



## Capacitors for Power Electronics

**Series/Type:**        **B25667A**

The following products presented in this data sheet are being withdrawn.

| Ordering Code   | Substitute Product | Date of Withdrawal | Deadline Last Orders | Last Shipments |
|-----------------|--------------------|--------------------|----------------------|----------------|
| B25667A4866A375 | B25667B4866A375    | 2004-09-10         |                      |                |

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**Characteristics**

|       |          |                           |          |
|-------|----------|---------------------------|----------|
| $C_N$ | $\Delta$ | 3x 28,8 $\mu$ F $\pm$ 5 % |          |
| $U_N$ |          | AC 480 V                  |          |
| $f_N$ |          | 50 Hz                     | 60 Hz    |
| $Q_N$ |          | 6,25 kvar                 | 7,5 kvar |
| $I_N$ |          | 3x 7,5 A                  | 9 A      |

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

**Maximum ratings**

|                  |                                                   |
|------------------|---------------------------------------------------|
| $U_{\max}$       | AC 530 V, 8 h daily<br>AC 620 V, 1 min            |
| $I_{r(40)}$      | 3x 20 A ( $\Theta_A = 40^\circ\text{C}$ , $U_N$ ) |
| $I_s$            | 2000 A                                            |
| $(du/dt)_{\max}$ | 16 V/ $\mu$ s                                     |
| $(du/dt)_s$      | 40 V/ $\mu$ s                                     |

**Test data**

|          |                 |
|----------|-----------------|
| $U_{TT}$ | AC 1050 V, 10 s |
| $U_{TC}$ | AC 3000 V, 10 s |

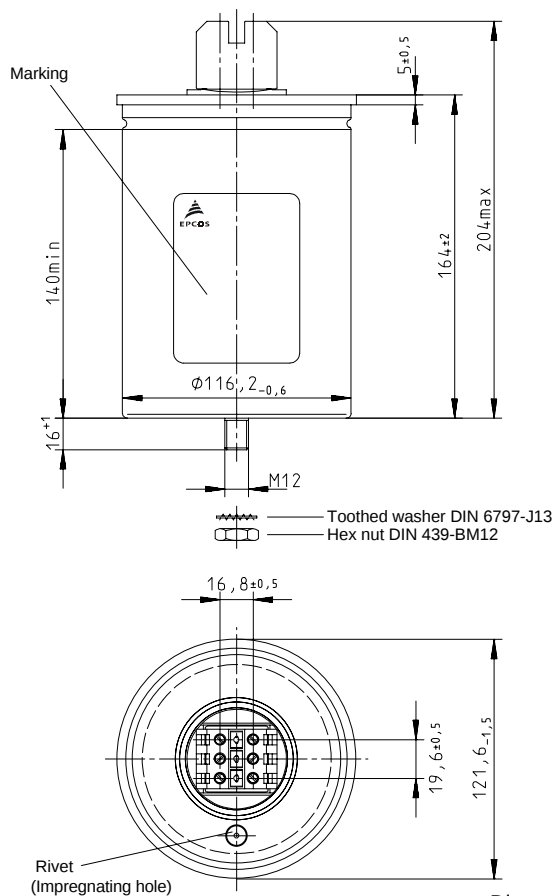
$\tan\delta$  (50 Hz)  $\leq$  0,5 W/kvar (total)

**Climatic category -40/D**

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

**Life expectancy**

|          |           |
|----------|-----------|
| $t_{LD}$ | 100 000 h |
|----------|-----------|



Dimensions in mm

**Design data**

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Dimensions $\varnothing \times l$ | 121,6 x 164 mm (4,79 x 6,46 in) |
| Approx. weight                    | 1,2 kg (2,6 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 <sup>2</sup> (5 AWG)      |
| Creepage distance                 | 12,7 mm (0,50 in)               |
| Clearance                         | 9,6 mm (0,38 in)                |
| Overpressure disconnecter         |                                 |
| Any mounting position possible    |                                 |

**Remarks**

Natural cooling