

## MKP-DC-Filter Capacitors, Dry, Self-healing, Segmented

**PART NO.** GMKPg 1200-300 IBY  
**ART. NO.** 30489

**BUSHING**  
 Type D-214  
 Flash over distance 11mm  
 Creepage Distance 16mm  
 Connection bolt M 8  
 Max. torque 8Nm

**NOMINAL RATINGS**

Capacitance/Tolerance Cn 300uF ± 5%  
 Rated voltage Un 1200VDC

**OVER VOLTAGES ACCORDING IEC 61071-1**

1.1 x Un U1 1320V (30% of the working time)  
 1.15 x Un U2 1385V (30min/day)  
 1.2 x Un U3 1440V (5min/day)  
 1.3 x Un U4 1560V (1min/day)  
 1.5 x Un U4 1800V (100ms/day)

Voltage rate of rise du/dt 25V/μs  
 Nominal current In 50A  
 Peak current Is 7.5kA  
 Self Inductance Ls < 40nH

Series resistance RESR < 3.0mΩ  
 Loss factor 50Hz tan < 5 x 10<sup>-4</sup>  
 Loss factor diel. 50Hz tan < 2 x 10<sup>-4</sup>

**ROUTINE TESTS**

Test voltage Terminal/Terminal UT/T 1800V, DC, 10s  
 Test voltage Terminal/Casing UT/C 4000V, 50Hz, 60s

Measurement of capacitance  
 Measurement of loss factor

**OPERATING TEMPERATURE**

Minimum ambient temperature Tmin - 40°C  
 Maximum ambient temperature Tmax + 70°C

**STORAGE TEMPERATURE**

Minimum temperature Tmin - 40°C  
 Maximum temperature Tmax + 80°C

**TECHNOLOGY**

Dielectric Polypropylene, self-healing **segmented**  
 Filling material Resin, polyurethane **dry**

**DESIGN DATA**

Dimensions: 84.4 x 190mm  
 Drawing: 20-B-068  
 Weight: 1.00kg  
 Case Material: Aluminum  
 Mounting position: All

**LIFE EXPECTANCY:** > 200000h at 50°C

**FAILURE RATE:** 300 FIT

**SPECIFICATIONS:** IEC 61071-1

**DIMENSIONS**

