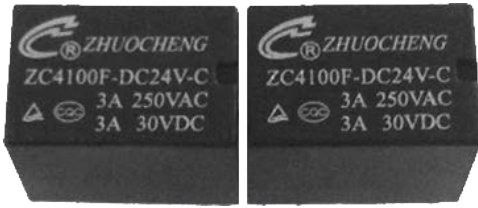


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Main Features:

1. Small size (15.5x10.5x11.2 in mm) produces a switching capacity up to 3A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1C
3. The Surge Resistance of ZC4100F series is 1,500V
4. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
5. RoHS Compliant.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
ZC4100F.....3A at 250VAC
3A at 30VDC
- Max. Allowable Current
ZC4100F.....3A
- Max. Allowable Voltage
ZC4100F.....AC250V,DC30V
- Max. Allowable Power Force
ZC4100F.....750VA 90W
- Contact Material..... Ag Alloy
- Contact Form..... SPDT & SPST

Performance (at Initial Value)

- Contact Resistance..... $\leq 50m\Omega$ at 6VDC/1A
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:
Between Coil & Contact.....1,000VAC at 50/60 Hz
for one minute
Between Contacts.....500VAC at 50/60 Hz
for one minute
- Surge Resistance.....1,500V (between Coil
& Contact 1.2x50 μ s)

- Insulation Resistance.....1,000Mega Ω Min. at
500VDC
- Max. On/Off Switching:
Electrical.....30 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range.....-40~85 $^{\circ}$ C
- Humidity Range.....5%~85% RH
Coil Temperature Rise..... 35 $^{\circ}$ C Maximum
- Vibration:
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm
Error Operation.....10 to 55 Hz dual
amplitude width 1.5mm
- Shock:
Endurance..... 981m/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Electrical.....10⁵ Operations at
Rated Resistive
load
Mechanical.....10⁷ Operations at
No load condition
- Weight.....about 3.5g

Safety Standard & File Number

- CQC.....CQC11002062200
- TUV.....R50205521

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ISO9001、ISO14001 Certification Enterprise

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 8\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
ZC4100F	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.7	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2880				

Ordering Information

ZC 4100F - DC 12V - L C

Contact Form: C:One form C
A:One form A

Coil Type: Nil:Standard DC Coil, L:High Sensitive

Coil Voltage: 03:3V, 05:5V,06:6V, 09:9V,12:12V,24:24V.

Type of Voltage: DC:DC

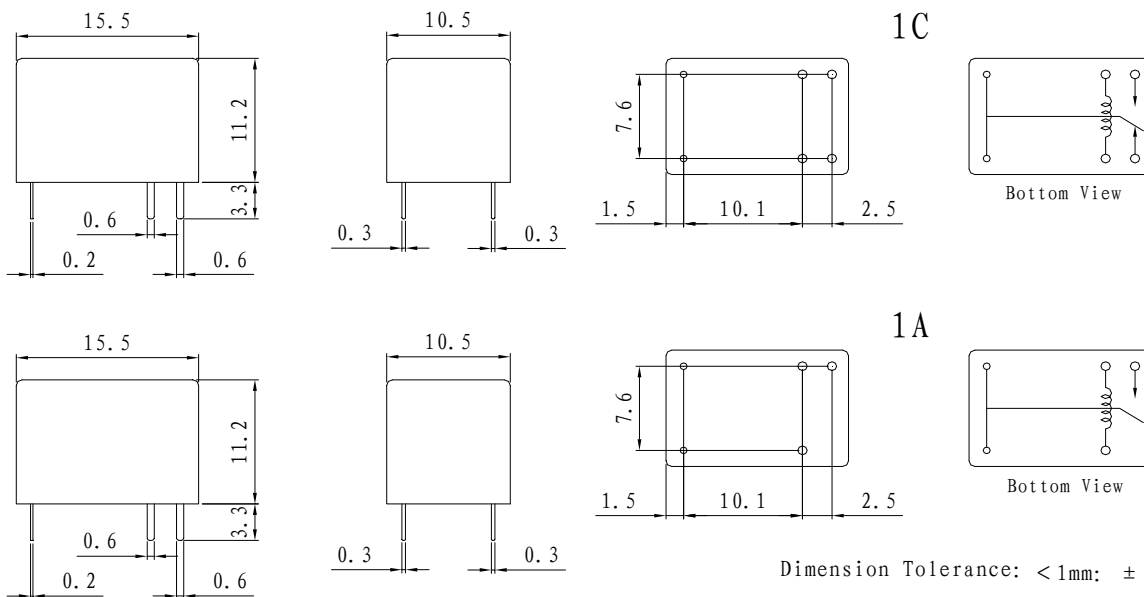
Relay Type Code

Manufacturer Code

Classification

Model	ZC4100F	
Coil Sensitivity	Standard DC Coil	
	1C	1A
Flow Solder Type	ZC4100F-DC□□V-C	ZC4100F-DC□□V-A

Dimension



Dimension Tolerance: < 1mm: $\pm 0.2\text{mm}$
1--5mm: $\pm 0.3\text{mm}$
> 5mm: $\pm 0.5\text{mm}$