

RELAY

Power Relay

BRF3-SS-124DM

Main Feature

1. Small size (21x16x20.5in mm) 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: Flow Solder Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.

AFE[®]
Electronic



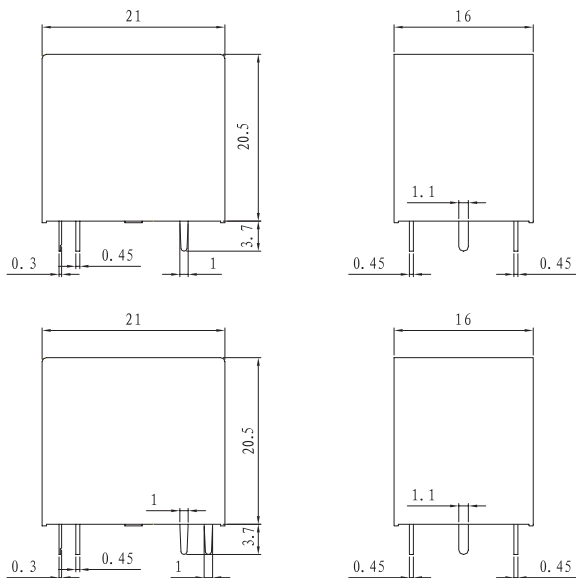
Patent: ZL 2010 2 0563191.X

Application

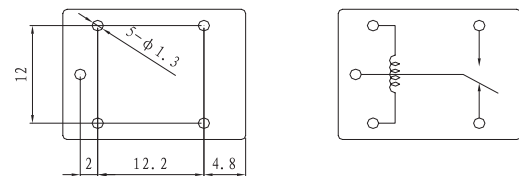
Air Conditioning, Fridge, Washing Machine, etc Household Appliances



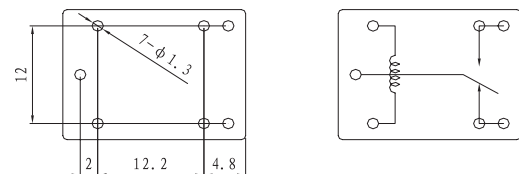
Dimension



Single row derivation feet

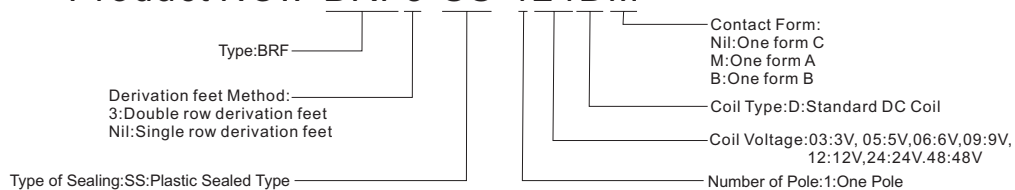


Double row derivation feet



ORDER INFORMATION

Product NO.: BRF3-SS-124DM



Power Relay

BRF3-SS-124DM

Contact Rating

- | | |
|---|---|
| <ul style="list-style-type: none"> ■ Nominal Load(Resistive Load Cos ϕ =1)
Contact Capacity
BRF-D ..17A at 250VAC
BRF-DM/DB.. . 17A at 250VAC
20A at 125VAC ■ Max. Allowable Current
BRF-D. . . .17A
BRF-DM/DB. 20A ■ Max. Allowable Voltage
BRF-D....AC250V
BRF-DM/DBAC250V ■ Max. Allowable Power Force
BRF-D4250VA
BRF-DM/DB4250VA ■ Contact Material . Ag Alloy ■ Contact Form ... SPST&SPDT | <ul style="list-style-type: none"> ■ Insulation Resistance...500 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 |
|---|---|

Performance (at Initial Value)

- Contact Resistance..... $\leq 50\text{m}\Omega$ at 6VDC/1A
- Operate Time. .10ms. Max
- Release Time.... 5ms. Max
- Dielectric Strength:
 - Between Coil & Contact.2,500VAC at 50/60 Hz
for one minute
 - Between Contacts...1000VAC at 50/60 Hz
for one minute
- Surge Resistance ..10,000V (between Coil
& Contact 1.2x50 μs)

- Life Expectancy:
 - Electrical..... 10^5 Operations at Rated Resistive load
 - Electrical..... 10^7 Operations at No load condition
- Weight.....about 14g

Safety Standard & Its File Number

- UL.....Application
- TUV.....R50208738
- CQC.....Application

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω %)	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				

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