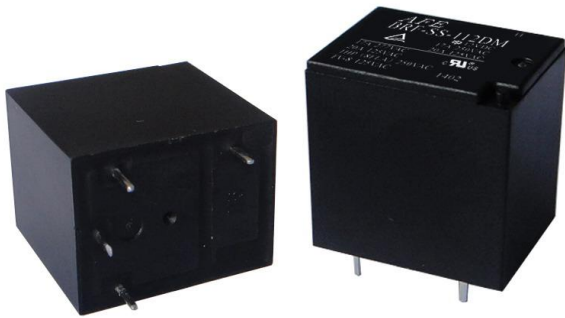


ISO9001、ISO14001 Certification Enterprises



Patent: ZL 2010 2 0563191.X

Contact Rating

- Nominal Load (Resistive Load $\cos \phi = 1$)

Contact Capacity	BRF-D.....	NO/NC:17A/15A/277VAC
		NO/NC:20A/125VAC
		NO:1HP 8FLA 250VAC
		NC:1/2HP 4.9FLA 250VAC
BRF-DM.....		17A at 250VAC
		17A 277VAC
		20A at 125VAC
		1HP 8FLA 250VAC
		TV-8 125VAC
- Max. Allowable Current

BRF-D/DM.....	20A
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- Max. Allowable Voltage

BRF-D/DM.....	AC277V
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- Max. Allowable Power Force

BRF-D/DM.....	5540VA
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- 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.....	2,800VAC 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 μ s)

Main Feature

1. Small size (21x16x20.8mm) produces a switching capacity up to 20A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1B/1C
3. The Surge Resistance of BRF series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BRF-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

- 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..... - 40~105°C
- Humidity Range..... 5%~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/s ² Min
Error Operation.....	98.1m/s ² Min
- Life Expectancy:

Electrical.....	10 ⁵ Operations at
	Rated Resistive
	load
Mechanical.....	10 ⁷ Operations at
	No load condition
- Weight..... about 14g

Safety Standard & Its File Number

- UL..... E356168
- CQC..... CQC14002115281

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)
BRF-D/DM/DB	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

BRF	-	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
								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: BRF

Classification

Model	BRF		
Coil Sensitivity	Standard DC Coil		
	1A	1B	1C
Flow Solder Type	BRF-SS-1□□DM	BRF-SS-1□□DB	BRF-SS-1□□D

Dimension

