


12.5 kVAr

Three-phase cylindrical capacitors Nitrogen (N₂) Gas filled

Code	MKPG12.5400
Rated Voltage	400 ÷ 440 V
Rated Frequency	50 Hz
Capacitors Voltage	440 V
Capacitors Voltage max 8h/day	485 V
THDi max	≤ 25 %
THDc	80 %
Power @ 400 V	12.5 kvar
Power @ 415 V	13.4 kvar
Power @ 440 V	15.125 kvar
Capacitance	3x82 uF
Capacitance tolerance	-5...+10 %
Power dissipation	0,25 W/kVAr
U_{TT}	1035 V rms / 2 sec.
U_{TC}	3,6 kV rms / 2 sec.
Protection Degree	IP20
Humidity class	C
Temperature class	-50/C
Reference standards	IEC60831-1/2, VDE0560-46/47 UL N.810 CSA C22 N.2

	24h	8h	30m	15m	5m	1m	Peak
V_{max}	440	510	520	51n	530	575	1350
I_{max}	3In		4In				10 In



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.

Expected life	>150.000 ore
Installation	Horizontal / Vertical
Dimensions (WxH)	75*245
D1	75 ± 1 mm
D2	79.3 ± 0.5 mm
L1	245 ± 2
L2	25 + 5 -2 mm
LB	16 + 1 mm
GB	M12
a	35.5 ± 1 mm
b	40 ± 1 mm
Weight	1,0 Kg

