

Three-phase cylindrical capacitors Nitrogen (N2) Gas filled

MKP **g**

	24h	8h	30m	15m	5m	1m	Peak
Vmax	440	510	520		530	575	1350
	480	530	555		580	625	1450
Imax	3In		4In	5In			10 In

Rated voltage	400 ÷ 480 V
Frequency	50 Hz
Capacitors Voltage	MKPG440, 440 V MKPG480, 480 V
Capacitors Voltage max	MKPG440, 485 V MKPG480, 530 V
THDi max	≤ 25 %
Power at 400 V	da 2,5 a 25 kvar
Power at 480 V	Da 4,18 a 33,3 kvar
Capacitance tolerance	-5...+10 %
Power dissipation	0,25 W/kVA _r
UTT	1035 V rms / 2 sec.
UTC	3,6 kV rms / 2 sec.
Protection Degree	IP20
Humidity class	C
Temperature class	-50°C / D
Expected life	>150.000 hours
Installation	Vertical and Horizontal
Reference standards	IEC60831/1-2



Construction features

Self-healing metallized polypropylene film.

Housing in cylindrical aluminum box, hermetically sealed. Overpressure safety device. IP20 terminals with terminal board.

The gas insulation, thanks to the characteristics of the Nitrogen (N₂), a "free humidity Gas" (dry type) exacerbates any possible infiltration of air inside the cylinder which, following an electrical discharge, would cause the fault of Capacitor.

Furthermore, Nitrogen is a non-flammable gas and therefore the use of this type, even in case of breakage, would not result in a fire risk.

Code	kvar					Capacitance (µf)	Discharge res.	Dim. (mm)	pcs/box*
	400	415	440	460	480				
MKPG2.5400	2,5	2,675	3,025			3x16,7	Included	50x176	10
MKPG5400	5	5,35	6,05			3x34	Included	75x180	5
MKPG10400	10	10,7	12,1			3x68	Included	77x268	5
MKPG12.5400	12,5	13,375	15,125			3x82	Included	77x270	5
MKPG25400	25	26,75	30,25			3x166	RSL/1	98x310	3
MKPG4.12480	2,84	3,05	3,46	3,75	4,12	3x19,5	Included	67x180	10
MKPG8.33	5,69	6,11	6,93	7,51	8,25	3x38	Included	75x255	5
MKPG16.5480	11,39	12,21	13,86	15,02	16,50	3x77	RSL/1	85x255	5
MKPG33480	22,77	24,42	27,72	30,03	33,00	3x154	RSL/1	116x262	3

Rated voltage	400 ÷ 480 V
Rated Frequency	50 Hz
Rated Voltage of Capacitors	MKPR440, 440 V MKPR460, 480 V
THDi max	≤ 15 % / ≤ 19 %
Power at 400 V	from 2,5 to 25 kvar
Capacitance tolerance	-5...+10 %
Power dissipation	0,25 W/kVAr
UTT	1035 V rms / 2 sec.
UTC	3,6 kV rms / 2 sec.
Protection Degree	IP20
Humidity class	C
Temperature class	-50°C / C
Expected life	> 85.000 hours
Installation	Vertical
Reference standards	IEC60831/1-2

	24h	8h	30m	15m	5m	1m	Peak
Vmax	440	510	520		530	575	1350
	460	520	535		555	600	1410
	480	530	555		580	625	1450
I_{max}	2In		3In	4In			10 In



MKPR Three-phase

Code	kvar						Capacitance (µf)	Discharge resistors	Dim. (mm)	pcs/box*
	400	415	440	460	480	525				
MKPR2.5400	2,5	2,675	3,025				3x16,7	RES01	50x171	21
MKPR5400	5	5,35	6,05				3x34	RES01	75x175	8
MKPR10400	10	10,7	12,1				3x68	RES01	75x235	10
MKPR12.5400	12,5	13,375	15,125				3x82	Included	75x265	5
MKPR25400	25	26,75	30,25				3x166	RSL/1	95x315	3

MKP Single-phase

Code	kvar			Capacitance (µf)	Discharge resistors	Dim. (mm) (WxHxD)	pcs/box*
	230 V	400 V	460 V				
MKP0.87400	0,29	0,87		18	Included	40x92	36
MKP1.67400	0,55	1,67		33	Included	40x155	36
MKP3.33400	1,1	3,33		66	Included	55x165	21
MKP5.13460	1,28	3,85	5,13	77	Included	60x171	18