



Capacitors for Power Factor Correction

Series/Type: **MKK690-Y-20-01**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B25667A6417A375	B25668A6137A375	2004-07-30	2004-08-31	

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

Characteristics

C_N	Y	3x 139,1 μ F $\pm$ 5 %	
U_N		AC 690 V	
f_N		50 Hz	60 Hz
Q_N		20,8 kvar	25 kvar
I_N		3x 17,5 A	21 A
$\tan\delta_0$		0,2 W/kvar (dielectric)	

Maximum ratings

$U_{\max}$	AC 760 V, 8 h daily AC 900 V, 1 min
$I_{r(40)}$	3x 20 A ($\Theta_A = 40^\circ\text{C}$, U_N)
I_s	4000 A
$(du/dt)_{\max}$	20 V/ μ s
$(du/dt)_s$	50 V/ μ s

Test data

U_{TT}	AC 1500 V, 10 s
U_{TC}	AC 6000 V, 10 s

$\tan\delta$ (50 Hz) $\leq$ 0,6 W/kvar (total)

Climatic category -40/D

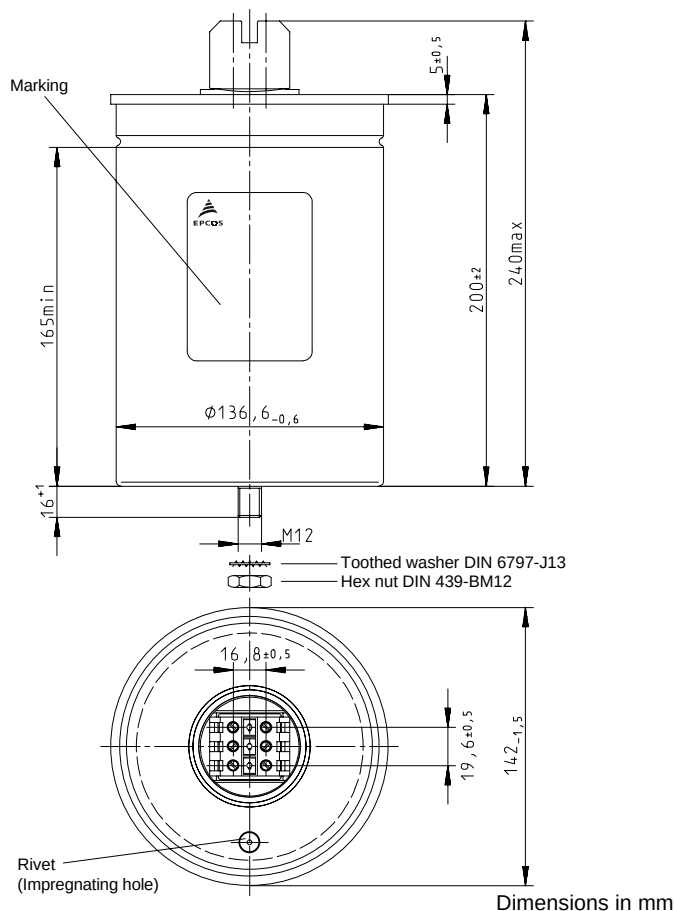
$\Theta_{\min}$	-40 °C
$\Theta_{\max}$	+55 °C
Humidity	Max. relative Humidity $\leq$ 95 %
Θ_{stg}	-55 bis +70 °C

Life expectancy

t_{LD}	100 000 h
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Remarks

Natural cooling



Design data

Dimensions $\phi \times l$	142 x 200 mm (5,59 x 7,87 in)
Approx. weight	2 kg (4,4 lb)
Impregnation	Gas
Fixing	Threaded bolt M12
Mounting hole	14 mm (0,55 in)
Max. torque	10 Nm
Terminals	Isolated terminal, IP20
Max. torque	1,2 Nm
Terminal cross section	16 mm ² (5 AWG)
Creepage distance	12,7 mm (0,50 in)
Clearance	9,6 mm (0,38 in)
Overpressure disconnecter	
Any mounting position possible	