

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

PART NO. GMKPg 900-500 IBY
ART. NO. 44374

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

NOMINAL RATINGS

Capacitance/Tolerance Cn 500uF ± 5%
 Rated voltage Un 900VDC

OVER VOLTAGES ACCORDING IEC 61071-1

1.1 x Un	U1	990V (30% of the working time)
1.15 x Un	U2	1035V (30min/day)
1.2 x Un	U3	1080V (5min/day)
1.3 x Un	U4	1170V (1min/day)
1.5 x Un	U4	1350V (100ms/day)

Voltage rate of rise	du/dt	30V/μs
Nominal current	In	55A
Peak current	Is	15kA
Self Inductance	Ls	< 40nH

Series resistance	RESR	< 2.5mΩ
Loss factor 50Hz	tan	< 5 x 10 ⁻⁴
Loss factor diel. 50Hz	tan	< 2 x 10 ⁻⁴

ROUTINE TESTS

Test voltage Terminal/Terminal	UT/T	1350V, 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
Casing Material:	Aluminum
Mounting positions:	All

LIFE EXPECTANCY: > 200000h at 60°C

FAILURE RATE: 300 FIT

SPECIFICATIONS: IEC 61071-1

DIMENSIONS

