

# 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The following products presented in this data sheet are being withdrawn.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<sup>™</sup> B25667-S4427-J375 MKK480-D-31-01

#### Characteristics

$C_N$	3 x 14	.3 µF
Tol.	+/-	5 %
Connection	D (Delta	a)
$U_N$	480	Vac
$f_N$	50	Hz
$Q_N$	31	kVAr
$I_N$	37	Α
$tan\delta_{o}$	0.2	W/kVAr

# **Maximum ratings**

 $\begin{array}{lll} \text{U}_{\text{MAX (up to 8h daily)}} & 530 \text{ Vac} \\ \text{U}_{\text{MAX (up to 1 min)}} & 620 \text{ Vac} \\ \text{I}_{\text{MAX}} & 1.3 \text{ x I}_{\text{N}} \text{ A} \\ \text{I}_{\text{S}} & 200 \text{ x I}_{\text{N}} \text{ A} \end{array}$ 

### Test data

$U_TT$	1050 Vac	50Hz 10s
$U_TC$	3000 Vac	50Hz 10s

 $tan\delta_{(50 \text{ Hz})} \leq 0,6 \text{ W/kVAr}$ 

# Climatic category -40/B

T <sub>min</sub> -	40 °C
T <sub>max</sub> +	45 °C
humidity	av. rel. < 95 %
may altitude	4000 m

### Mean life expectancy

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

# **Reference Standards**

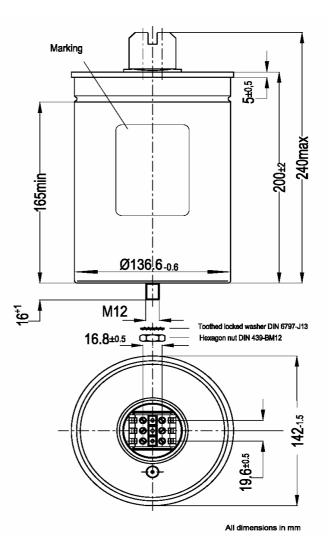
IEC 60831-1/2, EN 60831-1/2 VDE 560-46/47

#### Remarks

Natural cooling

Only for the following application: detuned system 400V nominal voltage

and 14% detuning factor



## Design data

Dimensions ( $\Phi$  x  $\stackrel{\cdot}{l}$ ): 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: 16mm2 (5 AWG)

Maximum terminal current: 75 A

Creepage distance: 12.7 mm
Clearance: 9.6 mm
Overpressure disconnector: (AFC: 10kA)

Any mounting position possible