



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The following products presented in this data sheet are being withdrawn.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 |
|-----------------|--------------------|--------------------|----------------------|----------------|
| B25667A4207A375 | B25667B4207A375 | 2004-09-10 | | |

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 | Δ | 3x 68,5 μ F \pm 5 % | |
| U_N | | AC 440 V | |
| f_N | | 50 Hz | 60 Hz |
| Q_N | | 12,5 kvar | 15 kvar |
| I_N | | 3x 16,4 A | 20 A |
| $\tan \delta_0$ | | 0,2 W/kvar (dielectric) | |

Maximum ratings

| | |
|-----------------|---|
| U_{max} | AC 480 V, 8 h daily |
| | AC 570 V, 1 min |
| $I_r(40)$ | 3x 25 A ($\Theta_A = 40^\circ\text{C}$, U_N) |
| I_s | 4500 A |
| $(du/dt)_{max}$ | 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 0,5 W/kvar (total) |

Climatic category -40/D

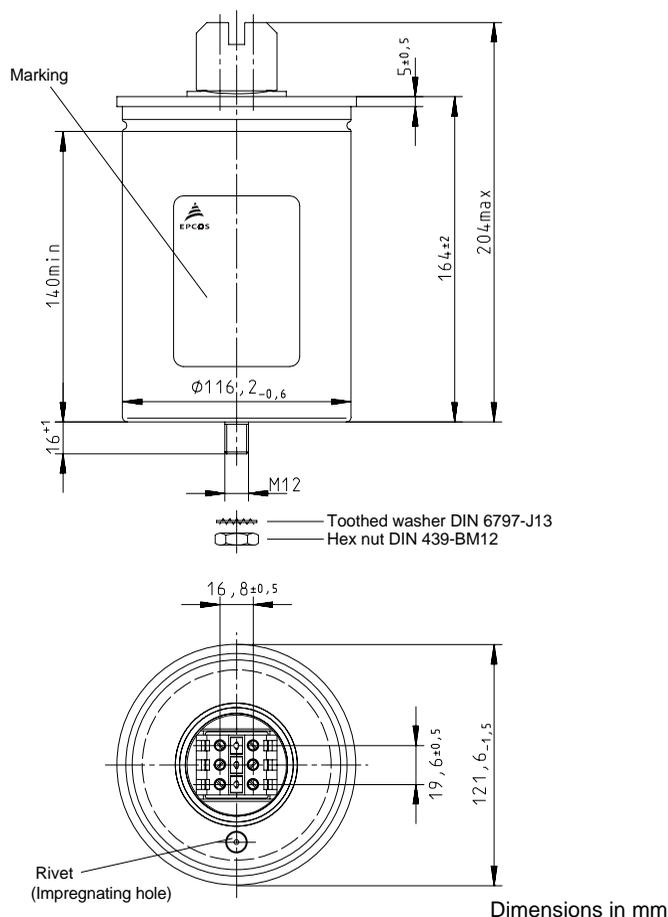
| | |
|----------------|------------------------------------|
| Θ_{min} | -40 °C |
| Θ_{max} | +55 °C |
| Humidity | Max. relative Humidity \leq 95 % |
| Θ_{stg} | -55 bis +70 °C |

Life expectancy

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

Remarks

Natural cooling



Design data

| | |
|--------------------------------|---------------------------------|
| Dimensions \varnothing x l | 121,6 x 164 mm (4,79 x 6,46 in) |
| Approx. weight | 1,4 kg (3,1 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 | |