

## MKP-AC-Filter Capacitors, Self-healing, Dry

**PART NO.** PhMKPg 440-1248uF/3  
**ART. NO.** 44534  
**RATINGS**

Capacitance/Tolerance	Cn	3 * 416uF ± 5%
Rated power	Qn	76kvar
Rated voltage	Un	440Vrms

**OVERVOLTAGES ACCORDING IEC 60871-1 60831-1**

1.1 x Un	U1	484V (12 Std/Tag)
1.15 x Un	U2	506V (30min/Tag)
1.2 x Un	U3	528V (5min/Tag)
1.3 x Un	U4	572V (1min/Tag)

Rated frequency	fn	50Hz
Rated current	In	3* 123A
Peak current	Is	3* 6000A
Capacitance terminal / casing		10nF

Self inductance	Ls	app. 0.5uH
Series resistance	RESR	< 2.0mΩ
Loss factor 50 Hz	tan	< 5 x 10 <sup>-4</sup>
Dielectric loss factor 50 Hz	tan	< 2 x 10 <sup>-4</sup>

**ROUTINE TESTS**

Test voltage terminal/terminal	Ut/	946V, AC, 10s
Test voltage terminal/casing	UT/c	6000V, AC, 60s

Measurement of capacitance  
 Measurement of loss factor

**OPERATING TEMPERATURE**

Minimum ambient temperature	Tmin	- 40°C
Maximum ambient temperature	Tmax	+ 70°C

**STORAGE TEMPERATURE**

Minimum temperature	Tmin	- 40°C
Maximum temperature	Tmax	+ 85°C

**TECHNOLOGY**

Dielectric	Polypropylene film, metallized, self-healing
Filling material	resin, polyurethane <b>dry</b>
Safety system	overpressure monitoring device

**BUSHING**

Type	D-197
Flash over distance	47mm
Creepage distance	90mm
Connection	M 12
Max. torque	20.0Nm

**CASING**

Dimensions:	345 x 135 x 220mm
Drawing:	07-B-849
Weight:	15kg
Case material:	stainless steel, antimagnetic
Paint:	RAL 7033
Mounting position:	All

**LIFE TIME** > 200000h at 60°C 300 FIT

**FAILURE RATE**

**SPECIFICATION:** IEC 60831-1

**DIMENSIONS**

