



Patent: ZL 2011 2 0054587.6



ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (20x16.4x20.2in mm) produces a switching capacity up to 10A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1B/1C
3. The Surge Resistance of BRU series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BRU-SS: Plastic Sealed Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
BRU-L/LM/LB.....10A at 250VAC
10A at 30VDC
20A at 125VAC
- Max. Allowable Current
BRU-L/LM/LB.....20A
- Max. Allowable Voltage
BRU-L/LM/LB.....AC250V
- Max. Allowable Power Force
BRU-L/LM/LB.....2500VA
- Contact Material..... Ag Alloy
- Contact Form.....SPST&SPDT

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.....1,800VAC at 50/60 Hz
for one minute
Between Contacts.....1,000VAC at 50/60 Hz
for one minute
- Surge Resistance.....10,000V (between Coil
& Contact 1.2x50 μs)
- Insulation Resistance.....1,000 Mega 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 12g

Safety Standard & Its File Number

- UL.....E332719
- TUV.....R50230881
- CQC.....CQC11002062612

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)
BRU-L/LM/LB	3	120	25	Abt. 0.36	75% Maximum	10% Minimum	130%
	5	72	69.4				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1600				
	48	7.5	6400				

Ordering Information

BRU - SS - 1 12 L M

Contact Form: Nil:One form C
M:One form A
B:One form B

Coil Type: L:Standard DC Coil

Coil Voltage: 03:3V, 05:5V, 06:6V, 09:9V
12:12V, 24:24V, 48:48V

Number of Pole: 1:One Pole

Type of Sealing: SS:Plastic Sealed Type

Type: BRU

Classification

Model	BRU		
Coil Sensitivity	Standard DC Coil		
	1A	1B	1C
Flow Solder Type	BRU-SS-1□□LM	BRU-SS-1□□LB	BRU-SS-1□□L

Dimension

