



Patent: ZL201720598987.0 ZL 2020212920636 ZL201820795065.3







Contact Rating

•	Nominal Load(Resistive Load Cos Φ : Contact Capacity	=1)	
	BJ-DM/LM	10A at 1	25VAC
		5A at 2	50 VAC
		5A at 3	30 VDC
		TV-5 at 1	25VAC
	BJ-DMF/LMF	10A at 2	50VAC
		10A at 3	30 VDC
		TV-5 at 12	25VAC
		400W at 12	25VAC
	Max. Allowable Current		
	BJ-DM/LM/DMF/LMF		10A
	Max Allowable Voltage	AC250V. I	DC30V
	Max Allowable Power Force		
	BJ-DM/LM	1250VA	150W
	BJ-DMF/LMF		300W
	Contact Material	A	g Alloy
	Contact Form	SPS	T-NO

Performance (at Initial Value)

Contact Resistance	≤100m Ω at 6VDC/1A
Operate Time	8 ms. Max.
Release Time	5 ms. Max
Dielectric Strength:	
Between Coil & Contact	4000VAC at 50/60
	Hz for one minute
Between Contacts	1000VAC at 50/60
	Hz for one minute
Surge Resistance	10,000V (betweer
	Coil & contact
	1.2x50 ແs)

ISO9001、ISO14001 Certification Enterprises

Main Feature

- Small size(18.3x10.2x15.2 in mm) produces a Switching capacity up to 10A for high density P.C.Board mounting technique.
- The Contact form comstruction is 1A (SPST-NO)
- The Surge Resistance of BJ Series is 10,000V.
- Sealing Construction (Free from dust and solder flux): BJ-SS:Flux-proof type.
- The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
- 6. RoHS Compliant.
- Meet the requirements of Tuv 61810 for reinforced insulation
- It can provide IEC60079 series products 8.
- UL insulation class F 9.

Application

Domestic Appliances. Office Machines. Audio Equipment. Car Use.....etc

	Insulation Resistance	1,000 Mega Ω Min.			
_		at 500VDC			
	Max. On/Off Switching:				
		6 Ops per minute			
	Mectrical	300 Ops per minute			
	Temperature Range	− 40~105°C			
		5%~85% RH			
		35°C Maximum			
	Vibration:	waxiinam			
		10 to 55 Hz dual			
	Endurance	amplitude width			
		1.5mm			
	Error Operation	10 to 55 Hz dual			
	Error Operation				
		amplitude width			
_	Charle	mmc.i			
-	Shock:	004 /-2 NA'-			
		981m/s² Min			
_		98.1m/s ² Min			
	Life Expectancy:	4.57.0			
	Mechanical	10 ⁷ Operations at			
		No load condition			
	Electrical	10 ⁵ Operations at			
		Rated Resistive			
		load			
	Weight	about 7 g			
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5 a	fety Standard & Its				
	UL	E333244			
	TUV	R50183595			

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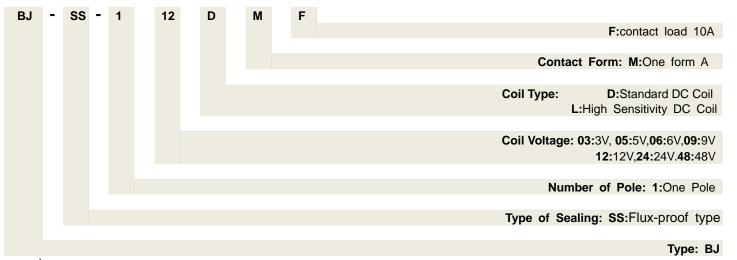
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Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum voltage (VDC)
	3	150	20	- Abt. 0.45 75% Maximum			
	5	91	55				
BJ-DM	6	75	80		75%	10% Minimum	130%
BJ-DMF	9	50	180		Maximum		
	12	37.5	320				
	24	18.8	1,280				
	3	67	45	Abt. 0.2 75% Maximum			
	5	40	125				
BJ-LM	6	33.3	180				
BJ-LMF	9	22.5	400				
	12	16.7	720				
	24	8.3	2,880				

remarks: Maximum voltage refers to the relay coil in a short period of time can withstand the maximum voltage value

Ordering Information



remarks:

(1)When using in clean enbironment (without H2S SO2 NO2 dust and other pollutants),it is recommended to Use flux resistant products.

When using in polluted environ ment(with a certain amount of H2S SO2 NO2 dust and other pollutants),it is recommended to use plastic encapsulated products.please confirm in actual use.

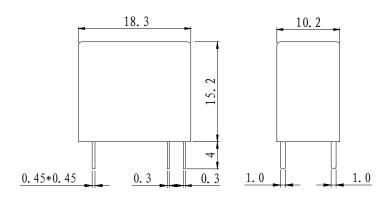
(2)For the products that need to meet the explosion-proof requirements of iec60079 series, please note Ex in the Model and specification when placing anorder. Our company will print Ex mark on the product shell to distinguish Them Because not all products of specifications have explosion-proof certification, please contact us when Necessary to determine the appropriate products.

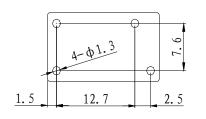


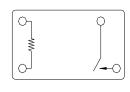
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Model	BJ					
Coil Sensitivity	Standard DC Coil		High Sensitivity DC Coil			
Plastic Sealed Type BJ -SS-1□□DM		BJ-SS-1□□DMF	BJ -SS-1□□LM	BJ -SS-1□□LMF		

Dimension







Dimension Tolerance:

< 1mm: ± 0.2 mm

1—5mm: ± 0.3 mm

> 5mm: ± 0.5 mm

DISCLAIMER:

This product specification is for reference only and subject to change without prior notice.

For AFE, it is not possible to assess all performance requirements for relays in each specific application area and therefore the customer should select a suitable product for each specific application, please contact AFE for additional technical support. But the responsibility of product selection is only the responsibility of the customer.