



40 kVAr

Three-phase cylindrical capacitors Nitrogen (N₂) Gas filled

Code	MKPG40525
Rated Voltage	400 ÷ 525 V
Rated Frequency	50 Hz
Capacitors Voltage	525 V
Capacitors Voltage max 8h/day	580 V
THDi max	≤ 25 %
THDc	80 %
Power @ 400 V	23.22 kvar
Power @ 415 V	25 kvar
Power @ 440 V	28.1 kvar
Power @ 525 V	40 kvar
Capacitance	3x154 µF
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}	525	580	600	600	630	680	1600
I_{max}	3In		4In	5In			10 In



Generalità costruttive

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)	116*230
D1	116 ± 1 mm
D2	120.5 ± 0.5 mm
L1	230 ± 2
L2	32 + 5 / -2 mm
LB	16 + 1 mm
GB	M12
a	44 ± 1 mm
b	42.5 ± 1 mm
Weight	2,3 Kg

