

# MKPG

## || 5 kVAr

### Three-phase cylindrical capacitors Nitrogen (N<sub>2</sub>) Gas filled

<b>Code</b>	MKPG5400
<b>Rated Voltage</b>	400 ÷ 440 V
<b>Rated Frequency</b>	50 Hz
<b>Capacitors Voltage</b>	440 V
<b>Capacitors Voltage max 8h/day</b>	485 V
<b>THDi max</b>	≤ 25 %
<b>THDc</b>	80 %
<b>Power @ 400 V</b>	5 kvar
<b>Power @ 415 V</b>	5.35 kvar
<b>Power @ 440 V</b>	6.05 kvar
<b>Capacitance</b>	3x33 uF
<b>Capacitance tolerance</b>	-5...+10 %
<b>Power dissipation</b>	0,25 W/kVAr
<b>U<sub>TT</sub></b>	1035 V rms / 2 sec.
<b>U<sub>Tc</sub></b>	3,6 kV rms / 2 sec.
<b>Protection Degree</b>	IP20
<b>Humidity class</b>	C
<b>Temperature class</b>	-50/C
<b>Reference standards</b>	IEC60831-1/2, VDE0560-46/47 UL N.810 CSA C22 N.2

	<b>24h</b>	<b>8h</b>	<b>30m</b>	<b>15m</b>	<b>5m</b>	<b>1m</b>	<b>Peak</b>
<b>V<sub>max</sub></b>	440	510	520	51n	530	575	1350
<b>I<sub>max</sub></b>	3In		4In	5In			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 (N<sub>2</sub>), 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.

<b>Expected life</b>	>150.000 ore
<b>Installation</b>	Horizontal / Vertical
<b>Dimensions (WxH)</b>	75*164
<b>D1</b>	75 ± 1 mm
<b>D2</b>	79.3 ± 0.5 mm
<b>L1</b>	164 ± 2
<b>L2</b>	25 + 5 -2 mm
<b>LB</b>	16 + 1 mm
<b>GB</b>	M12
<b>a</b>	35.5 ± 1 mm
<b>b</b>	40 ± 1 mm
<b>Weight</b>	0,7 Kg

