



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
- Various safety certificate approval

Safety Certificate

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

Contact Capacity

Type number	WJ31B	WJ31B
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	20ms. Max.	
Releasing Time	20ms. 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	10g min.
	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					
5	200	400	25	12.5	12.5	80 % of nominal voltage	80% of nominal voltage	100 Min.	Single/Dual 1W/2W
6	167	334	36	18	18				
9	111	222	81	40.5	40.5				
12	83	167	144	72	72				
24	42	83	576	288	288				
48	21	42	2304	1152	1152				

WJ31B

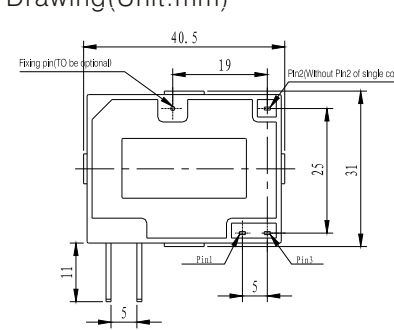
Ordering information

Identification Code	
WJ31B-60A	-12V
Coil voltage(VDC): 05, 06, 09, 12, 24, 48	
Nominal current: 60A, 80A	
Type: WJ31B, Contact arrangement: 1Pole	

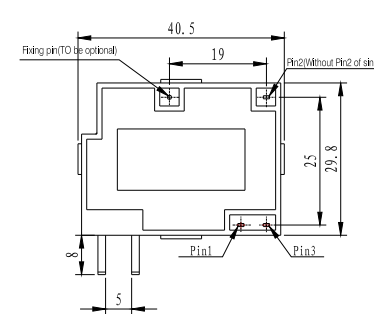
Safety certificate

Certificate Category	UL	CQC
File No.	E318915	CQC08001022572

Drawing (Unit: mm)

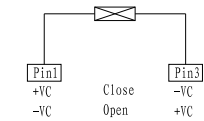


Mounting dimension (60A)

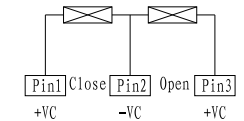


Mounting dimension (80A)

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)

Accessories upon request

Typical Application

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