



Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
BRT3-L/D/LM/DM.....16A at 250VAC
- Max. Allowable Current
BRT3-L/D/LM/DM.....16A
- Max. Allowable Voltage
BRT3-L/D/LM/DM.....AC250V
- Max. Allowable Power Force
BRT3-L/D/LM/DM.....4,000VA
- 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.....5,000VAC 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)

Main Feature

1. Small size (29x12.7x15.5 in mm) produces a switching capacity up to 16A for high density P.C.Board mounting technique.
2. The contact form construction is 1a/1b/1c
3. The Surge Resistance of BRT3 series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BRT3-SS: Flow Solder Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

- Insulation Resistance.....100 Mega Ω Min. at
500VDC
- Max. On/Off Switching:
Electrical.....30 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range..... - 40~85°C
- Humidity Range.....45~85% RH
- Coil Temperature Rise..... 35°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 13g

Safety Standard & Its File Number

- UL.....E333244
- TUV.....R50165834
- CQC.....CQC10002042508

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)
BRT3-D BRT3-DM	5	80.6	62	Abt. 0.4	75% Maximum	10% Minimum	130%
	6	66.7	90				
	9	44.6	202				
	12	33.3	360				
	24	16.7	1440				
	48	8.7	5520				
BRT3-L BRT3-LM	5	50	100	Abt. 0.25	75% Maximum	10% Minimum	130%
	6	41.7	144				
	9	27.7	325				
	12	20.8	576				
	24	10.4	2304				
	48	5.2	9216				

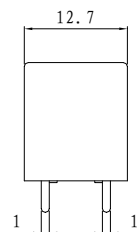
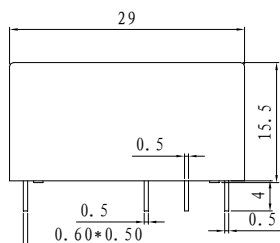
Ordering Information

BRT3 - SS - 1 12 D M		
Contact Form:	Nil	One form C
	M	One form A
	B	One form B
Coil Type:	D	Standard DC Coil
	L	High Sensitivity DC Coil
Coil Voltage:	05:5V, 06:6V, 09:9V, 12:12V, 24:24V, 48:48V	
Number of Pole:	1:One Pole	
Type of Sealing:	SS:How Solder Type	
Type:	BRT3	

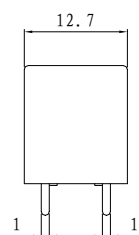
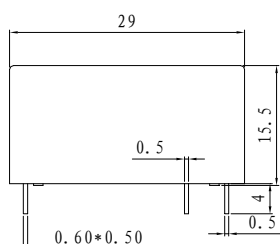
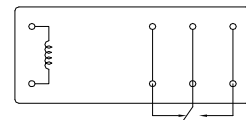
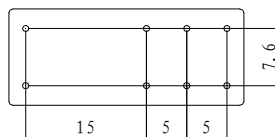
Classificatio

Model	BRT3			
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil	
	1C	1A	1C	1A
Flow Solder Type	BRT3-SS-1□□D	BRT3-SS-1□□DM	BRT3-SS-1□□L	BRT3-SS-1□□LM

Dimension



BRT3-SS-D/L



BRT3-SS-DM/LM

