

Precautions

1. It shall be installed in a dry and well-ventilated place to avoid corrosive gas and rain.
2. Capacitors should be installed more than 20mm above the ground. When multiple capacitors are installed together, the spacing should be kept above 30mm.
3. The capacitor terminals and wires should be connected well, and the terminal nuts must be tightened to avoid heat damage to the insulator.
4. The current carrying capacity of the connecting wire should be more than 1.35 times of the rated current.
5. The capacitor shall be switched on and off at a certain interval, and the residual voltage when energized again shall not exceed 10% of the rated voltage.
6. The power supply shall be disconnected for 5 minutes before the capacitor is discharged enough.
7. To ensure the normal use of the capacitor, there should be overvoltage and overcurrent protection devices and surge current resistance devices in the capacitor circuit (such as series reactors or the special capacitor changeover contactor is adopted).

-5-

Description of After-sales Service

We sincerely thank you for choosing our products, which will help you reduce electricity consumption, save money and bring you rich benefits.

To ensure your use, please carefully read the "Instruction Manual" before installation.

The Company's commitment to product quality is: when used under normal conditions, the warranty period is one year, and the time is calculated from the date of sale. If the product has quality problems within one year, we will repair or exchange it for free. If the product is damaged due to improper use or illegal operation, it is not covered by the warranty, and the responsibility is borne by the customer.

-6-

CNC
ELECTRIC

CERTIFICATE

Product Model: BSMJ

Standards: GB/T12747.1-2017
GB/T12747.2-2017

Inspector: **CNC003**

Production date: Printed on the product or package.

This product is qualified according to the delivery inspection

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BSMJ

CNC Deliver
Power For Better Life

⚠ Before installing and using this product, please read this manual carefully and pay more attention to safety.

CNC ELECTRIC

Tel: 0086-577-61989999 Fax: 0086-577-61891122
www.cncele.com E-mail: cncele@cncele.com

Self-healing Parallel Capacitor

Usage

The self-healing parallel capacitor is mainly used for reactive power compensation in power grid. It can effectively improve power factor, reduce reactive power loss, improve voltage quality and save electric energy.

Main Technical Parameters

1. Environmental Temperature: -25°C -50°C
2. Rated voltage: 250VAC, 400VAC, 450VAC, 525VA, 690VAC;
3. Rated capacity: 1-50kvar
4. Capacity tolerance: -5+10%
5. Loss tangent: $\tan \delta < 0.1\%$
6. Voltage withstand value: under 2.15 times the rated voltage between the electrodes for 2 seconds, there is no permanent breakdown and flashover;
7. Insulation resistance: Adding 500 VDC between the poles for 1 minute, and the insulation resistance $r > 1000 \text{ M}\Omega$
8. Insulation level: Adding 3000VAC between the poles for 10 seconds, there is no permanent breakdown and flashover;
9. Self-discharge characteristics: Built-in discharge resistor, using capacitor to reduce the initial peak voltage of UN to 75V or lower within 3 minutes;
10. Maximum allowable overvoltage: 1.1 times of the rated voltage;
11. Maximum allowable overcurrent: 1.3 times of the rated current;
12. Standards: GB/T12747.1-2017; GB/T12747.2-2017

-1-

Main models and installation dimensions

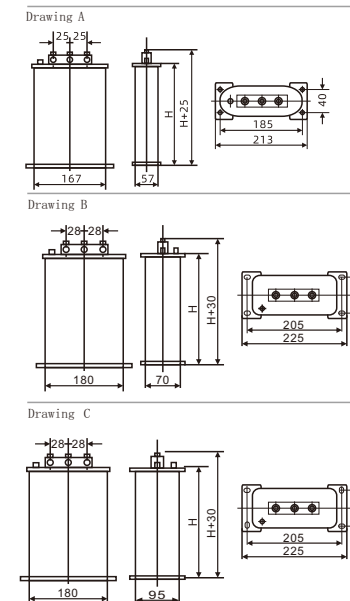
No.	Models and Specifications	Rated Voltage KV	Rated Capacity KVAR	Rated Frequency HZ	Rated Capacity μF	Rated Current A	Shell Height H	Drawing No.
1	BSMJ0.4-3-3	0.4	3	50	59.7	4.3	115	A
2	BSMJ0.4-5-3	0.4	5	50	99.5	7.2	115	A
3	BSMJ0.4-7.5-3	0.4	7.5	50	149.2	10.8	115	A
4	BSMJ0.4-10-3	0.4	10	50	198.9	14.4	180	A
5	BSMJ0.4-15-3	0.4	15	50	298.4	21.7	210	A
6	BSMJ0.4-20-3	0.4	20	50	397.9	28.9	210	A
7	BSMJ0.4-25-3	0.4	25	50	497.4	36.1	220	B
8	BSMJ0.4-30-3	0.4	30	50	596.8	43.3	260	B
9	BSMJ0.4-40-3	0.4	40	50	795.8	57.7	270	C
10	BSMJ0.4-50-3	0.4	50	50	994.7	72.2	345	C
11	BSMJ0.45-5-3	0.45	5	50	78.6	6.4	115	A
12	BSMJ0.45-6-3	0.45	6	50	94.3	7.7	115	A
13	BSMJ0.45-8-3	0.45	8	50	125.8	10.3	115	A
14	BSMJ0.45-10-3	0.45	10	50	157.2	12.8	180	A
15	BSMJ0.45-12-3	0.45	12	50	188.6	15.4	210	A
16	BSMJ0.45-15-3	0.45	15	50	235.8	19.2	210	A
17	BSMJ0.45-16-3	0.45	16	50	251.5	20.5	210	A
18	BSMJ0.45-18-3	0.45	18	50	282.9	23.1	210	A
19	BSMJ0.45-20-3	0.45	20	50	314.4	25.7	210	A
20	BSMJ0.45-25-3	0.45	25	50	393	32.1	220	B

-2-

No.	Models and Specifications	Rated Voltage KV	Rated Capacity KVAR	Rated Frequency HZ	Rated Capacity μF	Rated Current A	Shell Height H	Drawing No.
21	BSMJ0.45-30-3	0.45	30	50	471.6	38.5	260	B
22	BSMJ0.45-40-3	0.45	40	50	628.8	51.3	270	C
23	BSMJ0.45-50-3	0.45	50	50	786	64.2	345	C
24	BSMJ0.48-5-3	0.48	5	50	69	6	115	A
25	BSMJ0.48-10-3	0.48	10	50	138	12	180	A
26	BSMJ0.48-15-3	0.48	15	50	207	18	210	A
27	BSMJ0.48-20-3	0.48	20	50	276	24	210	A
28	BSMJ0.48-25-3	0.48	25	50	346	30.1	220	B
29	BSMJ0.48-30-3	0.48	30	50	415	36.1	260	B
30	BSMJ0.48-35-3	0.48	35	50	484	42.1	270	C
31	BSMJ0.48-40-3	0.48	40	50	553	48.1	270	C
32	BSMJ0.525-5-3	0.525	5	50	58	5.5	115	A
33	BSMJ0.525-10-3	0.525	10	50	116	11	180	A
34	BSMJ0.525-15-3	0.525	15	50	173	16.5	210	A
35	BSMJ0.525-20-3	0.525	20	50	231	22	210	A
36	BSMJ0.525-25-3	0.525	25	50	289	27.5	220	B
37	BSMJ0.525-30-3	0.525	30	50	347	33	260	B
38	BSMJ0.525-40-3	0.525	40	50	461.9	44	270	C
39								
40								
41								

-4-

Installation Dimensional Drawing



-4-