

### Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin

### Features

- Self-healing properties
- Low dissipation factor
- High insulation resistance

### Typical applications

For general sine wave applications,  
mainly as motor run capacitor

### Terminals

- B32320: Single Faston 6,3 x 0,8 mm
- B32322: Double Faston 6,3 x 0,8 mm

### Mounting parts

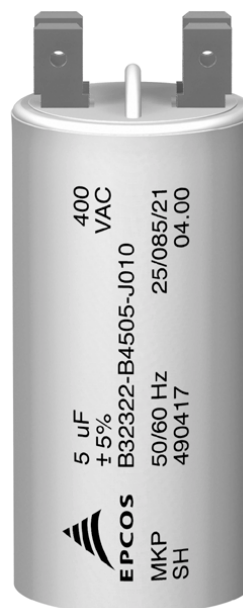
- Metal stud (max. torque = 5 Nm)
- Plastic stud (max. torque = 3 Nm)

### Technical data and specifications

|                         |                        |
|-------------------------|------------------------|
| Standard                | IEC / EN 60252         |
| Rated capacitance $C_N$ | 1,5 .. 60 $\mu$ F      |
| Tolerance               | $\pm 5\%$ , $\pm 10\%$ |
| Rated voltage $U_N$     | 250 .. 660 Vac         |
| Rated frequency $f_N$   | 50.. 60 Hz             |
| Life expectancy         | 10.000 h ( Class B )   |

### Maximum ratings

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Maximum permissible voltage $U_{max}$ | 1,1 x $U_N$ ( $U_N$ : rated voltage) |
| Maximum permissible current $I_{max}$ | 1,3 x $I_N$ ( $I_N$ : rated current) |



**Technical data (cont'd)**
**Test data**

|                                                                |                                    |
|----------------------------------------------------------------|------------------------------------|
| AC test voltage terminal to terminal $U_{TT}$                  | $2 \times U_N$ , 60 s              |
| Insulation voltage terminals to case                           | 2000 Vac                           |
| Insulation resistance $R_{is}$ or time constant $\tau$ at 20°C |                                    |
| Rel. Humidity $\leq 65$ °C (minimum value)                     | 3000 s                             |
| Dissipation factor $\tan\delta$ at 20 °C                       | $\leq 1,0 \times 10^{-3}$ (120 Hz) |
| Maximum rate of voltage rise $du/dt_{max}$                     | 10 V/ $\mu$ s                      |

**Climatic data**

|                                    |                                             |
|------------------------------------|---------------------------------------------|
| Climatic category                  | 25/085/21<br>in accordance with IEC 60068-1 |
| Lower category $T_{min}$           | -25 °C                                      |
| Upper category $T_{max}$           | +85 °C                                      |
| Damp heat test $t_{test}$          | 21 days                                     |
| Permitted capacitance $\Delta C/C$ | $\leq 3$ %                                  |

**Note :**

- 1) It should be noted that presence of harmonics produces over voltage & over current on capacitors. Resonance may cause serious damage to installation if a significant level of total harmonic distortion level exists for voltage or current. In such cases, series reactors must be considered.
- 2) Operating temperature class: In accordance with the reference standards, these temperatures are those measured on the surface on the capacitor

**Approved marks**


EN 60252  
250<sup>(2)(3)</sup>, 400<sup>(1)</sup> and 450<sup>(1)</sup> Vac.

- (1) Currently available from Icotron and EIPL.
- (2) Only from Icotron
- (3) Homologation in process to EIPL

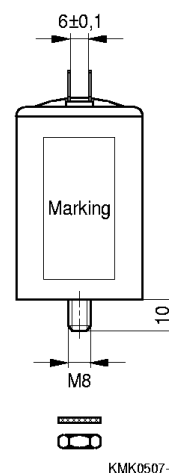
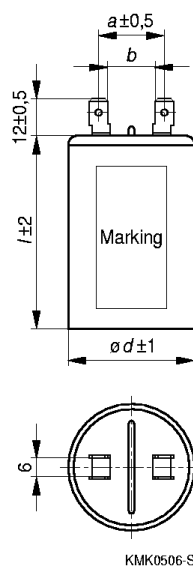
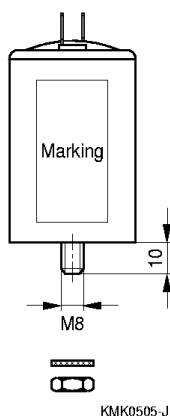
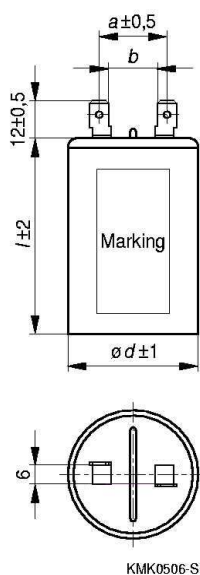
# Dimensional drawings

B32320-...010

B32320-...030

B32322-...010

B32322-...030



**a** = min. 16,15 mm.      For **d** = 25 mm, **a** = min. 12,65 mm.  
**b** = min. 9,5 mm.        For **d** = 25 mm, **b** = min. 6,0 mm.

**Ordering codes and packing units**

| $U_N$<br>Vac | $C_N$<br>$\mu F$ | Max. dimensions<br>$d \times l$ (mm)<br>B32320 | Max. dimensions<br>$d \times l$ (mm)<br>B32322 | Ordering code      | Packing unit<br>(pcs.) |
|--------------|------------------|------------------------------------------------|------------------------------------------------|--------------------|------------------------|
| 250          | 4                | 25 x 58                                        | 30 x 62                                        | B323**-C1405-+0\$0 | 112                    |
|              | 5                | 25 x 58                                        | 30 x 62                                        | B323**-C1505-+0\$0 | 112                    |
|              | 6                | 25 x 58                                        | 30 x 62                                        | B323**-C1605-+0\$0 | 112                    |
|              | 7                | 25 x 58                                        | 30 x 62                                        | B323**-C1705-+0\$0 | 112                    |
|              | 8                | 25 x 58                                        | 30 x 62                                        | B323**-C1805-+0\$0 | 112                    |
|              | 9                | 30 x 62                                        | 30 x 62                                        | B323**-C1905-+0\$0 | 112                    |
|              | 10               | 30 x 62                                        | 30 x 62                                        | B323**-C1103-+0\$0 | 112                    |
|              | 12               | 30 x 62                                        | 30 x 62                                        | B323**-C1126-+0\$0 | 112                    |
|              | 15               | 30 x 62                                        | 30 x 62                                        | B323**-C1156-+0\$0 | 112                    |
|              | 20               | 35 x 62                                        | 35 x 62                                        | B323**-C1206-+0\$0 | 84                     |
|              | 25               | 35 x 71                                        | 35 x 71                                        | B323**-C1256-+0\$0 | 84                     |
|              | 30               | 35 x 71                                        | 35 x 71                                        | B323**-C1306-+0\$0 | 84                     |
|              | 35               | 40 x 71                                        | 40 x 71                                        | B323**-C1356-+0\$0 | 45                     |
|              | 40               | 40 x 71                                        | 40 x 71                                        | B323**-C1406-+0\$0 | 45                     |
|              | 45               | 40 x 71                                        | 40 x 71                                        | B323**-C1456-+0\$0 | 45                     |
|              | 50               | 40 x 98                                        | 40 x 98                                        | B323**-C1506-+0\$0 | 45                     |
|              | 55               | 40 x 98                                        | 40 x 98                                        | B323**-C1556-+0\$0 | 45                     |
|              | 60               | 40 x 98                                        | 40 x 98                                        | B323**-C1606-+0\$0 | 45                     |

| $U_N$<br>Vac | $C_N$<br>$\mu F$ | Max. dimensions<br>$d \times l$ (mm)<br>B32320 | Max. dimensions<br>$d \times l$ (mm)<br>B32322 | Ordering code      | Packing unit<br>(pcs.) |
|--------------|------------------|------------------------------------------------|------------------------------------------------|--------------------|------------------------|
| 400          | 2                | 25 x 58                                        | 30 x 62                                        | B323**-B4205-+0\$0 | 112                    |
|              | 3                | 25 x 58                                        | 30 x 62                                        | B323**-B4305-+0\$0 | 112                    |
|              | 4                | 25 x 58                                        | 30 x 62                                        | B323**-B4405-+0\$0 | 112                    |
|              | 5                | 30 x 62                                        | 30 x 62                                        | B323**-B4505-+0\$0 | 112                    |
|              | 6                | 30 x 62                                        | 30 x 62                                        | B323**-B4605-+0\$0 | 112                    |
|              | 7                | 35 x 62                                        | 35 x 62                                        | B323**-B4705-+0\$0 | 84                     |
|              | 8                | 35 x 62                                        | 35 x 62                                        | B323**-B4805-+0\$0 | 84                     |
|              | 10               | 35 x 62                                        | 35 x 62                                        | B323**-B4106-+0\$0 | 84                     |
|              | 12               | 35 x 71                                        | 35 x 71                                        | B323**-B4126-+0\$0 | 84                     |
|              | 15               | 40 x 71                                        | 40 x 71                                        | B323**-B4156-+0\$0 | 45                     |
|              | 20               | 40 x 71                                        | 40 x 71                                        | B323**-B4206-+0\$0 | 45                     |
|              | 25               | 40 x 98                                        | 40 x 98                                        | B323**-B4256-+0\$0 | 45                     |
|              | 30               | 40 x 98                                        | 40 x 98                                        | B323**-B4306-+0\$0 | 45                     |
|              | 35               | 45 x 95                                        | 45 x 95                                        | B323**-A4356-+0\$0 | 45                     |
|              | 40               | 45 x 95                                        | 45 x 95                                        | B323**-A4406-+0\$0 | 45                     |
|              | 45               | 50 x 95                                        | 50 x 95                                        | B323**-A4456-+0\$0 | 32                     |
|              | 50               | 50 x 95                                        | 50 x 95                                        | B323**-A4506-+0\$0 | 32                     |
| 450          | 3                | 30 x 62                                        | 30 x 62                                        | B323**-B6305-+0\$0 | 112                    |
|              | 6                | 35 x 62                                        | 35 x 62                                        | B323**-B6605-+0\$0 | 84                     |
|              | 8                | 35 x 71                                        | 35 x 71                                        | B323**-B6805-+0\$0 | 84                     |
|              | 10               | 40 x 71                                        | 40 x 71                                        | B323**-B6106-+0\$0 | 45                     |
|              | 12               | 40 x 71                                        | 40 x 71                                        | B323**-B6126-+0\$0 | 45                     |
|              | 15               | 45 x 71                                        | 45 x 71                                        | B323**-A6156-+0\$0 | 45                     |
|              | 20               | 45 x 71                                        | 45 x 71                                        | B323**-A6206-+0\$0 | 45                     |
|              | 25               | 45 x 95                                        | 45 x 95                                        | B323**-A6256-+0\$0 | 45                     |
|              | 30               | 45 x 95                                        | 45 x 95                                        | B323**-A6306-+0\$0 | 45                     |
|              | 35               | 50 x 95                                        | 50 x 95                                        | B323**-A6356-+0\$0 | 32                     |
|              | 40               | 45 x 120                                       | 45 x 120                                       | B323**-A6406-+0\$0 | 45                     |

| $U_N$<br>Vac | $C_N$<br>$\mu F$ | Max. dimensions<br>$d \times l$ (mm)<br>B32320 | Max. dimensions<br>$d \times l$ (mm)<br>B32322 | Ordering code      | Packing unit<br>(pcs.) |
|--------------|------------------|------------------------------------------------|------------------------------------------------|--------------------|------------------------|
| 450          | 45               | 50 x 120                                       | 50 x 120                                       | B323**-A6456-+0\$0 | 32                     |
|              | 50               | 50 x 120                                       | 50 x 120                                       | B323**-A6506-+0\$0 | 32                     |
| 660          | 1,5              | 30 x 62                                        | 30 x 62                                        | B323**-B9155-+0\$0 | 112                    |
|              | 2                | 35 x 62                                        | 35 x 62                                        | B323**-B9205-+0\$0 | 84                     |
|              | 5                | 40 x 98                                        | 40 x 98                                        | B323**-B9505-+0\$0 | 45                     |
|              | 6                | 45 x 95                                        | 45 x 95                                        | B323**-A9605-+0\$0 | 45                     |
|              | 7,5              | 45 x 95                                        | 45 x 95                                        | B323**-A9755-+0\$0 | 45                     |
|              | 10               | 50 x 95                                        | 50 x 95                                        | B323**-A9106-+0\$0 | 32                     |

**Notes for ordering code:**

\*\* Replace for terminals

20 – Single fast on terminals

22 – Double fast on terminals

+ Replace for capacitance tolerance

J -  $\pm 5\%$

K -  $\pm 10\%$

\$ Replace for construction

1 - Plastic case FRPP (UL94 V-2)

3 - Plastic case FRPP (UL94 V-2) and M8 bolt

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