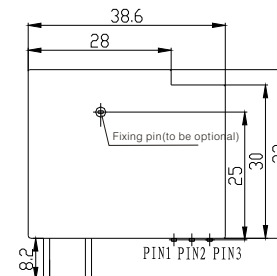
Certificate Category	UL	CQC
File No.	E318915	CQC08001022572
Capacity Approval	80A 250VAC	80A 250VAC

Drawing(Unit:mm)

Unless otherwise specified:  
If dimension < 1mm: Tolerance: ±0.2mm  
If dimension on 1~5mm: Tolerance: ±0.3mm  
If dimension > 5mm: Tolerance: ±0.5mm  
Note: Tolerance of mounting holes: ±0.4mm



Wiring Diagram (Single coil)



Wiring Diagram (Dual coil)

Mounting dimension(Dual coil)

Mounting dimension(Single coil)

Accessories upon request

Typical Application

- Energy meter used in smart grid
- remote control
- Combination switch
- electrical power