

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

PART NO. PhMKPg 690-1600uF
ART. NO. 44503

RATINGS

Capacitance/Tolerance	Cn	1600uF ± 5%
Rated power	Qn	404kvar
Rated voltage	Un	690Vrms

OVERVOLTAGES ACCORDING IEC 60831-1

1.1 x Un	U1	759V (12 Std/day)
1.15 x Un	U2	794V (30min/day)
1.2 x Un	U3	828V (5min/day)
1.3 x Un	U4	897V (1min/day)

Rated frequency	fn	50Hz
Rated current	In	350A
Peak current	Is	25kA
Capacitance terminal / casing		10nF
Self inductance	Ls	app. 0.5uH
Series resistance	RESR	< 2.0mΩ
Loss factor 50 Hz	tan	< 5 x 10 ⁻⁴
Dielectric loss factor 50 Hz	tan	< 2 x 10 ⁻⁴

ROUTINE TESTS

Test voltage terminal/terminal	Ut/	1484V, 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	+ 60°C

STORAGE TEMPERATURE

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

TECHNOLOGY

Dielectric	Polypropylene film, metallized, self-healing
Filling material	resin, polyurethane dry
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*175*480mm
Drawing	07-B-556
Weight	38kg
Casing material	stainless steel, antimagnetic
Colour	RAL 7033
Mounting position	every position

LIFE TIME FAILURE RATE > 200000h at 60°C 300 FIT

RECOMMENDATION IEC 60831-1

DIMENSIONS

