BSMJ(MKP) 自愈式圆柱型电容器

BSMJ(MKP) Cylindrical Low-Voltage Self-Healing Mmk Power



概述 General description

BSMJ(MKP) 系列圆柱形低压自愈式电力电容器，主要用于50/60Hz 电力系统中，以改善电网质量、提高功率因数，降低线路损耗。

BSMJ(MKP) cylindrical low-voltage self-healing power capacitor is mainly used in the power system of 50/60Hz to improve the quality of power grid, enhance the power factor and reduce the line loss.

特点 Features

- 电容器内充特殊的保护介质，不泄露、安全环保；避免环境污染。
- 优良的自愈性能，当过电压所造成的介质局部击穿能迅速自我修复，恢复正常工作。
- 产品过压拉断可防止电容器在邻近寿命服务期限引发的事故。
- 新型、安全、可靠的接线端子可以更方便地连接，隐藏式设计，防止意外触摸，结构独特。
- The capacitor is filled with special protective dielectric, which doesn’t leak and is environmental friendly to avoid the pollution.
- Excellent self-healing property makes the capacitor self-repair quickly and restart to work in case that part of the dielectric caused by over voltage breaks down.
- Over-voltage snap can prevent the capacitor from accidents at the end of service life.
- New, safe and reliable terminal can be connected conveniently, which adopts hidden design so as to prevent accidental touch and it also has a unique structure.

型号及其含义 Model and implication

B S MJ (MKP) 0.45 – 15 – 3

① ② ③ ④ ⑤ ⑥ ⑦

序号 No.	含义 Implication
①	表示并联 Indicating parallel connection
②	S– 石蜡浸渍 S –Paraffin wax soaked
	G– 硅油浸渍 G–siliconO” soaked
	C– 植物油浸渍 C –Vegetable
	K– 树脂灌封，气体介质 K –Resinsoaked gas
③	金属化聚丙烯膜 Metallinel polyprok glene film
④	圆柱形 Cylindrical
⑤	额定电压 (kv) Rated voltage kv
⑥	额定容量 (kvar) Rated capacifance kvar
⑦	相数（三相）phase(Three)

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技术指标 Main techniqueindessign

- 额定电压 Rated voltage：230 ~ 900V/AC，常规低压 conventional Low pressure 230，250，280，400，440，450，480，525，690V。
- 额定容量 Rated capacity：3 ~ 40kvar
- 电容偏差 Capacitance deviation：−3 ~ +5%。

三相电容器任意两线路端子间测得的电容最大值与最小值之比不大于 1.08。

Capacitance tolerance: the ratio between maximum value and minimum value of capacitance which are measured at any two terminals of the three-phase capacitor should be no more than 1.08.

- 损耗角正切值 Loss angle tangent: tan δ ⩽ 0.2%。
- 产品执行标准 Executive standard: GB/T12747；IEC60831

产品规格参数及外形尺寸 Mainfeatures & outline dimension

450V、50Hz 电容器，适用于负载较大的无功补偿系统 450V, 50Hz capacitor, suitable for large load of reactive power compensation system

电容器型号 Capacitor model	额定容量 Rated capacity (kvar)	额定电容 Rated capacity (μF)	额定电流 Rated current (A)	电容器外形尺寸 (mm) Capacitor appearance size (mm)				
				DΦ	高 H	高 H1	高 H2	M
BSMJ0.45-2.5-3	2.5	39.2	3.2	76 ± 1	180	215	230	12
BSMJ0.45-5-3	5	78.5	6.4	76 ± 1	180	215	230	12
BSMJ0.45-7.5-3	7.5	117.8	9.6	86 ± 1	180	215	230	12
BSMJ0.45-10-3	10	157	12.8	86 ± 1	210	275	260	12
BSMJ0.45-12.5-3	12.5	196.2	16	86 ± 1	240	275	290	12
BSMJ0.45-15-3	15	236	19.2	96 ± 1	240	275	290	12
BSMJ0.45-16-3	16	252	20.5	96 ± 1	240	275	290	12
BSMJ0.45-20-3	20	324	25.7	106 ± 1	240	275	290	16
BSMJ0.45-25-3	25	393	32.1	106 ± 1	290	325	350	16
BSMJ0.45-30-3	30	471	38.5	116 ± 1	290	325	350	16
BSMJ0.45-40-3	40	628	51.3	136 ± 1	290	325	350	16

480V、50Hz 电容器，适用于 7% 的去谐滤波无功补偿系统

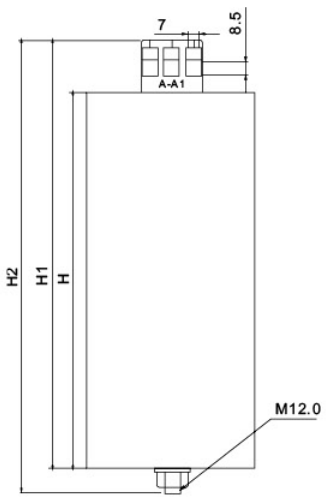
480V, 50 Hz capacitor applies to 7% of the detuning filtering reactive power compensation system

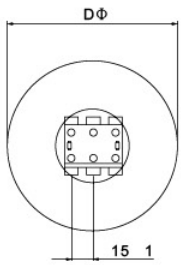
电容器型号 Capacitor model	额定容量 Rated capacity (kvar)	额定电容 Rated capacity (μF)	额定电流 Rated current (A)	电容器外形尺寸 (mm) Capacitor appearance size (mm)				
				DΦ	高 H	高 H1	高 H2	M
BSMJ0.48-3-3	3	41.5	3.6	76 ± 1	180	215	230	12
BSMJ0.48-5-3	5	69.1	6.0	76 ± 1	180	275	290	12
BSMJ0.48-8-3	8	110.6	9.6	76 ± 1	180	275	290	12
BSMJ0.48-10-3	10	138.2	12.1	86 ± 1	210	275	290	12
BSMJ0.48-15-3	15	207.4	18.0	96 ± 1	240	275	290	12
BSMJ0.48-20-3	20	276.5	24.1	106 ± 1	240	275	290	16
BSMJ0.48-25-3	25	345.6	30.1	106 ± 1	290	325	350	16
BSMJ0.48-30-3	30	414.7	36.1	116 ± 1	290	325	350	16
BSMJ0.48-40-3	40	552.9	48.1	136 ± 1	290	325	350	16

525V、50HZ 电容器，适用于 14% 的去谐滤波无功补偿系统
525V, 50 Hz capacitor applies to 14% of the detuning filtering reactive power compensation system

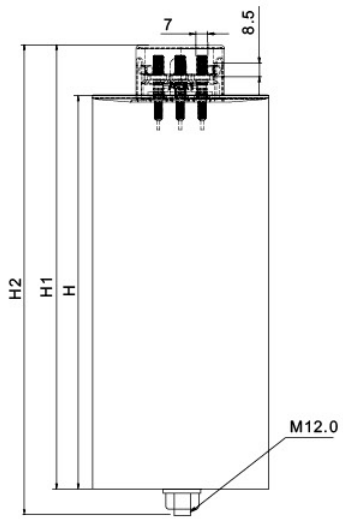
电容器型号 Capacitor model	额定容量 Rated capacity (kvar)	额定电容 Rated capacity (μF)	额定电流 Rated current (A)	电容器外形尺寸 (mm) Capacitor appearance size (mm)				
				DΦ	高 H	高 H1	高 H2	M
BSMJ0.525–3–3	3	34.7	3.3	76 ± 1	180	215	230	12
BSMJ0.525–5–3	5	57.8	5.5	76 ± 1	180	275	290	12
BSMJ0.525–8–3	8	92.5	8.8	76 ± 1	180	275	290	12
BSMJ0.525–10–3	10	115.5	11.0	86 ± 1	210	275	290	12
BSMJ0.525–15–3	15	173.3	16.5	96 ± 1	240	275	300	12
BSMJ0.525–20–3	20	231.1	22.0	106 ± 1	240	275	300	16
BSMJ0.525–25–3	25	288.9	27.5	106 ± 1	290	325	350	16
BSMJ0.525–30–3	30	346.6	33.0	116 ± 1	290	325	350	16

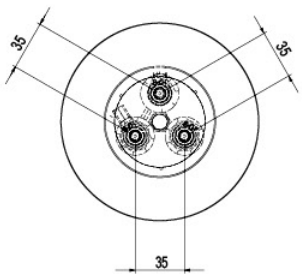
外形尺寸 Overall dimension





欧版
European version





国内版
Domestic version