

D Power management system

D1 capacitor



BSMJS



CDCE3



BKMJS



CDCAP3

BSMJS Self-healing low voltage shunt capacitor

Product overview

Product feature

- Core material: polypropylene metallized film
- Explosion-proof structure: use over-pressure isolator
- The shell is treated with frosted iron sheet and anti-rust coating/tinplate spray paint
- The element uses a soft copper wire to lead to a copper conductive screw terminal
- The terminal block is made of black phenolic material by heating and pressing
- The transparent anti-arc and dust-proof cover is made of PC material by heating and pressing
- The mounting bracket adopts the sliding and insert type reverse buckle structure and is made of PC material by hot pressing



Working conditions and installation conditions

- Ambient air temperature: -25℃ ~50℃ (C class)
- Relative humidity: ≤50% at 40℃, 90% at 20℃
- Altitude: 2000m
- Environmental condition: No harmful gas and steam, no electrical conductivity and explosive dust, no violent mechanical vibration
- Installation position: Vertical installation,the tilt of each direction does not exceed 10°

Product selection

Product model	Whether with reactance	Rated voltage	Rated compensation capacity	Compensation mode	Shell form
BSMJS	0	04500	0150	3	D
	0: No reactance 2: Band reactance	02300: 0.23KV 02500: 0.25KV 02800: 0.28KV 04000: 0.4KV 04150: 0.415KV 04400: 0.44KV 04500: 0.45KV 04800: 0.48KV 05250: 0.525V 06900: 0.69KV 07500: 0.75KV 02303: 0.23√3KV 02503: 0.25√3KV 02803: 0.28√3KV 04003: 0.4√3KV	0005: 0.5kvar ... 0075: 7.5kvar ... 0100: 10kvar ... 0150: 15kvar ... 0200: 20kvar ... 0300: 30kvar ... 0400: 40kvar ... 0600: 60kvar	1:Single-phase compensation 2:Three-phase compensation 3:Split-phase compensation 3YN	D:type D M:type M Q:type Q

Note1: Voltage representation of different compensation modes

Single-phase compensation rated operating voltage depends on the customer's use mode, phase or line can be;

The rated operating voltage of three-phase compensation is expressed by line voltage;

Split phase compensation rated operating voltage is indicated by phase voltage $\sqrt{3}$;

Note2: The maximum compensation capacity of different compensation methods and different rated working voltages is different.

Note3: Different compensation methods and different rated operating voltage dimensions are different, divided into the following types:

D:D type oblate shell

M:M type rectangular shell

Q: Q type rectangular shell

Note4: See details for different operating voltages and different compensation mode capacity ranges and sizes.

Note5: The compensation method and other compensation capacities within the rated operating voltage range can be customized.

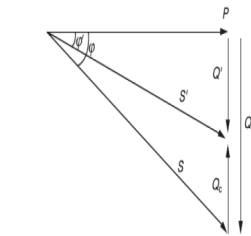


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Technical parameter

International standard		IEC60831-1996
National standard		GB/T12747-2017
Rated voltage		230V、250V、280V、400V、415V、440V、450V、480V、660V、690V、760V
Rated capacity		0.5~60kvar
Capacity deviation	μF	0 ~ +10% of rated capacity
Loss Angle tangent value	tanδ	At power frequency rated voltage , 20°Ctanδ≤0.2%
Rated frequency		50 Hz
Withstand voltage between electrodes	Un	2.15S of rated voltage
Allowable overvoltage	Un	1.10 of rated voltage (No more than 8 hours in every 24 hours)
Allowable overcurrent	In	1.43 of rated current
Self-discharge characteristic		The residual voltage drops from √2Un to less than 50V in 3 minutes after power failure
Voltage to earth	(Ue) V	3000V AC 50Hz

Reactive power calculation



P:Active power
Qc:Reactive power
φ :Phase Angle (Before compensation)
':Phase Angle (after compensation)

Compensation schematic diagram $Q_c = P(\tan \phi - \tan \phi')$

BSMJS Compensation table

Single-phase compensation	reactance	voltage (kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	rated capacity(μF)
	no	0.23	5	1	D130	BSMJS00230000501D	BSMJS—0—0.23—5—1—D	21.7	300.86
	no	0.23	10	1	D210	BSMJS00230001001D	BSMJS—0—0.23—10—1—D	43.5	601.72
	no	0.23	15	1	D290	BSMJS00230001501D	BSMJS—0—0.23—15—1—D	65.2	902.58
	no	0.23	30	1	Q210	BSMJS00230003001Q	BSMJS—0—0.23—30—1—Q	130.4	1805.16
	no	0.25	2	1	D100	BSMJS00250000201D	BSMJS—0—0.25—2—1—D	8.0	101.86
	no	0.25	5	1	D130	BSMJS00250000501D	BSMJS—0—0.25—5—1—D	20.0	254.65
	no	0.25	8	1	D185	BSMJS00250000801D	BSMJS—0—0.25—8—1—D	32.0	407.44
	no	0.25	10	1	D210	BSMJS00250001001D	BSMJS—0—0.25—10—1—D	40.0	509.30
	no	0.25	12	1	D210	BSMJS00250001201D	BSMJS—0—0.25—12—1—D	48.0	611.15
	no	0.25	15	1	D290	BSMJS00250001501D	BSMJS—0—0.25—15—1—D	60.0	763.94
	no	0.25	20	1	M265	BSMJS00250002001M	BSMJS—0—0.25—20—1—M	80.0	1018.59

BSMJS Self-healing low voltage shunt capacitor

	reactance	voltage (kV)	capacity (kvar)	phase	shell	Material code	Material description	rated current (A)	Rated capacity (μ F)
Single-phase compensation	no	0.28	5	1	D130	BSMJS00280000501D	BSMJS—0—0.28—5—1—D	17.9	203.00
	no	0.28	10	1	D210	BSMJS00280001001D	BSMJS—0—0.28—10—1—D	35.7	406.01
	no	0.28	15	1	M265	BSMJS00280002001M	BSMJS—0—0.28—20—1—M	71.4	812.02
	no	0.28	30	1	Q210	BSMJS00280003001Q	BSMJS—0—0.28—30—1—Q	107.1	1218.02
	no	0.25	5	1	D100	BSMJS00400000501D	BSMJS—0—0.4—5—1—D	12.5	99.47
	no	0.4	7.5	1	D130	BSMJS00400000751D	BSMJS—0—0.4—7.5—1—D	18.8	149.21
	no	0.4	10	1	D130	BSMJS00400001001D	BSMJS—0—0.4—10—1—D	25.0	198.94
	no	0.4	14	1	D185	BSMJS00400001401D	BSMJS—0—0.4—14—1—D	35.0	278.52
	no	0.4	15	1	D185	BSMJS00400001501D	BSMJS—0—0.4—15—1—D	37.5	298.42
	no	0.4	16	1	D185	BSMJS00400001601D	BSMJS—0—0.4—16—1—D	40.0	318.31
	no	0.4	20	1	D210	BSMJS00400002001D	BSMJS—0—0.4—20—1—D	50.0	397.89
	no	0.4	25	1	D245	BSMJS00400002501D	BSMJS—0—0.4—25—1—D	62.5	497.36
	no	0.4	30	1	D290	BSMJS00400003001D	BSMJS—0—0.4—30—1—D	75.0	596.83
	no	0.4	40	1	M265	BSMJS00400004001M	BSMJS—0—0.4—40—1—M	100.0	795.77
	no	0.4	50	1	Q210	BSMJS00400005001Q	BSMJS—0—0.4—50—1—Q	125.0	994.72
	no	0.45	1	1	D100	BSMJS00450000101D	BSMJS—0—0.45—1—1—D	2.2	15.72
	no	0.45	3	1	D100	BSMJS00450000301D	BSMJS—0—0.45—3—1—D	6.7	47.16
	no	0.45	5	1	D100	BSMJS00450000501D	BSMJS—0—0.45—5—1—D	11.1	78.60
	no	0.45	10	1	D130	BSMJS00450001001D	BSMJS—0—0.45—10—1—D	22.2	157.19
	no	0.45	15	1	D165	BSMJS00450001501D0	BSMJS—0—0.45—15—1—D	33.3	235.79
	no	0.45	15	1	D185	BSMJS00450001501D	BSMJS—0—0.45—15—1—D	33.3	235.79
	no	0.45	16	1	D165	BSMJS00450001601D0	BSMJS—0—0.45—16—1—D	35.6	251.50
	no	0.45	16	1	D185	BSMJS00450001601D	BSMJS—0—0.45—16—1—D	35.6	251.50
	no	0.45	18	1	D185	BSMJS00450001801D0	BSMJS—0—0.45—18—1—D	40.0	282.94
	no	0.45	18	1	D210	BSMJS00450001801D	BSMJS—0—0.45—18—1—D	40.0	282.94
	no	0.45	20	1	D185	BSMJS00450002001D0	BSMJS—0—0.45—20—1—D	44.4	314.38
	no	0.45	20	1	D210	BSMJS00450002001D	BSMJS—0—0.45—20—1—D	44.4	314.38
	no	0.45	25	1	D210	BSMJS00450002501D0	BSMJS—0—0.45—25—1—D	55.6	392.98
	no	0.45	25	1	D245	BSMJS00450002501D	BSMJS—0—0.45—25—1—D	55.6	392.98
	no	0.45	30	1	D245	BSMJS00450003001D0	BSMJS—0—0.45—30—1—D	66.7	471.57

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	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	rated capacity(μF)
Single-phase compensation	no	0.45	30	1	D290	BSMJS00450003001D	BSMJS-0-0.45-30-1-D	66.7	471.57
	no	0.45	40	1	M265	BSMJS00450004001M	BSMJS-0-0.45-40-1-M	88.9	628.76
	no	0.45	50	1	M265	BSMJS00450005001M	BSMJS-0-0.45-50-1-M	111.1	785.95
	no	0.45	50	1	Q210	BSMJS00450005001Q	BSMJS-0-0.45-50-1-Q	111.1	785.95
	no	0.48	25	1	M265	BSMJS00480002501M	BSMJS-0-0.48-25-1-M	52.1	345.39
	no	0.48	30	1	M265	BSMJS00480003001M	BSMJS-0-0.48-30-1-M	62.5	414.47
	no	0.525	15	1	D210	BSMJS00525001501D	BSMJS-0-0.525-15-1-D	28.6	173.23
	no	0.525	20	1	D245	BSMJS00525002001D	BSMJS-0-0.525-20-1-D	38.1	230.97
	no	0.525	50	1	Q210	BSMJS00525005001Q	BSMJS-0-0.525-50-1-Q	95.2	577.43
	no	0.23	10	3	D210	BSMJS00230001003D	BSMJS-0-0.23-10-3-D	25.1	601.7
	no	0.23	15	3	D290	BSMJS00230001503D	BSMJS-0-0.23-15-3-D	37.7	902.6
	no	0.23	20	3	M265	BSMJS00230002003M	BSMJS-0-0.23-20-3-M	50.2	1203.4
	no	0.23	30	3	Q210	BSMJS00230003003Q	BSMJS-0-0.23-30-3-Q	75.3	1805.2
	no	0.25	20	3	M265	BSMJS00250002003M	BSMJS-0-0.25-20-3-M	46.2	1018.6
	no	0.25	25	3	Q210	BSMJS00250002503Q	BSMJS-0-0.25-25-3-Q	57.7	1273.2
Three-phase compensation	no	0.4	1	3	D100	BSMJS00400000103D	BSMJS-0-0.4-1-3-D	1.4	19.9
	no	0.4	2	3	D100	BSMJS00400000203D	BSMJS-0-0.4-2-3-D	2.9	39.8
	no	0.4	3	3	D100	BSMJS00400000303D	BSMJS-0-0.4-3-3-D	4.3	59.7
	no	0.4	4	3	D100	BSMJS00400000403D	BSMJS-0-0.4-4-3-D	5.8	79.6
	no	0.4	5	3	D100	BSMJS00400000503D	BSMJS-0-0.4-5-3-D	7.2	99.5
	no	0.4	6	3	D100	BSMJS00400000603D	BSMJS-0-0.4-6-3-D	8.7	119.4
	no	0.4	7.5	3	D130	BSMJS00400000753D	BSMJS-0-0.4-7.5-3-D	10.8	149.2
	no	0.4	8	3	D130	BSMJS00400000803D	BSMJS-0-0.4-8-3-D	11.5	159.2
	no	0.4	10	3	D130	BSMJS00400001003D	BSMJS-0-0.4-10-3-D	14.4	198.9
	no	0.4	12	3	D185	BSMJS00400001203D	BSMJS-0-0.4-12-3-D	17.3	238.7
	no	0.4	14	3	D185	BSMJS00400001403D	BSMJS-0-0.4-14-3-D	20.2	278.5
	no	0.4	15	3	D185	BSMJS00400001503D	BSMJS-0-0.4-15-3-D	21.7	298.4
	no	0.4	16	3	D185	BSMJS00400001603D	BSMJS-0-0.4-16-3-D	23.1	318.3
	no	0.4	18	3	D210	BSMJS00400001803D	BSMJS-0-0.4-18-3-D	26.0	358.1
	no	0.4	20	3	D210	BSMJS00400002003D	BSMJS-0-0.4-20-3-D	28.9	397.9

BSMJS Self-healing low voltage shunt capacitor

	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	Rated capacity(μ F)
Three-phase compensation	no	0.4	24	3	D245	BSMJS00400002403D	BSMJS-0-0.4-24-3-D	34.6	477.5
	no	0.4	25	3	D245	BSMJS00400002503D	BSMJS-0-0.4-25-3-D	36.1	497.4
	no	0.4	26	3	D290	BSMJS00400002603D	BSMJS-0-0.4-26-3-D	37.5	517.3
	no	0.4	30	3	D290	BSMJS00400003003D	BSMJS-0-0.4-30-3-D	43.3	596.8
	no	0.4	30	3	M210	BSMJS00400003003M	BSMJS-0-0.4-30-3-M	43.3	596.8
	no	0.4	35	3	M265	BSMJS00400003503M	BSMJS-0-0.4-35-3-M	50.5	696.3
	no	0.4	40	3	M265	BSMJS00400004003M	BSMJS-0-0.4-40-3-M	57.7	795.8
	no	0.4	50	3	Q210	BSMJS00400005003Q	BSMJS-0-0.4-50-3-Q	72.2	994.7
	no	0.4	60	3	Q240	BSMJS00400006003Q	BSMJS-0-0.4-60-3-Q	86.6	1193.7
	no	0.415	3	3	D100	BSMJS00415000303D	BSMJS-0-0.415-3-3-D	4.2	55.4
	no	0.415	5	3	D100	BSMJS00415000503D	BSMJS-0-0.415-5-3-D	7.0	92.4
	no	0.415	6	3	D100	BSMJS00415000603D	BSMJS-0-0.415-6-3-D	8.3	110.9
	no	0.415	8	3	D130	BSMJS00415000803D	BSMJS-0-0.415-8-3-D	11.1	147.9
	no	0.415	10	3	D130	BSMJS00415001003D	BSMJS-0-0.415-10-3-D	13.9	184.8
	no	0.415	15	3	D185	BSMJS00415001503D	BSMJS-0-0.415-15-3-D	20.9	277.2
	no	0.415	16	3	D185	BSMJS00415001603D	BSMJS-0-0.415-16-3-D	22.3	295.7
	no	0.415	20	3	D210	BSMJS00415002003D	BSMJS-0-0.415-20-3-D	27.8	369.6
	no	0.415	25	3	D245	BSMJS00415002503D	BSMJS-0-0.415-25-3-D	34.8	462.1
	no	0.415	30	3	D290	BSMJS00415003003D	BSMJS-0-0.415-30-3-D	41.7	554.5
	no	0.415	40	3	M265	BSMJS00415004003M	BSMJS-0-0.415-40-3-M	55.6	739.3
	no	0.415	50	3	Q240	BSMJS00415005003Q	BSMJS-0-0.415-50-3-Q	69.6	924.1
	no	0.44	15	3	D185	BSMJS00440001503D	BSMJS-0-0.44-15-3-D	19.7	246.6
	no	0.44	16	3	D185	BSMJS00440001603D	BSMJS-0-0.44-16-3-D	21.0	263.1
	no	0.44	20	3	D210	BSMJS00440002003D	BSMJS-0-0.44-20-3-D	26.2	328.8
	no	0.44	25	3	D245	BSMJS00440002503D	BSMJS-0-0.44-25-3-D	32.8	411.0
	no	0.44	30	3	D290	BSMJS00440003003D	BSMJS-0-0.44-30-3-D	39.4	493.2
	no	0.44	40	3	M265	BSMJS00440004003M	BSMJS-0-0.44-40-3-M	52.5	657.7
	no	0.45	1	3	D100	BSMJS00450000103D	BSMJS-0-0.45-1-3-D	1.3	15.7
	no	0.45	2	3	D100	BSMJS00450000203D	BSMJS-0-0.45-2-3-D	2.6	31.4
	no	0.45	3	3	D100	BSMJS00450000303D	BSMJS-0-0.45-3-3-D	3.8	47.2

BSMJS Self-healing low voltage shunt capacitor

	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	rated capacity(μF)
Three-phase compensation	no	0.45	4	3	D100	BSMJS00450000403D	BSMJS-0-0.45-4-3-D	5.1	62.9
	no	0.45	5	3	D100	BSMJS00450000503D	BSMJS-0-0.45-5-3-D	6.4	78.6
	no	0.45	6	3	D100	BSMJS00450000603D	BSMJS-0-0.45-6-3-D	7.7	94.3
	no	0.45	7	3	D100	BSMJS00450000703D	BSMJS-0-0.45-7-3-D	9.0	110.0
	no	0.45	7.5	3	D100	BSMJS00450000753D0	BSMJS-0-0.45-7.5-3-D	9.6	117.9
	no	0.45	7.5	3	D130	BSMJS00450000753D	BSMJS-0-0.45-7.5-3-D	9.6	117.9
	no	0.45	8	3	D100	BSMJS00450000803D0	BSMJS-0-0.45-8-3-D	10.3	125.8
	no	0.45	8	3	D130	BSMJS00450000803D	BSMJS-0-0.45-8-3-D	10.3	125.8
	no	0.45	8	3	D130	BSMJS00450001003D	BSMJS-0-0.45-10-3-D	12.8	157.2
	no	0.45	8	3	D130	BSMJS00450001203D0	BSMJS-0-0.45-12-3-D	15.4	188.6
	no	0.45	8	3	D185	BSMJS00450001203D	BSMJS-0-0.45-12-3-D	15.4	188.6
	no	0.45	14	3	D165	BSMJS00450001403D0	BSMJS-0-0.45-14-3-D	18.0	220.1
	no	0.45	14	3	D185	BSMJS00450001403D	BSMJS-0-0.45-14-3-D	18.0	220.1
	no	0.45	15	3	D165	BSMJS00450001503D0	BSMJS-0-0.45-15-3-D	19.2	235.8
	no	0.45	15	3	D185	BSMJS00450001503D	BSMJS-0-0.45-15-3-D	19.2	235.8
	no	0.45	16	3	D165	BSMJS00450001603D0	BSMJS-0-0.45-16-3-D	20.5	251.5
	no	0.45	16	3	D185	BSMJS00450001603D	BSMJS-0-0.45-16-3-D	20.5	251.5
	no	0.45	18	3	D185	BSMJS00450001803D0	BSMJS-0-0.45-18-3-D	23.1	282.9
	no	0.45	18	3	D210	BSMJS00450001803D	BSMJS-0-0.45-18-3-D	23.1	282.9
	no	0.45	20	3	D185	BSMJS00450002003D0	BSMJS-0-0.45-20-3-D	25.7	314.4
	no	0.45	20	3	D210	BSMJS00450002003D	BSMJS-0-0.45-20-3-D	25.7	314.4
	no	0.45	24	3	D210	BSMJS00450002403D0	BSMJS-0-0.45-24-3-D	30.8	377.3
	no	0.45	24	3	D245	BSMJS00450002403D	BSMJS-0-0.45-24-3-D	30.8	377.3
	no	0.45	25	3	D210	BSMJS00450002503D0	BSMJS-0-0.45-25-3-D	32.1	393.0
	no	0.45	25	3	D245	BSMJS00450002503D	BSMJS-0-0.45-25-3-D	32.1	393.0
	no	0.45	28	3	D245	BSMJS00450002803D0	BSMJS-0-0.45-28-3-D	35.9	440.1
	no	0.45	28	3	D290	BSMJS00450002803D	BSMJS-0-0.45-28-3-D	35.9	440.1
	no	0.45	30	3	D245	BSMJS00450003003D0	BSMJS-0-0.45-30-3-D	38.5	471.6
	no	0.45	30	3	D290	BSMJS00450003003D	BSMJS-0-0.45-30-3-D	38.5	471.6
	no	0.45	30	3	M210	BSMJS00450003003M	BSMJS-0-0.45-30-3-M	38.5	471.6

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	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	rated capacity(μF)
Three-phase compensation	no	0.45	35	3	D290	BSMJS00450003503D	BSMJS-0-0.45-35-3-D	44.9	550.2
	no	0.45	35	3	M265	BSMJS00450003503M	BSMJS-0-0.45-35-3-M	44.9	550.2
	no	0.45	40	3	M265	BSMJS00450004003M	BSMJS-0-0.45-40-3-M	51.3	628.8
	no	0.45	40	3	Q210	BSMJS00450004003Q	BSMJS-0-0.45-40-3-Q	51.3	628.8
	no	0.45	45	3	M265	BSMJS00450004503M	BSMJS-0-0.45-45-3-M	57.7	707.4
	no	0.45	45	3	Q210	BSMJS00450004503Q	BSMJS-0-0.45-45-3-Q	57.7	707.4
	no	0.45	50	3	M265	BSMJS00450005003M	BSMJS-0-0.45-50-3-M	64.2	786.0
	no	0.45	50	3	Q210	BSMJS00450005003Q	BSMJS-0-0.45-50-3-Q	64.2	786.0
	no	0.45	60	3	M320	BSMJS00450006003M	BSMJS-0-0.45-60-3-M	77.0	943.1
	no	0.45	60	3	Q240	BSMJS00450006003Q	BSMJS-0-0.45-60-3-Q	77.0	943.1
	no	0.48	5	3	D100	BSMJS00480000503D	BSMJS-0-0.48-5-3-D	6.0	69.1
	no	0.48	12	3	D185	BSMJS00480001203D	BSMJS-0-0.48-12-3-D	14.4	165.8
	no	0.48	15	3	D210	BSMJS00480001503D	BSMJS-0-0.48-15-3-D	18.0	207.2
	no	0.48	16	3	D290	BSMJS00480001603D	BSMJS-0-0.48-16-3-D	19.2	221.0
	no	0.48	20	3	D290	BSMJS00480002003D	BSMJS-0-0.48-20-3-D	24.1	276.3
	no	0.48	20	3	M210	BSMJS00480002003M	BSMJS-0-0.48-20-3-M	24.1	276.3
	no	0.48	25	3	M265	BSMJS00480002503M	BSMJS-0-0.48-25-3-M	30.1	345.4
	no	0.48	30	3	M265	BSMJS00480003003M	BSMJS-0-0.48-30-3-M	36.1	414.5
	no	0.48	35	3	Q210	BSMJS00480003503Q	BSMJS-0-0.48-35-3-Q	42.1	483.5
	no	0.48	40	3	Q210	BSMJS00480004003Q	BSMJS-0-0.48-40-3-Q	48.1	552.6
	no	0.48	50	3	Q210	BSMJS00480005003Q	BSMJS-0-0.48-50-3-Q	60.1	690.8
	no	0.525	5	3	D130	BSMJS00525000503D	BSMJS-0-0.525-5-3-D	5.5	57.7
	no	0.525	10	3	D210	BSMJS00525001003D	BSMJS-0-0.525-10-3-D	11.0	115.5
	no	0.525	15	3	D210	BSMJS00525001503D	BSMJS-0-0.525-15-3-D	16.5	173.2
	no	0.525	16	3	D210	BSMJS00525001603D	BSMJS-0-0.525-16-3-D	17.6	184.8
	no	0.525	18	3	D210	BSMJS00525001803D	BSMJS-0-0.525-18-3-D	19.8	207.9
	no	0.525	20	3	D290	BSMJS00525002003D	BSMJS-0-0.525-20-3-D	22.0	231.0
	no	0.525	24	3	D290	BSMJS00525002403D	BSMJS-0-0.525-24-3-D	26.4	277.2
	no	0.525	25	3	D290	BSMJS00525002503D	BSMJS-0-0.525-25-3-D	27.5	288.7
	no	0.525	30	3	M265	BSMJS00525003003M	BSMJS-0-0.525-30-3-M	33.0	346.5

BSMJS Self-healing low voltage shunt capacitor

	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current (A)	rated capacity(μF)
Three-phase compensation	no	0.525	35	3	M265	BSMJS00525003503M	BSMJS-0-0.525-35-3-M	38.5	404.2
	no	0.525	40	3	Q210	BSMJS00525004003Q	BSMJS-0-0.525-40-3-Q	44.0	461.9
	no	0.525	50	3	Q210	BSMJS00525005003Q	BSMJS-0-0.525-50-3-Q	55.0	577.4
	no	0.525	60	3	Q240	BSMJS00525006003Q	BSMJS-0-0.525-60-3-Q	66.0	692.9
	no	0.69	10	3	D130	BSMJS00690001003D	BSMJS-0-0.69-10-3-D	8.4	66.9
	no	0.69	12	3	D185	BSMJS00690001203D	BSMJS-0-0.69-12-3-D	10.0	80.2
		0.69	15	3	D185	BSMJS00690001503D	BSMJS-0-0.69-15-3-D	12.6	100.3
	no	0.69	18	3	D210	BSMJS00690001803D	BSMJS-0-0.69-18-3-D	15.1	120.3
	no	0.69	20	3	D210	BSMJS00690002003D	BSMJS-0-0.69-20-3-D	16.7	133.7
	no	0.69	25	3	D245	BSMJS00690002503D	BSMJS-0-0.69-25-3-D	20.9	167.1
	no	0.69	30	3	D290	BSMJS00690003003D	BSMJS-0-0.69-30-3-D	25.1	200.6
	no	0.69	40	3	M265	BSMJS00690004003M	BSMJS-0-0.69-40-3-M	33.5	267.4
	no	0.69	50	3	Q210	BSMJS00690005003Q	BSMJS-0-0.69-50-3-Q	41.8	334.3
	no	0.75	16	3	D130	BSMJS00750001603D	BSMJS-0-0.75-16-3-D	12.3	90.5
	no	0.75	20	3	D210	BSMJS00750002003D	BSMJS-0-0.75-20-3-D	15.4	113.2
	no	0.75	30	3	M210	BSMJS00750003003M	BSMJS-0-0.75-30-3-M	23.1	169.8
	no	0.75	40	3	M265	BSMJS00750004003M	BSMJS-0-0.75-40-3-M	30.8	226.4
	no	0.75	60	3	Q240	BSMJS00750006003Q	BSMJS-0-0.75-60-3-Q	46.2	339.5
	no	0.82	60	3	Q240	BSMJS00820006003Q	BSMJS-0-0.82-60-3-Q	42.2	284.0
	with	0.4	10	3	D185		BSMJS-2-0.4-10-3-D with a reactor	14.4	198.9
	with	0.4	15	3	D245		BSMJS-2-0.4-15-3-D with a reactor	21.7	298.4
	with	0.4	20	3	D245		BSMJS-2-0.4-20-3-D with a reactor	28.9	397.9
	with	0.4	25	3	D290		BSMJS-2-0.4-25-3-D	36.1	497.4
	with	0.4	30	3	M265		with a reactor	43.3	596.8
	with	0.45	3	3	D100	BSMJS2045000303D	BSMJS-2-0.45-3-3-D with a reactor	3.8	47.2
	with	0.45	6	3	D130	BSMJS20450000603D	BSMJS-2-0.45-6-3-D with a reactor	7.7	94.3
	with	0.45	10	3	D185	BSMJS20450001003D	BSMJS-2-0.45-10-3-D with a reactor	12.8	157.2
	with	0.45	15	3	D245	BSMJS20450001503D	BSMJS-2-0.45-15-3-D with a reactor	19.2	235.8
	with	0.45	16	3	D245	BSMJS20450001603D	BSMJS-2-0.45-16-3-D with a reactor	20.5	251.5
	with	0.45	18	3	D245	BSMJS20450001803D	BSMJS-2-0.45-18-3-D with a reactor	23.1	282.9

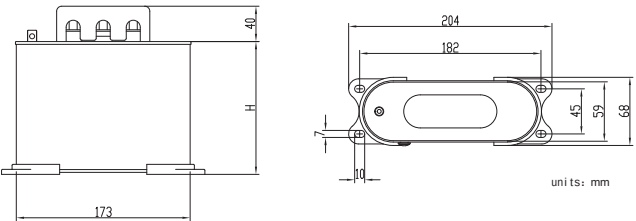
BSMJS Self-healing low voltage shunt capacitor

	reactance	voltage(kV)	capacity(kvar)	phase	shell	material mode	marerial description	rated current (A)	rated capacity(μ F)
Three-phase compensation	with	0.45	20	3	D245	BSMJS20450002003D	BSMJS-2-0.45-20-3-D with a reactor	25.7	314.4
	with	0.45	25	3	D290	BSMJS20450002503D	BSMJS-2-0.45-25-3-D with a reactor	32.1	393.0
	with	0.45	30	3	M265	BSMJS20450003003M	BSMJS-2-0.45-30-3-M with a reactor	38.5	471.6
	with	0.45	40	3	Q210	BSMJS20450004003Q	BSMJS-2-0.45-40-3-Q with a reactor	51.3	628.8
	with	0.48	25	3	M265	BSMJS20480002503M	BSMJS-2-0.48-25-3-M with a reactor	30.1	345.4
	with	0.48	40	3	Q240	BSMJS20480004003Q	BSMJS-2-0.48-40-3-Q with a reactor	48.1	552.6

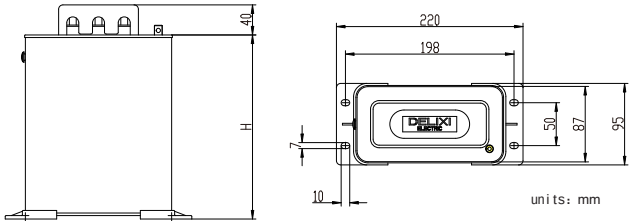
	reactance	voltage(kV)	capacity(kvar)	phase	shell	material code	material description	rated current(A)	rated capacity(μF)
Split-phase compensation	no	0.23	5	3YN	D130	BSMJS00230300504D	BSMJS-0.23√3-5-3YN-D	7.2	100.3
	no	0.23	10	3YN	D210	BSMJS00230301004D	BSMJS-0.23√3-10-3YN-D	14.5	200.6
	no	0.23	15	3YN	D290	BSMJS00230301504D	BSMJS-0.23√3-15-3YN-D	21.7	300.9
	no	0.23	20	3YN	M265	BSMJS00230302004M	BSMJS-0.23√3-20-3YN-M	29.0	401.1
	no	0.23	25	3YN	Q210	BSMJS00230302504Q	BSMJS-0.23√3-25-3YN-Q	36.2	501.4
	no	0.23	30	3YN	Q210	BSMJS00230303004Q	BSMJS-0.23√3-30-3YN-Q	43.5	601.7
	no	0.25	3	3YN	D100	BSMJS00250300304D	BSMJS-0.25√3-3-3YN-D	4.0	50.9
	no	0.25	5	3YN	D130	BSMJS00250300504D	BSMJS-0.25√3-5-3YN-D	6.7	84.9
	no	0.25	7.5	3YN	D185	BSMJS00250300754D	BSMJS-0.25√3-7.5-3YN-D	10.0	127.3
	no	0.25	10	3YN	D210	BSMJS00250301004D	BSMJS-0.25√3-10-3YN-D	13.3	169.8
	no	0.25	15	3YN	D290	BSMJS00250301504D	BSMJS-0.25√3-15-3YN-D	20.0	254.6
	no	0.25	16	3YN	D290	BSMJS00250301604D	BSMJS-0.25√3-16-3YN-D	21.3	271.6
	no	0.25	18	3YN	D290	BSMJS00250301804D	BSMJS-0.25√3-18-3YN-D	24.0	305.6
	no	0.25	20	3YN	M265	BSMJS00250302004M	BSMJS-0.25√3-20-3YN-M	26.7	339.5
	no	0.25	24	3YN	M265	BSMJS00250302404M	BSMJS-0.25√3-24-3YN-M	32.0	407.4
	no	0.25	25	3YN	Q210	BSMJS00250302504Q	BSMJS-0.25√3-25-3YN-Q	33.3	424.4
	no	0.25	30	3YN	Q210	BSMJS00250303004Q	BSMJS-0.25√3-30-3YN-Q	40.0	509.3
	no	0.25	35	3YN	Q240	BSMJS00250303504Q	BSMJS-0.25√3-35-3YN-Q	46.7	594.2
	no	0.25	40	3YN	Q240	BSMJS00250304004Q	BSMJS-0.25√3-40-3YN-Q	53.3	679.1
	no	0.25	45	3YN	Q240	BSMJS00250304504Q	BSMJS-0.25√3-45-3YN-Q	60.0	763.8
	no	0.28	15	3YN	D290	BSMJS00280301504D	BSMJS-0.28√3-15-3YN-D	17.9	203.0
	no	0.28	20	3YN	M265	BSMJS00280302004M	BSMJS-0.28√3-20-3YN-M	23.8	270.7
	no	0.28	25	3YN	Q210	BSMJS00280302504M	BSMJS-0.28√3-25-3YN-M	29.8	338.3
	no	0.28	30	3YN	Q210	BSMJS00280303004Q	BSMJS-0.28√3-30-3YN-Q	35.7	406.0
	no	0.28	40	3YN	Q240	BSMJS00280304004Q	BSMJS-0.28√3-40-3YN-Q	47.6	541.3
	no	0.28	45	3YN	Q240	BSMJS00280304504Q	BSMJS-0.28√3-45-3YN-Q	53.6	609.0
	no	0.3	30	3YN	Q210	BSMJS00300303004Q	BSMJS-0.3√3-30-3YN-Q	33.3	353.9

Outline and mounting dimensions

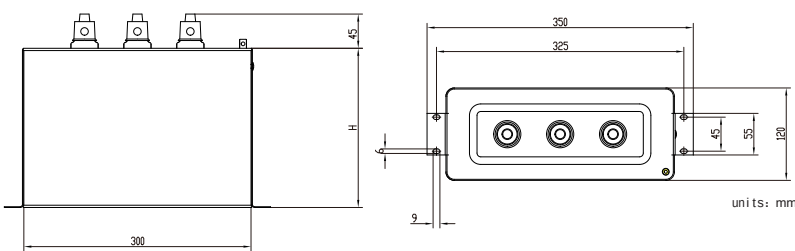
type D							
shell code	D100	D130	D165	D185	D210	D245	D290
Capacitor body length x width	173×59						
Capacitance body height (H)100							
	130	165	185	210	245	290	
Maximum height	140	170	205	225	250	285	330
Mounting hole size	See the attached diagram						



type M			
shell code	M210	M265	M320
Capacitor body length x width	170×87		
Capacitance body height (H)	210	265	320
Maximum height	250	305	360
Mounting hole size	See the attached diagram		

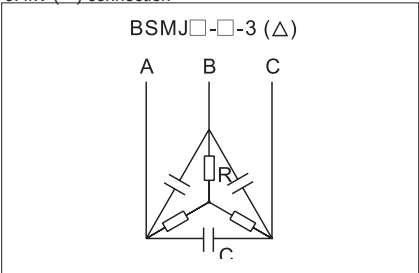


type Q		
shell code	Q210	Q240
Capacitor body length x width	300×120	
Capacitance body height (H)	210	240
Maximum height	255	285
Mounting hole size	See the attached diagram	



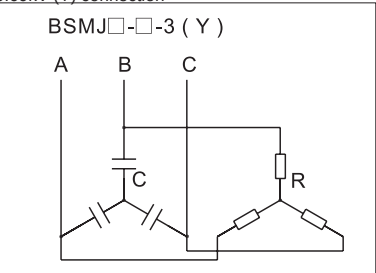
Wiring diagram

Three-phase rated voltage 0.525, 0.45, 0.4kV (Δ) connection



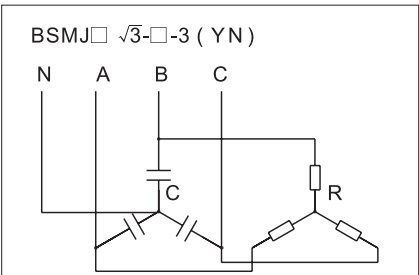
Note: This wiring diagram is generally used in power grids with more balanced currents.

Three-phase rated voltage above 0.69kV (Y) connection



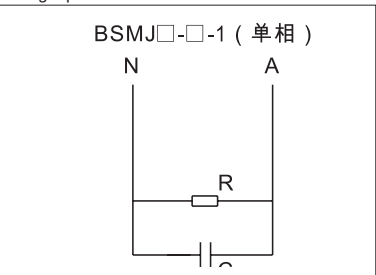
Note: The wiring diagram is mainly used to reduce the field strength.

Three phase four wire connection (YN)



Note: The wiring diagram is mainly used for unbalanced power grids.

Single phase connection



Note: The wiring diagram is mainly used for single-phase or three-phase power supply not stable system.