

### Film Capacitors – AC Capacitors

Motor run capacitors

Series/Type:CBB65A-1Ordering code:B3333\*Date:July 2016Version:1

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#### CAP FILM T RD PD AC

#### Film Capacitors – AC Capacitors Motor run capacitors

#### Construction

- Metallized polypropylene film
- Aluminum can and top
- Filling material: soft polyurethane resin

#### Features

- Self-healing properties
- Low dissipation factor
- Overpressure disconnection safety device
- S2 safety class as per IEC-60252-1(ed-2) am1
- High insulation resistance
- EN 60335-1 compliance

#### Typical applications

For general sine wave application, mainly as motor run

#### Terminals

2+2 fast-on terminal 6.3 x 0.8mm #250 style, others on request

#### Mounting Parts (Optional)

Threaded stud at bottom of can (M8, Max torque= 5 Nm for 50 mm diameter)

Technical data and specifications	
Reference standards	DIN EN 60252-1:2014-07, IEC 60252-1 (ed 2) am1 UL 810, GB/T3667.1
Safety class to IEC 60252-1 2013	S2
Life expectancy to IEC 60252-1 2013	450 V : 30000 h (Class A)
Rated capacitance C <sub>R</sub>	See Table ordering code, page 5
Tolerance Tx	+/- 5%
Rated voltage V <sub>rms</sub>	450 V , others on request
Rated frequency f <sub>R</sub>	50/60 Hz
Maximum ratings	
Maximum permissible voltage V <sub>max</sub>	1.1 • $V_R$ ( $V_R$ = Rated voltage)
Maximum permissible current I <sub>max</sub>	1.3 • $I_R$ ( $I_R$ = Rated current)





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Test data	
AC test voltage terminal to terminal $V_{TT}$	2.0 • V <sub>R</sub> , 2 s
Insulation voltage terminals to case	3000 V AC, 2 s
Insulation resistance R <sub>ins</sub> or time constant at +20 ℃, rel. Humidity≤65% (minimum as-delivered values)	10000 s
Dissipation factor tan $\delta$ at +20 $^{\circ}\!$	≤ 7 • 10 <sup>-3</sup> (1 kHz)
Maximum rate of voltage rise dV/dt <sub>max</sub>	10 V/ µs
Climatic data	
Climatic category	40/085/21 to IEC 60068-1
Lower category T <sub>min</sub>	-40° C
Upper category T <sub>max</sub>	+85° C
Damp heat test t <sub>test</sub>	21 days
Mechanical and thermal properties of terminal insulator material	
<ul> <li>Terminal material</li> <li>UL 94 V0 compatible</li> <li>Glow wire test to IEC60335-1 Test temperature +750 °C</li> <li>Part is compatible to EN 60335-1</li> </ul>	Self-extinguishing within 2 seconds of withdrawing glow wire without igniting wrapping tissue of GWT
Compatibility to RoHS	
Compliance to directive 2011/65/EU	RoHS
Approvals: See table for approved ratings	
RUS UL File E 238746	Approved component 10000 AFC
VDE EN 60252-1	Approved up to 65 uF , 450 V / 85°C : 30000 h (Class A)
CQC	Approval on request
CE	Compliance to LV directive 2014/35/EU

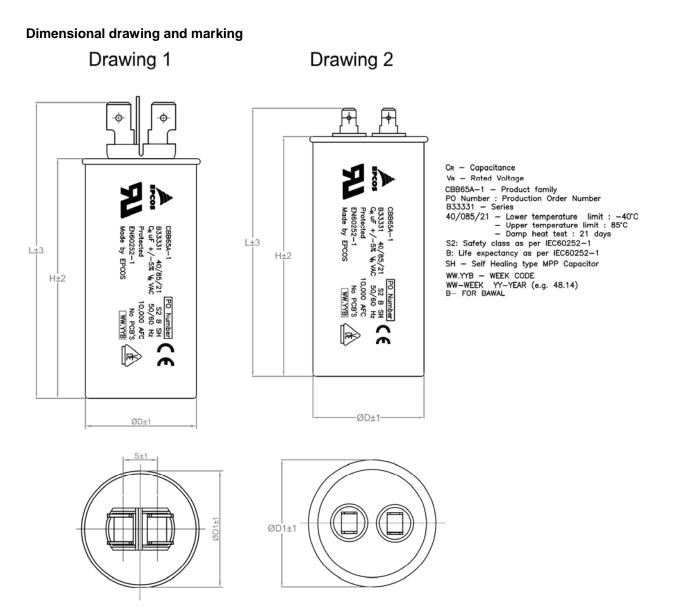
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 $V_{R}$ D1  $C_R$ Case L Drawing Ordering code Packing Approval dimensions No. unit  $(D \times H)$ mm V AC иF mm mm 2 30 x 55 33 73 1 B3333\*B6205-J0#X 100 VDE/UL 2 4 35 x 55 38 68 B3333\*B6405-J0#X 64 VDE/UL 1 6 30 x 65 33 83 B3333\*B6605-J0#X 100 VDE/UL 2 35 x 65 B3333\*B6805-J0#X 64 VDE/UL 8 38 78 93 1 10 30 x 75 33 B3333\*B6106-J0#X 100 VDE/UL 2 VDE/UL 40.5 x 65 43.5 78 B3333\*B6126-J0#X 49 12 2 49 VDE/UL 45 x 55 14 48 68 B3333\*B6146-J0#X 450 2 40.5 x 75 43.5 88 B3333\*B6166-J0#X 49 VDE/UL 16 2 20 40.5 x 85 43.5 98 B3333\*B6206-J0#X 49 VDE/UL VDE/UL 2 B3333\*B6256-J0#X 49 25 40.5 x 100 43.5 113 49 VDE/UL 2 25 45 x 85 48 98 B3333\*B6256-J0#X 36 VDE/UL 50 x 85 98 2 30 53 B3333\*B6306-J0#X 36 VDE/UL 2 40 50 x 100 B3333\*B6406-J0#X 53 113 2 VDE/UL 50 50 x 100 53 113 B3333\*B6506-J0#X 36

#### Ordering codes and packing unit

#### Composition of ordering code

\*: Terminals: B33331: 2+2 fast-on terminals B33333: Other terminal configuration on request

#### #:construction

6 Aluminium Can Flat type

8 Aluminium Can with M8 bolt

X: 0 as per this dimension and properties 1-9 special dimension and properties

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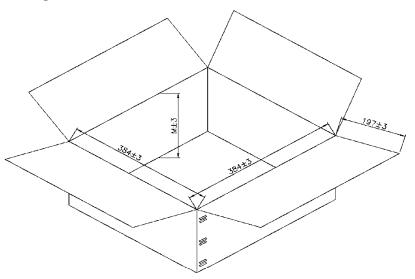
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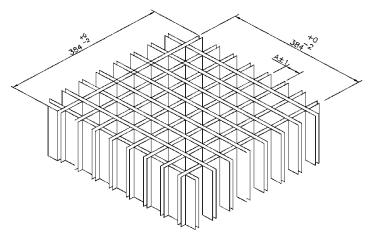
### Film Capacitors – AC Capacitors

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#### Packing box



<u>M = H(Capacitor height) + Terminal height + 10mm min.</u>



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