



## Capacitors for Power Electronics

**Series/Type:**        **B25667S**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B25667S4427J375		2004-09-10		

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# PhaseCap™ B25667-S4427-J375 MKK480-D-31-01

## Characteristics

$C_N$	3 x 143 $\mu$ F
Tol.	+ / - 5 %
Connection	D (Delta)
$U_N$	480 Vac
$f_N$	50 Hz
$Q_N$	31 kVAr
$I_N$	37 A
$\tan\delta_o$	0.2 W/kVAr

## Maximum ratings

$U_{MAX}$ (up to 8h daily)	530 Vac
$U_{MAX}$ (up to 1 min)	620 Vac
$I_{MAX}$	1.3 x $I_N$ A
$I_S$	200 x $I_N$ A

## Test data

$U_{TT}$	1050 Vac	50Hz	10s
$U_{TC}$	3000 Vac	50Hz	10s

$\tan\delta$ (50 Hz) $\leq$	0,6 W/kVAr
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## Climatic category -40/B

$T_{min}$	-	40 °C
$T_{max}$	+	45 °C
humidity	av. rel.	< 95 %
max.altitude		4000 m

## Mean life expectancy

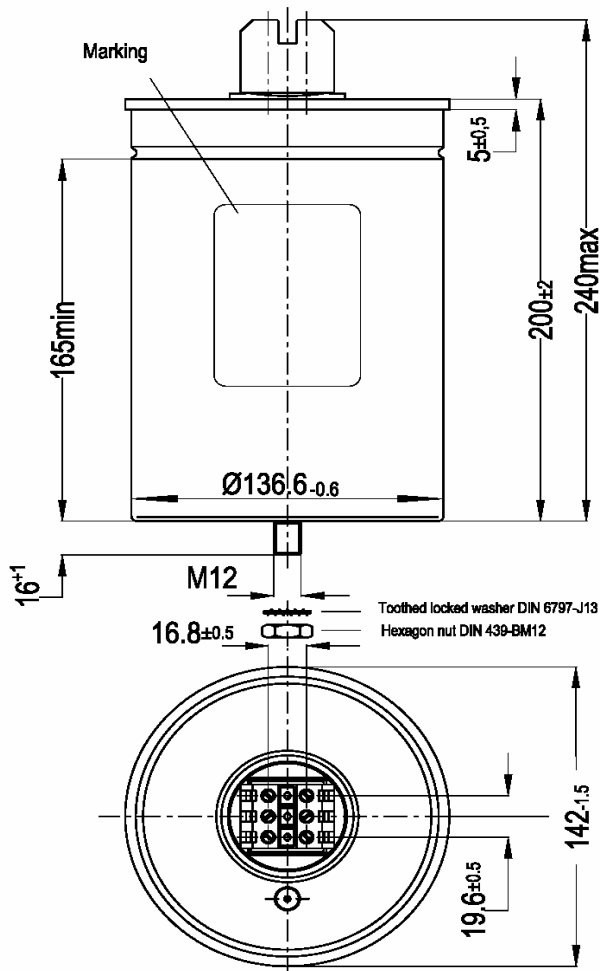
$t_{LD}$	up to 50000 h
5000 switchings per year according to IEC831	

## Reference Standards

IEC 60831-1/2, EN 60831-1/2  
VDE 560-46/47

## Remarks

Natural cooling  
Only for the following application:  
detuned system 400V nominal voltage  
and 14% detuning factor



All dimensions in mm

## Design data

Dimensions ( $\Phi$ x l):	142 x 200 mm
Approximated Weight:	2,4 Kg
Impregnation:	Dry, Inert Gas
Fixing:	Threaded bolt M12
Mounting hole:	14 Nm
Max.Torque (Al can stud):	10 Nm
Terminals:	Isolated terminal, IP20
Max.Torque (Terminals):	1.2 Nm
Terminal cross section:	16mm <sup>2</sup> (5 AWG)
Maximum terminal current:	75 A
Creepage distance:	12.7 mm
Clearance:	9.6 mm
Overpressure disconnector:	(AFC: 10kA)
Any mounting position possible	