



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

**PART NO.** GMKPg 1100-220 IBY  
**ART. NO.** 30496

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

**NOMINAL RATINGS**  
Capacitance/Tolerance Cn 200uF - 2 + 3%  
Rated voltage Un 1100VDC

**OVER VOLTAGES ACCORDING IEC 61071-1**

1.1 x Un	U1	1210V (30% of the working time)
1.15 x Un	U2	1265V (30min/day)
1.2 x Un	U3	1320V (5min/day)
1.3 x Un	U4	1430V (1min/day)
1.5 x Un	U4	1650V (100ms/day)

**DESIGN DATA**  
Dimensions: 84.4 x 130mm  
Drawing: 20-B-068  
Weight: 0.72kg  
Casing Material: Aluminum

Voltage rate of rise	du/dt	25V/μs
Nominal current	In	40A
Peak current	Is	5.5kA
Self Inductance	Ls	< 45nH

Mounting positionS: All

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

Series resistance	RESR	< 3.0mΩ
Loss factor 50Hz	tan	< 3 x 10 <sup>-4</sup>
Loss factor diel. 50Hz	tan	< 2 x 10 <sup>-4</sup>

**FAILURE RATE:** 200 FIT

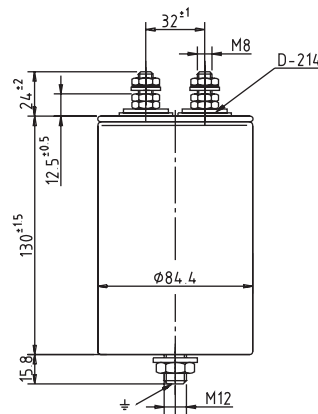
**SPECIFICATIONS:** IEC 61071-1

**ROUTINE TESTS**

Test voltage Terminal/Terminal	UT/T	1650V, DC, 10s
Test voltage Terminal/Casing	UT/C	4000V, 50Hz, 60s

**DIMENSIONS**

Measurement of capacitance  
Measurement of loss factor

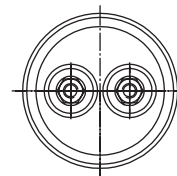


**OPERATING TEMPERATURE**

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



## Disclaimer

All product specifications and data are subject to change without notice.

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