

<b>AC Film Capacitors</b>	<b>B 32330</b>
<b>Motor Run</b>	<b>B 32332</b>

### Construction

- Dielectric: polypropylene film
- Aluminium can
- Soft polyurethane resin

### Features

- Self-healing properties
- Low dissipation factor
- Overpressure disconnection device
- High insulation resistance



### Typical applications

For general sine wave applications, mainly as motor run capacitor.

### Terminals

- Single (B32330 series) or Double (B32332 series) fast on 6,3 x 0,8 mm.

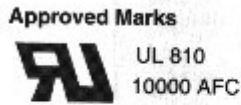
### Mounting parts

- Metal stud (max. torque = 5 Nm)

### Technical data and specifications

Standart	IEC 60252 / EN 60252
Rated capacitance $C_n$	According to dimensions table
Tolerance	$\pm 5\%$ , $\pm 6\%$ , $\pm 10\%$
Rated voltage $U_n$	According to dimensions table
Rated frequency $f_n$	50...60 Hz
Life expectance	10.000 h (class B)
<b>Maximum ratings</b>	
Maximum permissible voltage $U_{max}$	$1,1 \times U_n$ ( $U_n$ =Rated voltage).
Maximum permissible current $I_{max}$	$1,3 \times I_n$ ( $I_n$ =Rated current)
<b>Test data</b>	
AC test voltage terminal to terminal $U_{\tau\tau}$	$2 \times U_n$ , 60s.
Insulation voltage terminals to case	2000 Vac, 60s.
Insulation resistance $R_{is}$ time constant at 20°C	3000 s
Rel. humidity $\leq 65^\circ\text{C}$ (minimum value)	
Dissipation factor $\tan\delta$ at 20°C	$\leq 1,0 \times 10^{-3}$ (120 Hz)
Maximum rate of voltage rises $du/dt_{max}$	10 V/ $\mu\text{s}$
<b>Climatic data</b>	
Climatic category	25/085/21 according to IEC 60068-1
Lower category $T_{min}$	-25°C
Upper category $T_{max}$	+85°C
Damp heat test $T_{test}$	21 days

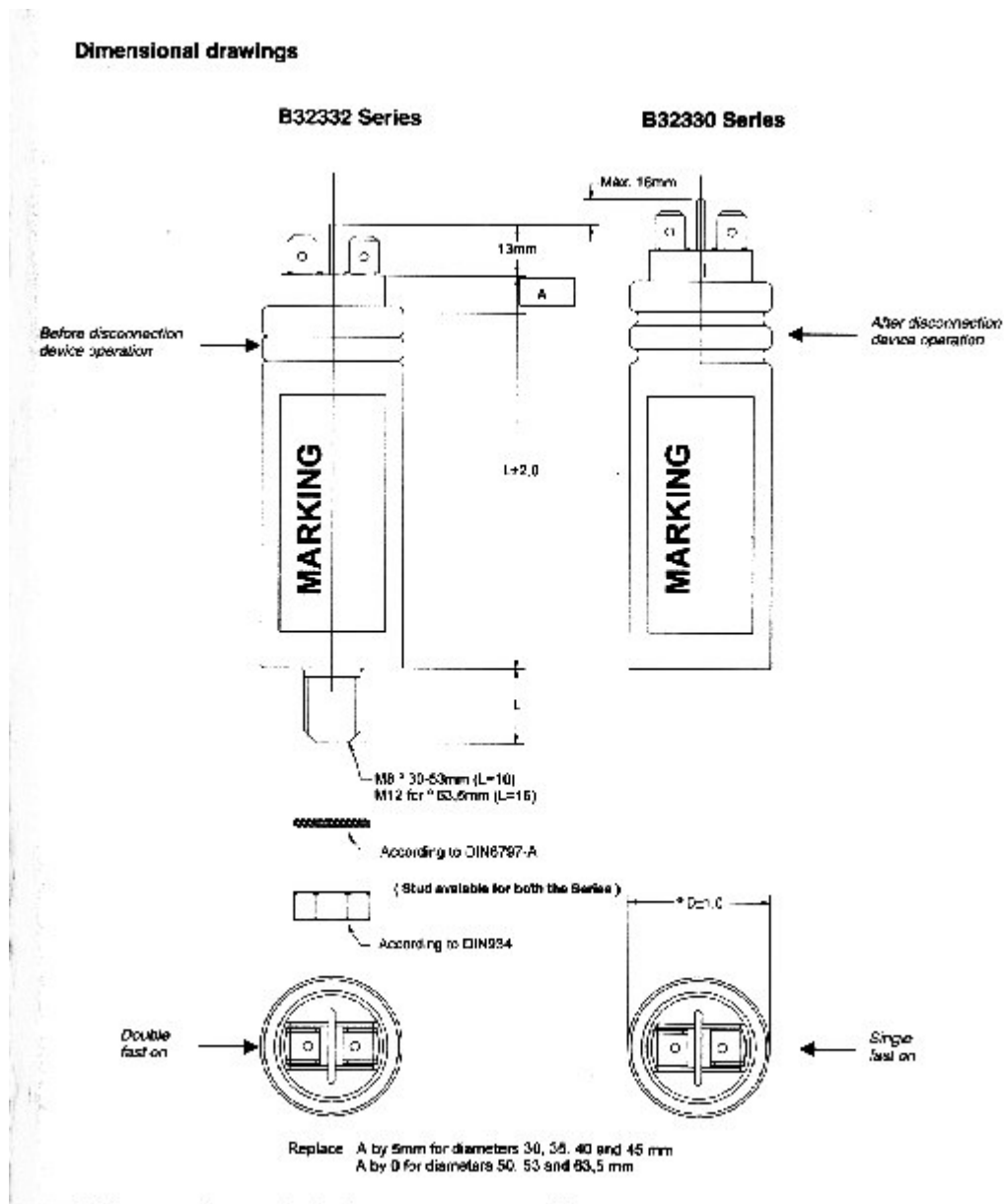
Standart	IEC 60252 / EN 60252
Permitted capacitance $\Delta C/C$	$\leq 3\%$



\* VDE approval for 400 and 450V.  
# Currently available in Icotron

Note:

- 1 - Attention should be paid to the presence of harmonics that produce 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 temperature are those measured on the surface on the capacitor.



### Ordering codes and packing units

Un [Vac]	Cn [μF]	Max. Dimensions D x L [mm]	Ordering Code B 3233*	PackingUnits
250	4	30 x 68	-B1405-+0##	112
	5	30 x 68	-B1505-+0##	112
	6	30 x 68	-B1605-+0##	112
	7	30 x 68	-B1705-+0##	112
	8	30 x 68	-B1805-+0##	112
	10	30 x 68	-B1106-+0##	112
	12	30 x 68	-B1126-+0##	84
	15	35 x 68	-B1156-+0##	84
	20	35 x 68	-B1206-+0##	84
	25	35 x 78	-B1256-+0##	45
	30	40 x 78	-B1306-+0##	45
	35	40 x 78	-B1356-+0##	45
	40	40 x 78	-B1406-+0##	45
	45	40 x 78	-B1456-+0##	45
	50	40 x 103	-B1506-+0##	45
	55	40 x 103	-B1556-+0##	45
	60	40 x 103	-B1606-+0##	45
400	4	30 x 68	-B4405-+0##	112
	5	30 x 68	-B4505-+0##	112
	6	30 x 68	-B4605-+0##	112
	7	30 x 78	-B4705-+0##	112
	8	30 x 78	-B4805-+0##	112
	10	30 x 78	-B4106-+0##	112
	12	35 x 78	-B4126-+0##	84
	15	40 x 78	-B4156-+0##	45
	20	40 x 78	-B4206-+0##	45
	25	40 x 103	-B4256-+0##	45
	30	40 x 103	-B4306-+0##	45
	35	45 x 103	-B4356-+0##	45
	40	50 x 103	-B4406-+0##	32
	45	50 x 103	-B4456-+0##	32
	50	53 x 103	-B4506-+0##	32
	60	53 x 130	-B4606-+0##	32
450	3	30 x 68	-B6305-+0##	112

<b>Un</b> <b>[Vac]</b>	<b>Cn</b> <b>[μF]</b>	<b>Max. Dimensions</b> <b>D x L [mm]</b>	<b>Ordering Code</b> <b>B 3233*</b>	<b>PackingUnits</b>
	4	30 x 68	-B6405-+0##	112
	5	30 x 78	-B6505-+0##	112
	6	30 x 78	-B6605-+0##	112
	7	30 x 78	-B6705-+0##	112
	8	35 x 78	-B6805-+0##	84
	10	40 x 78	-B6106-+0##	45
	12	40 x 78	-B6126-+0##	45
	15	40 x 103	-B6156-+0##	45
	20	40 x 103	-B6206-+0##	45
	25	45 x 103	-B6256-+0##	45
	30	50 x 103	-B6306-+0##	32
	35	50 x 103	-B6356-+0##	32
	40	53 x 103	-B6406-+0##	32
	45	53 x 140	-B6456-+0##	32
	50	53 x 140	-B6506-+0##	32
	55	63.5 x 140	-B6556-+0##	28
	60	63.5 x 140	-B6606-+0##	28

Notes for Ordering Code:

1 - Replace \* by : 0 - single tab fast-on

2 - double tab fast-on

2 - For capacitance tolerance replace + by: J± 5%, E± 6%, K ± 10%

3 - Replace ## by: 50 - aluminum can

70 - aluminum can with

M8 fixing threaded bolt for  $\leq \varnothing$  53 mm

M12 fixing threaded bolt for  $\leq \varnothing$  63.5 mm