


|| 4.12 kVAr

Three-phase cylindrical capacitors Nitrogen (N₂) Gas filled

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| Code | MKPG4.12480 |
| Rated Voltage | 400 ÷ 480 V |
| Rated Frequency | 50 Hz |
| Capacitors Voltage | 480 V |
| Capacitors Voltage max 8h/day | 530 V |
| THDi max | ≤ 25 % |
| THDc | 80 % |
| Power @ 400 V | 2.8 kvar |
| Power @ 415 V | 3.0 kvar |
| Power @ 440 V | 3.46 kvar |
| Power @ 480 V | 4.12 |
| Capacitance | 3x19.5 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 |

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|------------------------|------------|-----------|------------|------------|-----------|-----------|-------------|
| | 24h | 8h | 30m | 15m | 5m | 1m | Peak |
| V_{max} | 480 | 530 | 555 | 580 | 625 | 1450 | |
| 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.

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|-------------------------|-----------------------|
| Expected life | >150.000 ore |
| Installation | Horizontal / Vertical |
| Dimensions (WxH) | 75*230 |
| D1 | 65 ± 1 mm |
| D2 | 69.7 ± 0.5 mm |
| L1 | 164 ± 2 |
| L2 | 25 + 5 / -2 mm |
| LB | 16 + 1 mm |
| GB | M12 |
| a | 13 mm |
| b | 21 mm |
| Weight | 0,5 Kg |

