



## 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The following products presented in this data sheet are being withdrawn.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 |
|-----------------|--------------------|--------------------|----------------------|----------------|
| B25667A5287A375 | B25667B5287A375    | 2004-09-10         |                      |                |

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### Characteristics

|       |          |                                |           |
|-------|----------|--------------------------------|-----------|
| $C_N$ | $\Delta$ | 3x 96,3 $\mu\text{F} \pm 5 \%$ |           |
| $U_N$ |          | AC 525 V                       |           |
| $f_N$ |          | 50 Hz                          | 60 Hz *)  |
| $Q_N$ |          | 25 kvar                        | 30 kvar*) |
| $I_N$ |          | 3x 28 A                        | 34 A *)   |

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

\*) Temperature class deviation -40/B max. 45°C

### Maximum ratings

|                  |                                                   |
|------------------|---------------------------------------------------|
| $U_{\max}$       | AC 580 V, 8 h daily<br>AC 680 V, 1 min            |
| $I_{R(40)}$      | 3x 33 A ( $\Theta_A = 40^\circ\text{C}$ , $U_N$ ) |
| $I_s$            | 6700 A                                            |
| $(du/dt)_{\max}$ | 16 V/ $\mu\text{s}$                               |
| $(du/dt)_s$      | 40 V/ $\mu\text{s}$                               |

### Test data

|          |                 |
|----------|-----------------|
| $U_{TT}$ | AC 1150 V, 10 s |
| $U_{TC}$ | AC 3000 V, 10 s |

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

### Climatic category -40/D

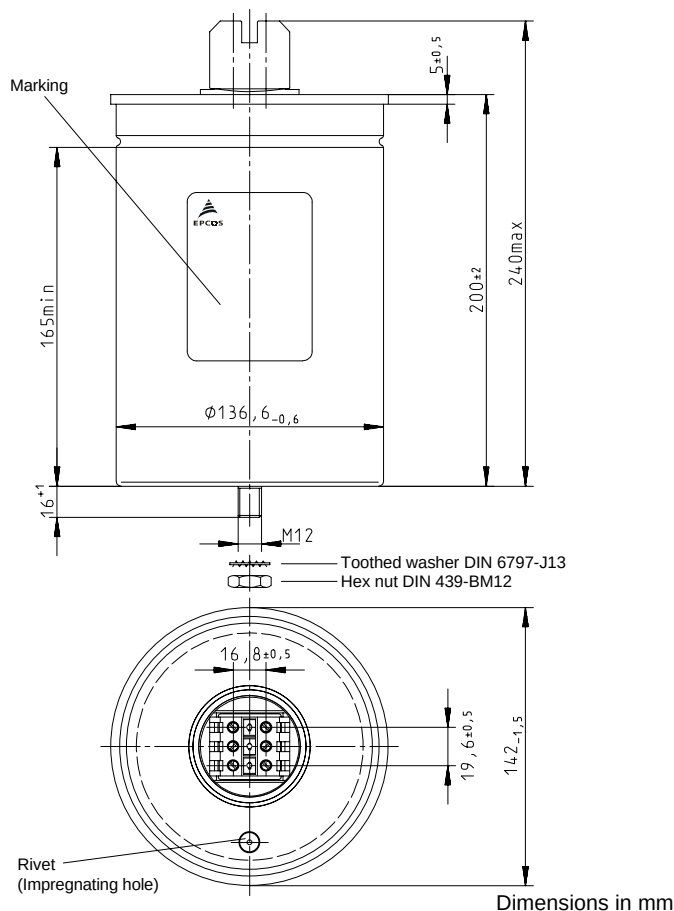
|                 |                                        |
|-----------------|----------------------------------------|
| $\Theta_{\min}$ | -40 °C                                 |
| $\Theta_{\max}$ | +55 °C                                 |
| Humidity        | Max. relative<br>Humidity $\leq 95 \%$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

### Life expectancy

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

### Remarks

Natural cooling



### Design data

|                                |                               |
|--------------------------------|-------------------------------|
| Dimensions $\phi \times l$     | 142 x 200 mm (5,59 x 7,87 in) |
| Approx. weight                 | 2,5 kg (5,5 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 |                               |