## General Description

With the development of reactive compensation technology, as for three-phase unbalanced load, to conduct the split phase compensation of the reactive power by applying the way of respective three-phase switching of capacitor, so as to improve the accuracy of the compensation and optimize electricity-saving result. In order to do so, our company has developed split phase compensation shunt capacitor. Its shell is designed with neutral points, from which the connecting terminals are led out. That will facilitte the split phase swiching of capacitor.
As to the main features, technical indexes, working conditions, appearance and mounting dimensions, refer to the relevant conditions and parameters of low-voltage shunt capacitor of manufactured by our company.

## Structure and Connection

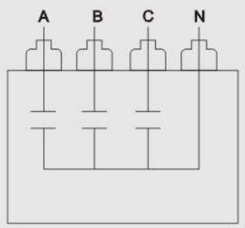
1. Three single-phase capacitors should be connected like Y-, with the neutral point introducing out (End N), thus three singe-phase capacitors are composed. The AN, BN, and CN are independent units during operation.
2. Each independent unit is connected with discharge resistance.
3. Any damage of the independent unit is connected with over voltage buffer to shut off.

Note: three single-phase capacitor with independent unit is also suitable for the split-phbase compensation. The three capacitors are small and are deeply appreciated by the users.

## Model and its meaning

B S MJ 0.23/√3 - 5- 3

- 3 — Phase(three-phase)
- 5 — Rated output(three-phase output)kvar
- 0.23/√3 — Line voltage 0.23/√3 kV, phase voltage 0.23kV
- MJ — Metalized film capacitor
- S — Saturant (S:wax, Z:rape oil, G:silione oil, C:castor oil)
- B — Shunt capacitor




How to connect the capacitor Y-



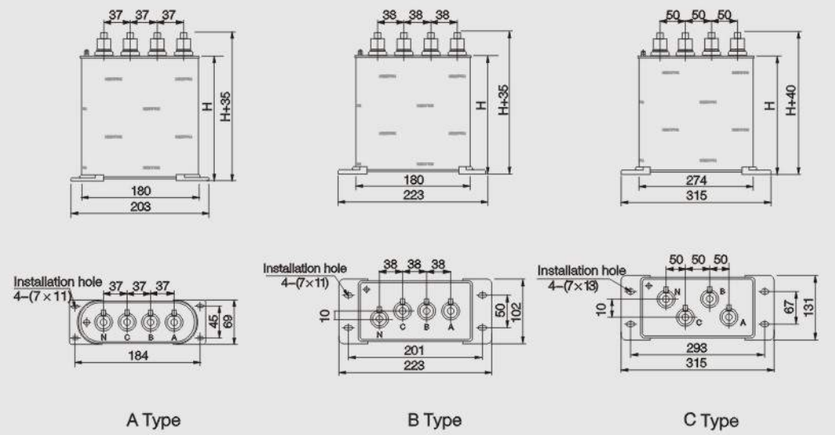


## Main specification

| Model BSMJ、BCMJ、BZMJ | Rated line voltage (kV) | Rated phase voltage (kV) | Three phase total output (kvar) | Rated capacity (μF) | Rated Current (A) | H (mm) | Output Terminal | shell type |
|---|---|---|---|---|---|---|---|---|
| 0.23/√3–1–3 | 0.4 | 0.23 | 1 | 20.1 | 1.4 | 130 | M6 | A |
| 0.23/√3–2–3 | 0.4 | 0.23 | 2 | 40.1 | 2.9 | 130 | M6 | A |
| 0.23/√3–3–3 | 0.4 | 0.23 | 3 | 60.2 | 4.3 | 130 | M6 | A |
| 0.23/√3–4–3 | 0.4 | 0.23 | 4 | 80.2 | 5.8 | 130 | M6 | A |
| 0.23/√3–5–3 | 0.4 | 0.23 | 5 | 100.3 | 7.2 | 130 | M6 | A |
| 0.23/√3–6–3 | 0.4 | 0.23 | 6 | 120.4 | 8.7 | 130 | M6 | A |
| 0.23/√3–7.5–3 | 0.4 | 0.23 | 7.5 | 150.4 | 10.9 | 220 | M6 | A |
| 0.23/√3–8–3 | 0.4 | 0.23 | 8 | 160.5 | 11.6 | 220 | M6 | A |
| 0.23/√3–10–3 | 0.4 | 0.23 | 10 | 200.6 | 14.5 | 220 | M6 | A |
| 0.23/√3–12–3 | 0.4 | 0.23 | 12 | 240.7 | 17.4 | 220 | M6 | A |
| 0.23/√3–14–3 | 0.4 | 0.23 | 14 | 280.8 | 20.3 | 220 | M6 | B |
| 0.23/√3–15–3 | 0.4 | 0.23 | 15 | 300.9 | 21.7 | 220 | M6 | B |
| 0.23/√3–16–3 | 0.4 | 0.23 | 16 | 320.9 | 23.2 | 220 | M6 | B |
| 0.23/√3–18–3 | 0.4 | 0.23 | 18 | 361.0 | 26.1 | 220 | M6 | B |
| 0.23/√3–20–3 | 0.4 | 0.23 | 20 | 401.2 | 29.0 | 270 | M6 | B |
| 0.23/√3–25–3 | 0.4 | 0.23 | 25 | 501.4 | 36.2 | 330 | M8 | B |
| 0.23/√3–30–3 | 0.4 | 0.23 | 30 | 601.7 | 43.5 | 210 | M10 | C |
| 0.25/√3–1–3 | 0.43 | 0.25 | 1 | 17.0 | 1.3 | 130 | M6 | A |
| 0.25/√3–2–3 | 0.43 | 0.25 | 2 | 34.0 | 2.7 | 130 | M6 | A |
| 0.25/√3–3–3 | 0.43 | 0.25 | 3 | 50.9 | 4.0 | 130 | M6 | A |
| 0.25/√3–4–3 | 0.43 | 0.25 | 4 | 67.9 | 5.3 | 130 | M6 | A |
| 0.25/√3–5–3 | 0.43 | 0.25 | 5 | 84.9 | 6.7 | 130 | M6 | A |
| 0.25/√3–6–3 | 0.43 | 0.25 | 6 | 101.9 | 8.0 | 130 | M6 | A |
| 0.25/√3–7.5–3 | 0.43 | 0.25 | 7.5 | 127.3 | 10.0 | 130 | M6 | A |
| 0.25/√3–8–3 | 0.43 | 0.25 | 8 | 135.8 | 10.7 | 220 | M6 | A |
| 0.25/√3–10–3 | 0.43 | 0.25 | 10 | 169.8 | 13.3 | 220 | M6 | A |
| 0.25/√3–12–3 | 0.43 | 0.25 | 12 | 203.7 | 16.0 | 220 | M6 | A |
| 0.25/√3–14–3 | 0.43 | 0.25 | 14 | 237.7 | 18.7 | 220 | M6 | A |
| 0.25/√3–15–3 | 0.43 | 0.25 | 15 | 254.6 | 20.0 | 220 | M6 | B |
| 0.25/√3–16–3 | 0.43 | 0.25 | 16 | 271.6 | 21.3 | 220 | M6 | B |
| 0.25/√3–18–3 | 0.43 | 0.25 | 18 | 305.6 | 24.0 | 220 | M6 | B |
| 0.25/√3–20–3 | 0.43 | 0.25 | 20 | 339.5 | 26.7 | 270 | M6 | B |
| 0.25/√3–25–3 | 0.43 | 0.25 | 25 | 424.4 | 33.3 | 270 | M8 | B |
| 0.25/√3–30–3 | 0.43 | 0.25 | 30 | 509.3 | 40.0 | 210 | M10 | C |

Products with special types and specifications will be supplied according to users requirements.

## Overall Dimension




A Type B Type C Type