

BSMJ(Y)/BZMJ

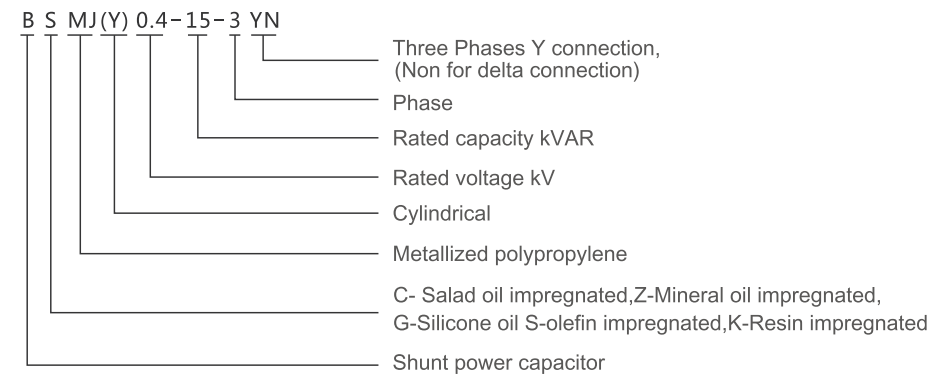
Series Self-healing Shunt Capacitor



Application

BSMJ(Y),BCMJ(Y) series self-healing low-voltage shunt capacitor, is applicable for AC power system of voltage up to 1000V, is used for improving lowvoltage network power factor and voltage quality and decreasing reactive power consumption. This production conforms to the Standard of IEC60831-1996.

Model No.



Characteristic

- 3.1 Characteristic
 - 3.1.1 Small volume, reliable quality
 - 3.1.2 Applicable for the high temperature and large system voltage wave location
 - 3.1.3 Good sealing.
 - 3.1.4 Firm, convenient installation
 - 3.1.5 convenient connecting terminal.
 - 3.1.6 Anti-corrosion metal shell
- 3.2 Notice
 - 3.2.1 Overvoltage and overheating would shorten life of capacitor.
 - 3.2.2 The following situation should be attention, when install shunt capacitor in the system.
 - a it can not install shunt capacitor directly under serious harmonic. (anti-harmonic reactor need to install)
 - b when transformer does no-load running, capacitor should quit operating.
 - 3.2.3 capacitor connecting to circuit needs to delay 3mins and above. Only after breaking power-supply and discharging by short-circuit, it can be touched and measured.
 - 3.2.4 MCB should be chosen according to 2-3 times of capacitor rated current.

CAPACITOR

Table1

rated voltage	250VAC、400VAC、450VAC、 525VAC、690VAC、750VAC
rated capacity	1-50kVAR
error	0 ~ +10%
low dissipation factor	lower than 0.10%
junction withstand voltage	1.75Vn10s junction shell 3kVA10s
insulation	junction shell 500VDC 1 min bigger than 100M
Max overload voltage	110%of rated voltage
Max overload current	130%of rated current
self-discharge feature	1min after poweroff,residual voltage decreases to 50V and below

Table2

specification	rated voltage(kV)	nominal capacity(Kvar)	Total capacity(uF)	Rated current(A)	Shape and High(mm)
BSMJ0.4-3-3	0.4(50HZ)	3	59	4.3	A type H=115
BSMJ0.4-5-3		5	99	7.2	
BSMJ0.4-7.5-3		7.5	149	10.8	A type H=135
BSMJ0.4-8-3		8	158	11.5	
BSMJ0.4-10-3		10	198	14.4	A type H=175
BSMJ0.4-12-3		12	238	17.3	
BSMJ0.4-14-3		14	278	20.2	A type H=215
BSMJ0.4-15-3		15	298	21.7	
BSMJ0.4-16-3		16	318	23.1	A type H=245
BSMJ0.4-18-3		18	358	26.0	
BSMJ0.4-20-3		20	398	28.9	B type H=215
BSMJ0.4-25-3		25	498	36	
BSMJ0.4-30-3		30	597	43.3	B type H=245
BSMJ0.4-40-3		40	796	57.7	B type H=300
BSMJ0.4-50-3		50	995	72.2	C type H=230

Table3

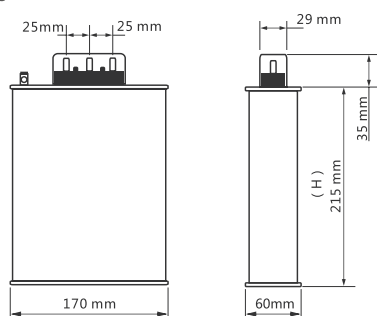
specification	rated voltage(kV)	nominal capacity(Kvar)	Total capacity(uF)	Rated current(A)	Shape and High(mm)
BSMJ0.45-3-3	0.45(50HZ)	3	47	3.8	A type H=115
BSMJ0.45-5-3		5	78	6.4	
BSMJ0.45-7.5-3		7.5	118	9.6	A type H=135
BSMJ0.45-8-3		8	126	10.3	
BSMJ0.45-10-3		10	157	12.8	A type H=175
BSMJ0.45-12-3		12	188	15.4	
BSMJ0.45-14-3		14	220	18	A type H=215
BSMJ0.45-15-3		15	236	19.2	
BSMJ0.45-16-3		16	251	20.5	

Table3

specification	rated voltage(kV)	nominal capacity(Kvar)	Total capacity(uF)	Rated current(A)	Shape and High(mm)
BSMJ0.45-18-3		18	283	23	A type H=245
BSMJ0.45-20-3		20	314	25.7	
BSMJ0.45-25-3		25	393	32	B type H=215
BSMJ0.45-30-3		30	471	38.5	B type H=245
BSMJ0.45-40-3		40	629	51.3	B type H=300
BSMJ0.45-50-3		50	786	64.2	C type H=230

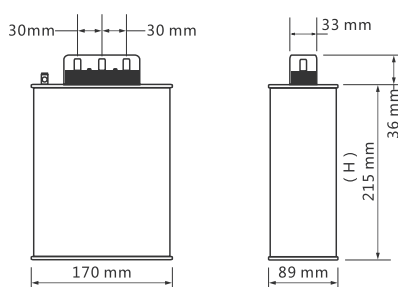
Overall and mounting dimension

A Type



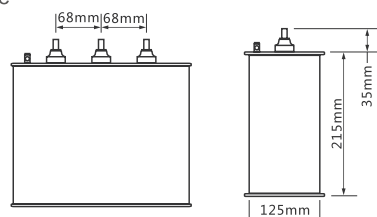
1-6(kvar) H=115mm
 7.5-8(kvar) H=135mm
 10-12(kvar) H=175mm
 14-16(kvar) H=215mm
 18-20(kvar) H=245mm

B Type



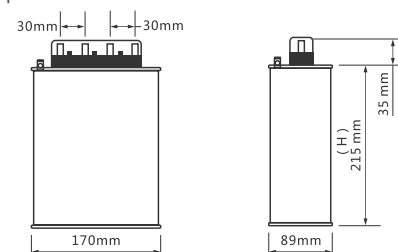
22-25(kvar) H=215mm
 30(kvar) H=245mm
 40(kvar) H=300mm

C Type



BSMJ0.4-50-3

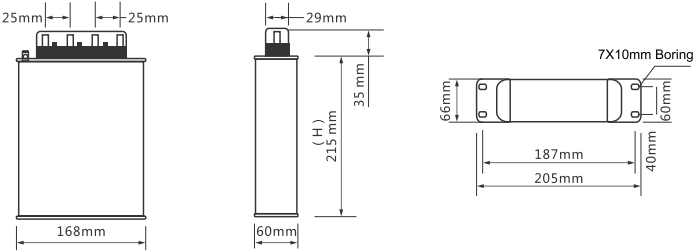
D Type



BSMJ0.23-X-3YN
 X=12(kvar) H=160mm
 X=15, 18(kvar) H=215mm
 X=21(kvar) H=245mm
 X=24(kvar) H=300mm

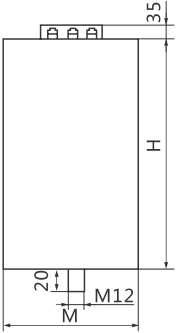
CAPACITOR

E Type



BSMJ0.23-X-3YN
X=3,6(kvar) H=135mm
X=9(kvar) H=215mm

BSMJ(Y), BZMJ(Y)



Model No. BSMJ(Y),BZMJ(J)	shell radius M(mm)	shell high H(mm)
0.4-10-3	76	240
0.4-12.5-3	76	240
0.4-14-3	86	240
0.4-15-3	86	240
0.4-16-3	86	240
0.4-18-3	96	240
0.4-20-3	96	240
0.4-25-3	116	280
0.4-30-3	116	280
0.45-10-3	76	240
0.45-12.5-3	76	240
0.45-14-3	86	240
0.45-15-3	86	240
0.45-16-3	86	240
0.45-18-3	96	240
	96	240
	106	240
	116	280