





1. Small size (19x15.4x15 in mm) produces a switching capacity up to 15A for high density P.C.Board mounting technique.
2. The contact form construction is 1a/1b/1c
3. The Surge Resistance of BRD series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BRD-SS: Flow Solder Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
BRD.....12A at 250VAC
15A at 125VAC
TV-5(1A)
- Max. Allowable Current
BRD.....15A
- Max. Allowable Voltage
BRD.....AC250V
- Max. Allowable Power Force
BRD.....3,000VA
- Contact Material..... Ag Alloy
- Contact Form..... SPDT & SPST

- Contact Resistance..... $\leq 50\text{m}\Omega$ at 6VDC/1A
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:
 - Between Coil & Contact.....2,000VAC 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)
- 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 9g

- UL.....E333244
- TUV.....R50183595
- COC.....COC10002054413

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)
BRD-L BRD-LF BRD-LM BRD-LMF	3	120	25	Abt. 0.36	75% Maximum	10% Minimum	130%
	5	71.4	70				
	6	60	100				
	9	40	225				
	12	30	400				
	24	15	1,600				
	48	7.5	6,400				

Ordering Information

BRD	-	SS	-	1	12	L	M	F		
									Insulation Class:	F:Class F, Nil:Class B
									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:	BRD

Classification

Model	BRD			
Coil Sensitivity	High Sensitivity DC Coil			
	1C		1A	
Plastic Sealed Type	BRD-SS-1□□L	BRD-SS-1□□LF	BRD-SS-1□□LM	BRD-SS-1□□LMF
	BRD-SS-1□□LB			

Dimension

