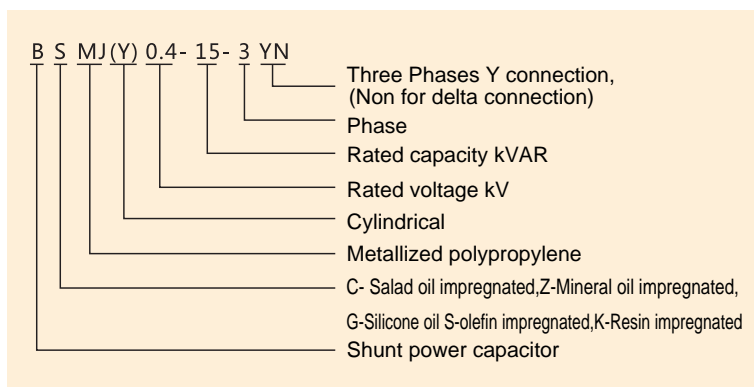


## ▶ Application

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 low-voltage 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 ▶ BSMJ(Y), BZMJ Series Self-healing Shunt 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型 H=115
BSMJ0.4-5-3		5	99	7.2	
BSMJ0.4-7.5-3		7.5	149	10.8	A型 H=135
BSMJ0.4-8-3		8	158	11.5	A型 H=175
BSMJ0.4-10-3		10	198	14.4	
BSMJ0.4-12-3		12	238	17.3	A型 H=215
BSMJ0.4-14-3		14	278	20.2	
BSMJ0.4-15-3		15	298	21.7	A型 H=245
BSMJ0.4-16-3		16	318	23.1	
BSMJ0.4-18-3		18	358	26.0	B型 H=215
BSMJ0.4-20-3		20	398	28.9	
BSMJ0.4-25-3		25	498	36	B型 H=245
BSMJ0.4-30-3		30	597	43.3	
BSMJ0.4-40-3		40	796	57.7	B型 H=300
BSMJ0.4-50-3		50	995	72.2	C型

Table3

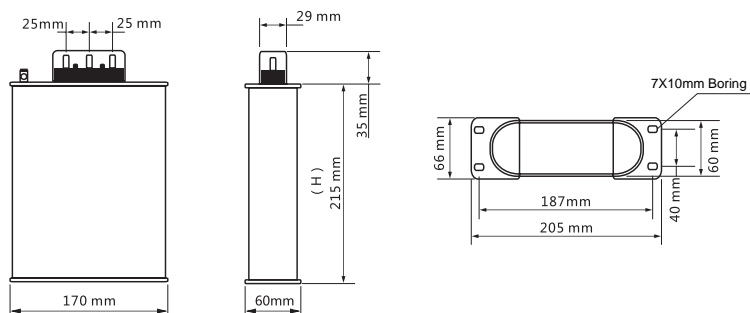
specification	rated voltage(kV)	nominal capacity(Kvar)	Total capacity(uF)	Rated current(A)	Shape and High(mm)
BSMJ0.45-3-3	0.45(50HZ)	3	47	3.8	A型 H=115
BSMJ0.45-5-3		5	78	6.4	
BSMJ0.45-7.5-3		7.5	118	9.6	A型 H=135
BSMJ0.45-8-3		8	126	10.3	A型 H=175
BSMJ0.45-10-3		10	157	12.8	
BSMJ0.45-12-3		12	188	15.4	A型 H=215
BSMJ0.45-14-3		14	220	18	
BSMJ0.45-15-3		15	236	19.2	A型 H=215
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型 H=245
BSMJ0.45-20-3		20	314	25.7	
BSMJ0.45-25-3		25	393	32	B型 H=215
BSMJ0.45-30-3		30	471	38.5	
BSMJ0.45-40-3		40	629	51.3	B型 H=300
BSMJ0.45-50-3	50	786	64.2	C型	

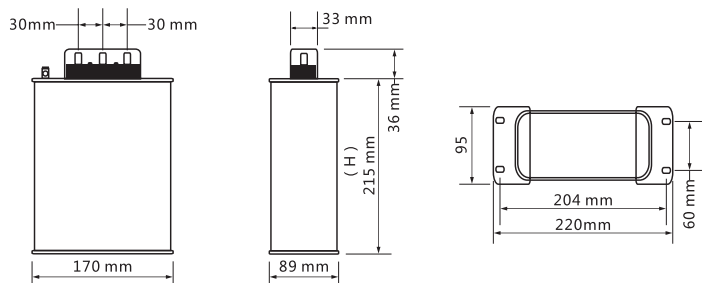
► Overall and mounting dimension

A型



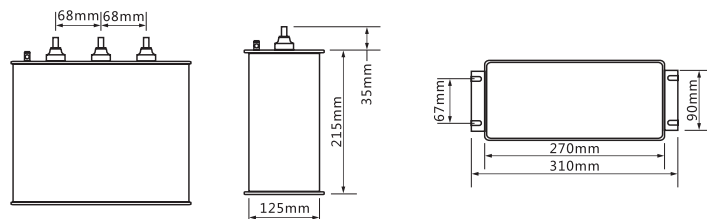
1-6(kvar) H=115mm  
 7.5-8(kvar) H=135mm  
 10-12(kvar) H=175mm  
 14-16(kvar) H=215mm  
 18-20(kvar) H=245mm

B型



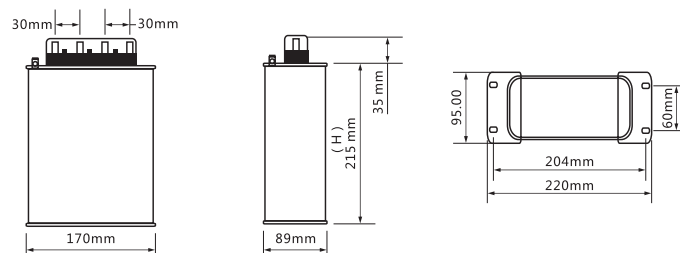
22-25(kvar) H=215mm  
 30(kvar) H=245mm  
 40(kvar) H=300mm

C型



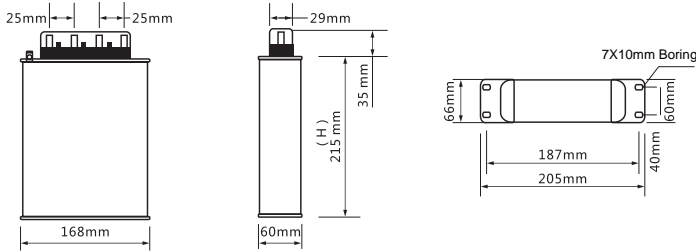
BSMJ0.4-50-3

D型



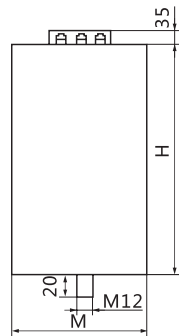
BSMJ0.23-X-3YN  
 X=12(kvar) H=160mm  
 X=15, 18(kvar) H=215mm  
 X=21(kvar) H=245mm  
 X=24(kvar) H=300mm

E型



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
0.45-20-3	96	240
0.45-25-3	106	240
0.45-30-3	116	280

▶ Notice

Please Notice following items in the order,  
 1 Name 2 Model No. 3 quantity 4 Voltage level(kV) 5 capacitor(kVAR) 6 Phases 7 Connection mode