

PhaseCap™ HD

B25669-A4827-J375

MKK440-D-50-21

4RB5 500-5 AB 45

Characteristics

C_N	Δ	3x 274 μ F $\pm$ 5 %	
U_N		AC 440 V	
f_N		50 Hz	60 Hz *)
Q_N		50 kvar	60 kvar*)
I_N		3x 66 A	79 A *)

$\tan\delta_0$ 0,2 W/kvar (dielectric)

*) Temperature class deviation -40/B max. 45°C

Maximum ratings

U_{max}	AC 480 V, 8 h daily
	AC 570 V, 1 min
$I_{r(40)}$	3x 90 A ($\Theta_A = 40^\circ\text{C}$, U_N)
I_s	18 kA
$(du/dt)_{max}$	15 V/ μ s
$(du/dt)_s$	38 V/ μ s

Test data

U_{TT}	AC 950 V, 10 s
U_{TC}	AC 3000 V, 10 s

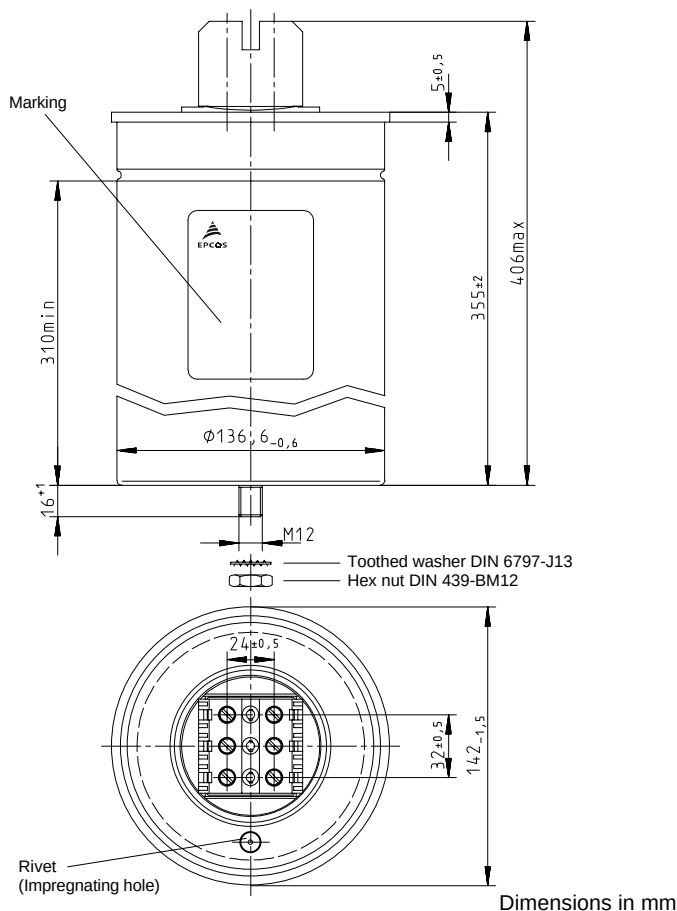
$\tan\delta$ (50 Hz) $\leq$ 0,4 W/kvar (total)

Climatic category -40/D

Θ_{min}	-40 °C
Θ_{max}	+55 °C
Humidity	Max. relative
	Humidity $\leq$ 95 %
Θ_{stg}	-55 bis +70 °C

Life expectancy

t_{LD}	100 000 h
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Design data

Dimensions $\Phi \times l$	142 x 355 mm (5,59 x 13,98 in)
Approx. weight	4,7 kg (10,4 lb)
Impregnation	Gas
Fixing	Threaded bolt M12
Mounting hole	14 mm (0,55 in)
Max. torque	10 Nm
Terminals	Isolated terminal, IP20
Max. torque	2,5 Nm
Terminal cross section	35 mm ² (2 AWG)
Creepage distance	15 mm (0,59 in)
Clearance	12 mm (0,47 in)
Overpressure disconnecter	
Upright mounting position	

Remarks

Natural cooling