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

PART NO.	**GMKPg 0.9/12.0mF/X**
ART. NO.	**39864**

NOMINAL RATINGS

Capacitance/Tolerance	CN	12000uF ± 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	1090V (5min/day)
1.3 x Un	U4	1170V (1min/day)
1.5 x Un	U4	1350V (100ms/day)

Voltage rate of rise	du/dt	35V/us
Nominal current	IN	300A
Short time current		700A
Peak current	Is	420kA
Self Inductance	Ls	< 40nH

Series resistance	RESR	< 0.8mΩ
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	6000V, 50Hz, 60s

Measurement of capacitance	320V/50Hz
Measurement of loss factor	320V/50Hz

OPERATING TEMPERATURE

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

TECHNOLOGY

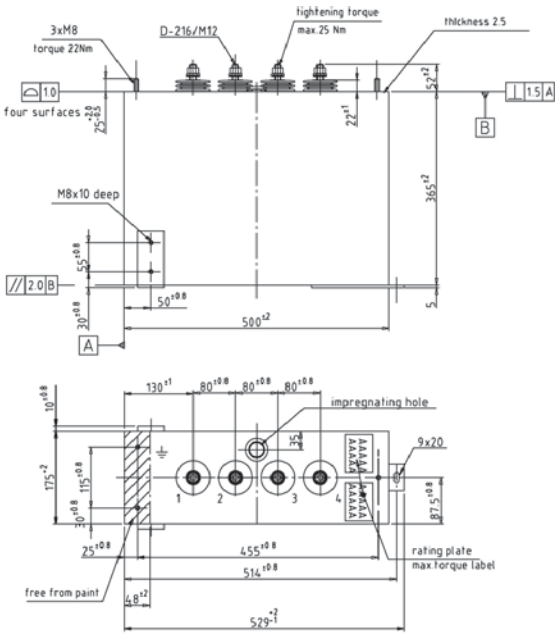
Dielectric	Polypropylene, self-healing **segmented**
Filling material	Resin, polyurethane **dry**

BUSHING

Type	D-216
Flash over distance	38mm
Creepage distance	61mm
Connection	M 12
Max. torque	25Nm

DESIGN DATA

Dimensions:	500 x 175 x 365mm
Drawing:	07-B-778
Weight:	45kg
Material of casing:	Stainless steel, antimagnetic
Paint:	RAL 7033
Mounting position:	All

LIFE EXPECTANCY:	200000h/65°C
FAILURE RATE:	300 FIT
SPECIFICATION:	IEC 61071-1 customer specification

DIMENSIONS