

SELF-HEALING LOW VOLTAGE SHUNT POWER CAPACITOR

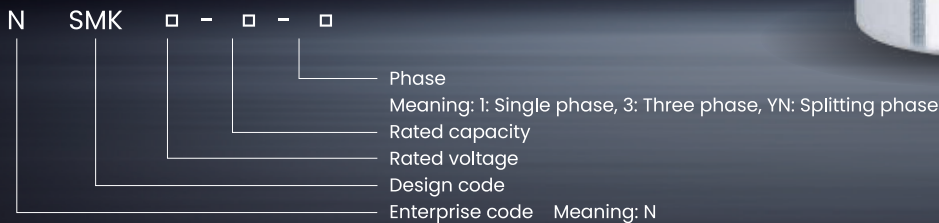
Feature

- ⊙ Advanced imported production equipment and excellent imported PP film.
- ⊙ The product has a smaller volume and more reliable quality.
- ⊙ Unique design ensure that the product can adapt to higher environments.
- ⊙ Places with signifi cant temperature and system voltage fluctuations.
- ⊙ New type of aluminum shell packaging, with better product sealing and no leakage.
- ⊙ Newly designed installation feet, sturdy and convenient.
- ⊙ Unique lead out terminals, convenient wiring, reliable and safe connection.
- ⊙ The corrosion-resistant metal shell is sturdy, and no need to painting.

Overview

The NSMK series self-healing low voltage parallel power capacitors are suitable for power frequency AC power systems with rated voltage of 1000V and below, used to improve power factor and voltage quality.

Model and Meaning



NSMK Series

Self-Healing Low Voltage Shunt Power Capacitor



Technical Parameters

Normal working and installation conditions	
Ambient temperature	-25°C ~+50°C
Relative humidity	Relative humidity ≤ 50% at 40°C ; ≤ 90% at 20°C
Altitude	≤ 2000m
Environmental conditions	It is free of harmful gases and vapors, conductive or explosive dust, and there is no severe mechanical vibration. It should be ensured to work under good ventilation conditions, and it is not allowed to work in a closed and non ventilated environment
Performance	
Rated voltage	(0.25~0.69)kV, AC
Rated frequency	50Hz or 60Hz
Rated capacity	(1~40)kvar
Capacity tolerance	-5%~+10%
AC withstand voltage	Withstand voltage between terminals: 2.15Un/AC is applied between the capacitor terminals for 10 seconds, and there should be no permanent breakdown or fl ashover Withstand voltage between terminals and shell: 3.5kV/AC is applied between the capacitor terminals and the shell for 10 seconds, and there should be no permanent breakdown or fl ashover
Loss tangent	≤ 0.001 under rated power frequency voltage at 20°C
Maximum allowable overvoltage	1.1Un; <8h per 24h
Maximum allowable overcurrent	1.3 In
Self-discharge characteristics	Applying a DC voltage of 2Un to the capacitor,afte disconnecting the power supply for 3 mins, the remaining voltage drops below 75V or lower

Main Product Models, Specifications, And Data Sheets

NSMK-0.25 Single phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μF)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ×H(mm))	Installation screw size	Figure No.
0.25-2.5-1	250	2.5	127.3	10	50	76×240	ΦM12×16	Figure 1
0.25-5-1	250	5	254.6	20	50	76×240	ΦM12×16	
0.25-7.5-1	250	7.5	382	30	50	86×240	ΦM12×16	
0.25-10-1	250	10	509.3	40	50	86×290	ΦM16×25	Figure 2
0.25-12.5-1	250	12	611.2	48	50	86×290	ΦM16×25	
0.25-15-1	250	15	763.9	60	50	96×290	ΦM16×25	
0.25-20-1	250	20	1018.6	80	50	106×290	ΦM16×25	

NSMK-0.4 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μF)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ×H(mm))	Installation screw size	Figure No.
0.4-2.5-3	400	2.5	49.7	3.6	50	76×240	ΦM12×16	Figure 3
0.4-5-3	400	5	99.5	7.2	50	76×240	ΦM12×16	
0.4-7.5-3	400	7.5	149.2	10.8	50	76×240	ΦM12×16	
0.4-10-3	400	10	198.9	14.4	50	86×240	ΦM12×16	
0.4-12.5-3	400	12.5	248.7	18	50	96×240	ΦM16×25	Figure 4
0.4-15-3	400	15	298.4	21.7	50	96×240	ΦM16×25	
0.4-20-3	400	20	397.9	28.9	50	106×290	ΦM16×25	
0.4-25-3	400	25	497.4	36.1	50	116×290	ΦM16×25	
0.4-30-3	400	30	596.8	43.3	50	136×290	ΦM16×25	
0.4-35-3	400	35	696.3	50.5	50	136×290	ΦM16×25	
0.4-40-3	400	40	795.8	57.7	50	136×290	ΦM16×25	

Main Product Models, Specifications, And Data Sheets

NSMK-0.44 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μ F)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ ×H(mm))	Installation screw size	Figure No.
0.44-2.5-3	440	2.5	41.1	3.3	50	76×240	Φ M12×16	Figure 3
0.44-5-3	440	5	82.2	6.6	50	76×240	Φ M12×16	
0.44-7.5-3	440	7.5	123.3	9.8	50	76×240	Φ M12×16	
0.44-10-3	440	10	164.4	13.1	50	76×240	Φ M12×16	
0.44-12.5-3	440	12.5	205.5	16.4	50	86×240	Φ M12×16	
0.44-15-3	440	15	246.6	19.7	50	96×240	Φ M16×25	Figure 4
0.44-20-3	440	20	328.8	26.2	50	106×290	Φ M16×25	
0.44-25-3	440	25	411	32.8	50	106×290	Φ M16×25	
0.44-30-3	440	30	493.2	39.4	50	116×290	Φ M16×25	
0.44-35-3	440	35	575.5	45.9	50	116×290	Φ M16×25	
0.44-40-3	440	40	657.7	52.5	50	136×290	Φ M16×25	

NSMK-0.45 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μ F)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ ×H(mm))	Installation screw size	Figure No.
0.45-2.5-3	450	2.5	39.3	3.2	50	76×240	Φ M12×16	Figure 3
0.45-5-3	450	5	78.6	6.4	50	76×240	Φ M12×16	
0.45-7.5-3	450	7.5	117.9	9.6	50	76×240	Φ M12×16	
0.45-10-3	450	10	157.2	12.8	50	76×240	Φ M12×16	
0.45-12.5-3	450	12.5	196.5	16	50	86×240	Φ M12×16	
0.45-15-3	450	15	235.8	19.2	50	86×290	Φ M12×16	Figure 4
0.45-20-3	450	20	314.4	25.7	50	96×290	Φ M16×25	
0.45-25-3	450	25	393	32.1	50	106×290	Φ M16×25	
0.45-30-3	450	30	471.6	38.5	50	116×290	Φ M16×25	
0.45-35-3	450	35	550.2	44.9	50	116×290	Φ M16×25	
0.45-40-3	450	40	628.8	51.3	50	136×290	Φ M16×25	

NSMK-0.48 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μ F)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ ×H(mm))	Installation screw size	Figure No.
0.48-2.5-3	480	2.5	34.5	3	50	76×240	Φ M12×16	Figure 3
0.48-5-3	480	5	69.1	6	50	76×240	Φ M12×16	
0.48-7.5-3	480	7.5	103.6	9	50	76×240	Φ M12×16	
0.48-10-3	480	10	138.2	12	50	76×240	Φ M12×16	
0.48-12.5-3	480	12.5	172.7	15	50	86×240	Φ M12×16	
0.48-15-3	480	15	207.2	18	50	86×240	Φ M12×16	Figure 4
0.48-20-3	480	20	276.3	24	50	86×290	Φ M16×25	
0.48-25-3	480	25	345.4	30	50	96×290	Φ M16×25	
0.48-30-3	480	30	414.5	36.1	50	106×290	Φ M16×25	
0.48-35-3	480	35	483.5	42.1	50	106×290	Φ M16×25	
0.48-40-3	480	40	552.6	48.1	50	116×290	Φ M16×25	

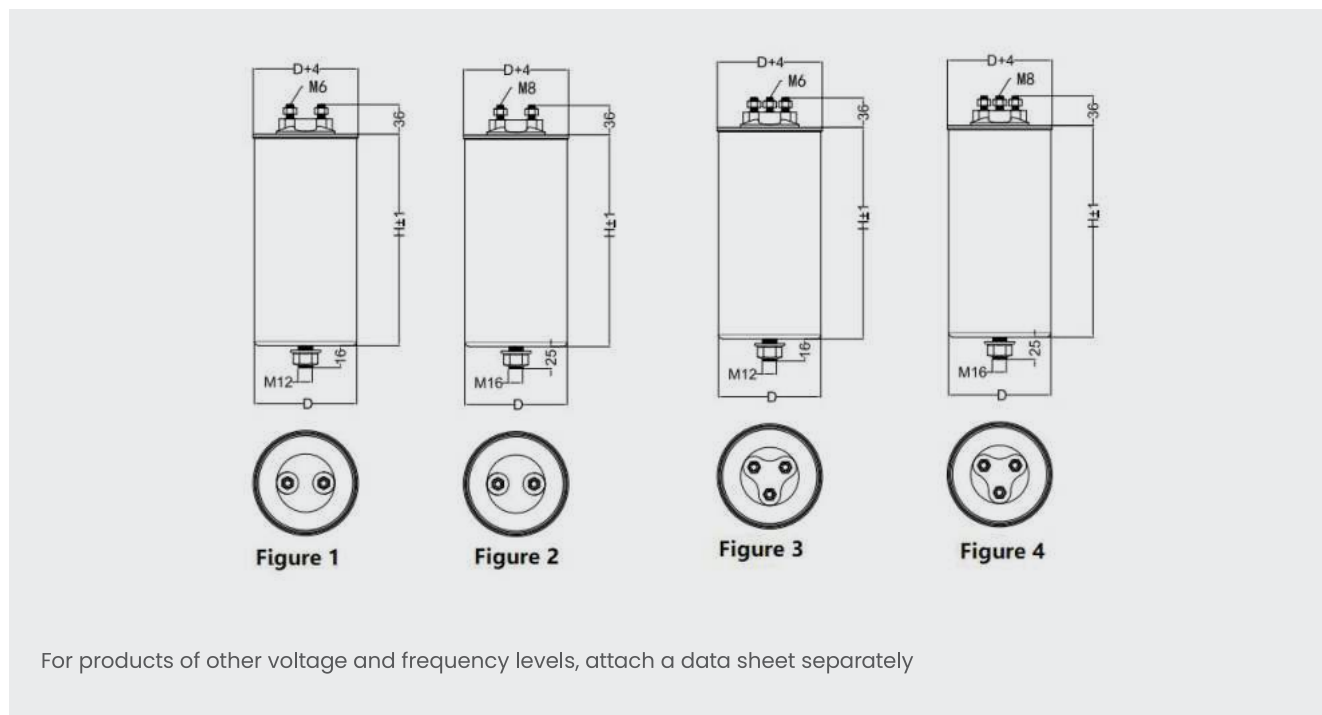
NSMK-0.525 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μ F)	Rated current (A)	Rated frequency (Hz)	Dimension (Φ ×H(mm))	Installation screw size	Figure No.
0.525-2.5-3	525	2.5	28.9	2.7	50	76×240	Φ M12×16	Figure 3
0.525-5-3	525	5	57.7	5.5	50	76×240	Φ M12×16	
0.525-7.5-3	525	7.5	86.6	8.2	50	76×240	Φ M12×16	
0.525-10-3	525	10	115.5	11	50	76×240	Φ M12×16	
0.525-12.5-3	525	12.5	144.4	13.7	50	86×240	Φ M12×16	
0.525-15-3	525	15	173.2	16.5	50	86×290	Φ M12×16	Figure 4
0.525-20-3	525	20	231	22	50	96×290	Φ M16×25	
0.525-25-3	525	25	288.7	27.5	50	106×290	Φ M16×25	
0.525-30-3	525	30	346.5	33	50	116×290	Φ M16×25	
0.525-35-3	525	35	404.2	38.5	50	116×290	Φ M16×25	
0.525-40-3	525	40	462	44	50	136×290	Φ M16×25	

NSMK Series Self-Healing Low Voltage Shunt Power Capacitor

NSMK-0.69 Three phase

Model No. NSMK	Rated voltage (V)	Rated capacity (kvar)	Rated capacity (μF)	Rated current (A)	Rated frequency (Hz)	Dimension ($\Phi \times H$ (mm))	Installation screw size	Figure No.
0.69-2.5-3	690	2.5	16.7	2	50	76×240	Φ M12×16	Figure 3
0.69-5-3	690	5	33.4	4.2	50	76×240	Φ M12×16	
0.69-7.5-3	690	7.5	50.1	6.3	50	76×240	Φ M12×16	
0.69-10-3	690	10	66.9	8.4	50	76×240	Φ M12×16	
0.69-12.5-3	690	12.5	83.6	10.5	50	86×240	Φ M12×16	
0.69-15-3	690	15	100.3	12.6	50	86×290	Φ M12×16	
0.69-20-3	690	20	133.7	16.7	50	96×290	Φ M16×25	Figure 4
0.69-25-3	690	25	167.1	20.9	50	106×290	Φ M16×25	
0.69-30-3	690	30	200.6	25.1	50	116×290	Φ M16×25	
0.69-35-3	690	35	234	29.3	50	116×290	Φ M16×25	
0.69-40-3	690	40	267.4	33.5	50	136×290	Φ M16×25	



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