

**Motor run**
**Construction**

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

**Features**

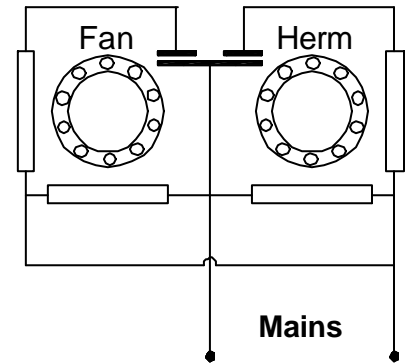
- Self-healing properties
- Low dissipation factor
- Overpressure disconnection device
- High insulation resistance


**Typical applications**

For general sine wave applications, mainly as motor run capacitor for room air conditioner units

**Terminals**

- Double fast on 6,3 x 0,8 mm and Quadruple fast on 6,3 x 0,8 mm


**Mounting parts**

- Metal stud (max. torque = 5 Nm)

**Technical data and specifications**

Standard	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 expectancy	30.000 h (class A)

**Maximum ratings**

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)

**Test data**

AC test voltage terminal to terminal $U_{TT}$	$2 \times U_N$ , 60s (type test)
Insulation voltage terminals to case	2000 Vac, 60s. (type test)
Insulation resistance $R_{is}$ or time constant at $\tau$ 20 °C	3000 s
Rel. Humidity $\leq 65$ °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/ $\mu$ s

## Motor run

## Technical data (cont`d)

## Climatic data

Climatic category	25/085/21 according to IEC 60070-1
Lower category $T_{\min}$	-25 °C
Upper category $T_{\max}$	+85 °C
Damp heat test $t_{\text{test}}$	21 days
Permitted capacitance $\Delta C/C$	$\leq 3 \%$

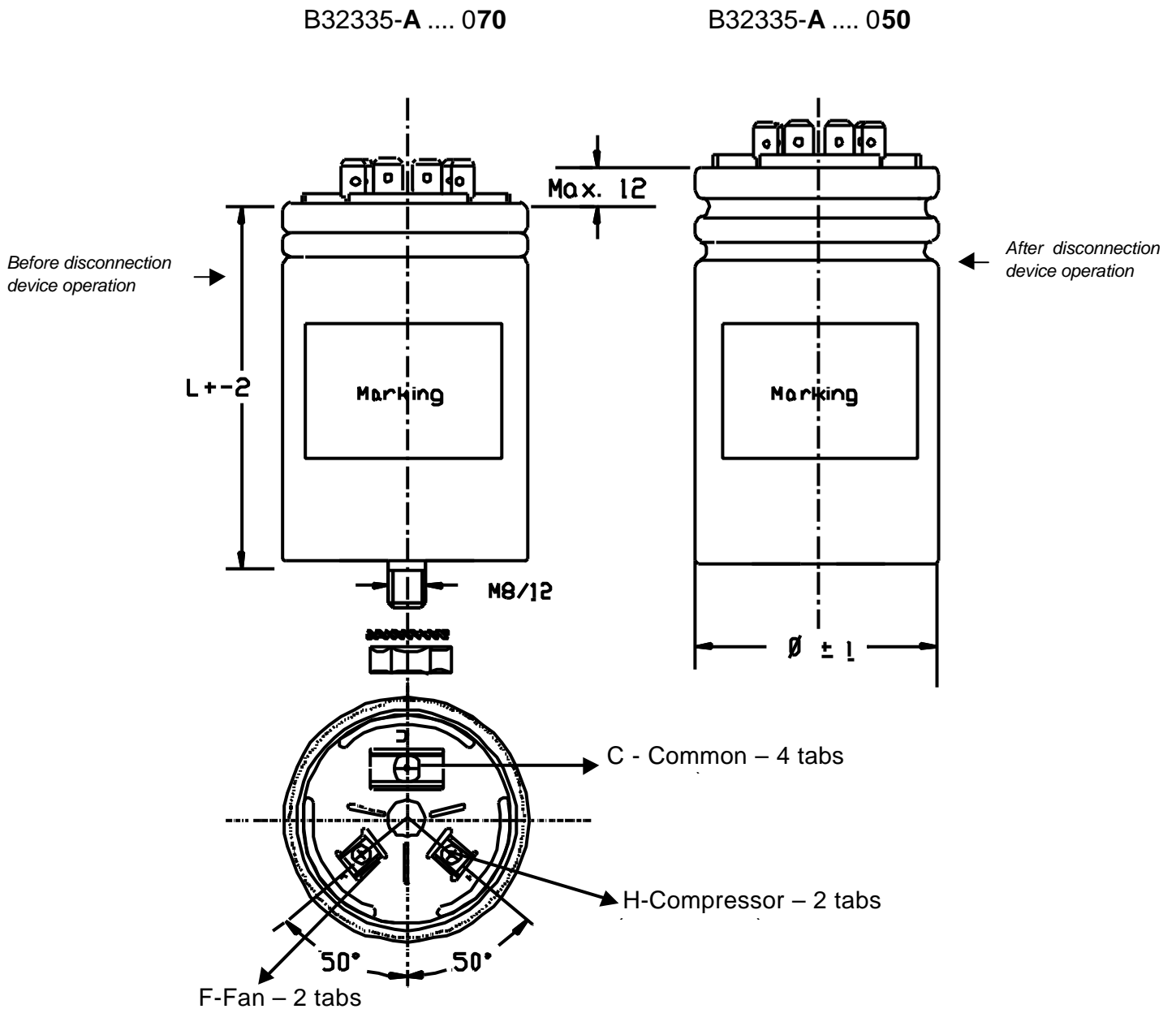
## Approved marks

UL810  
10000 AFC

## Notes :

- 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.

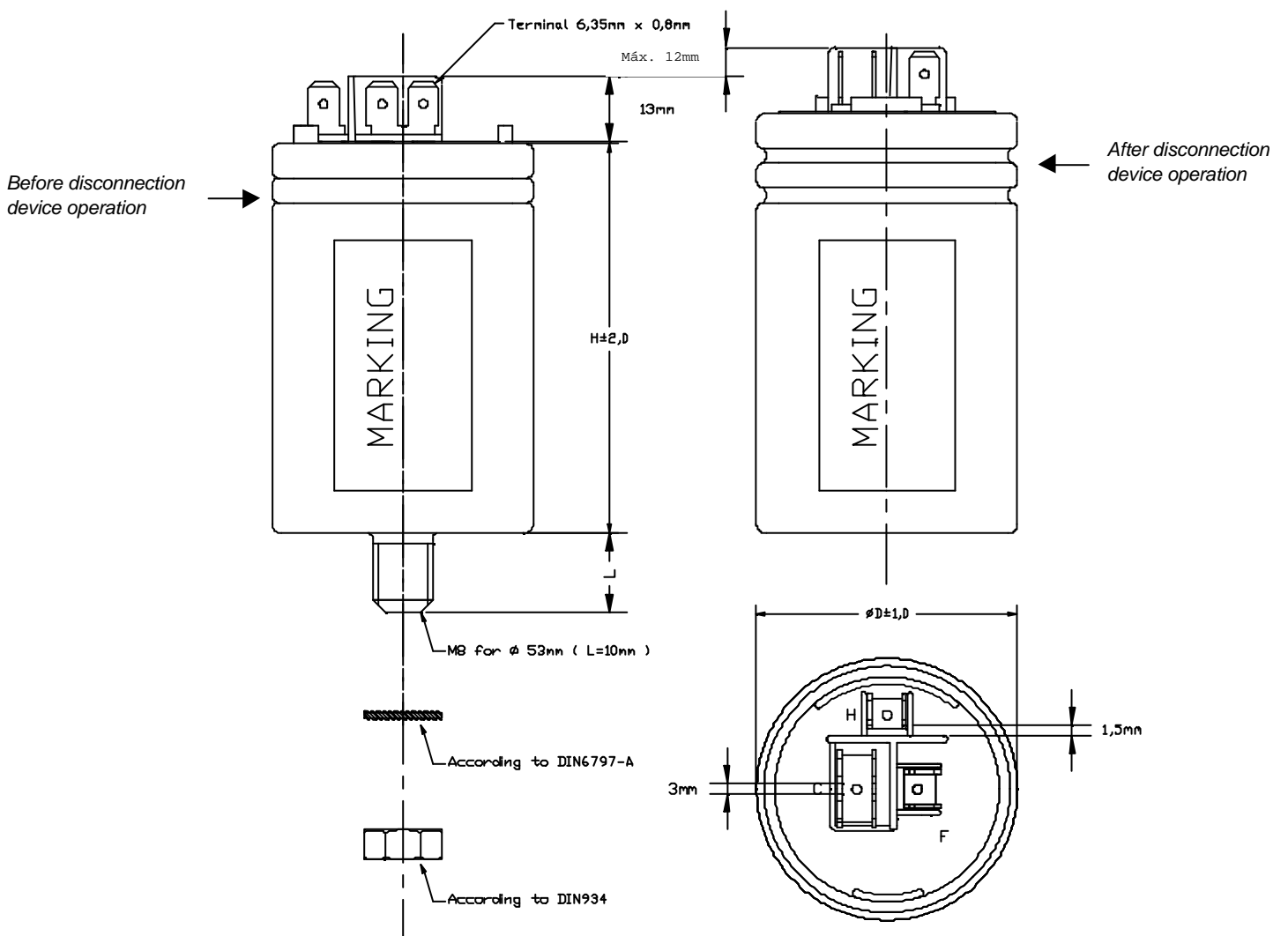
Dimensional drawings for EPCOS India



Dimensional drawings for EPCOS do Brasil

B32335-B... 070

B32335-B... 050



**Motor run**
**Ordering codes and packing units**

U <sub>N</sub> Vac	C <sub>N</sub> μF	Max. dimensions d x l (mm)	Ordering code B32335-*	Packing units
382	15+2	53 x 70	3020-+0**	32
	15+2.5	53 x 70	3076-+0**	32
	15+3	53 x 70	3021-+0**	32
	15+4	53 x 70	3022-+0**	32
	15+5	53 x 70	3023-+0**	32
	17.5+2.5	53 x 70	3077-+0**	32
	17.5+4	53 x 70	3024-+0**	32
	17.5+5	53 x 70	3025-+0**	32
	20+2	53 x 70	3027-+0**	32
	20+2.5	53 x 70	3057-+0**	32
	20+3	53 x 70	3028-+0**	32
	20+4	53 x 70	3050-+0**	32
	20+5	53 x 70	3029-+0**	32
	22+5	53 x 82	3030-+0**	32
	25+2	63.5 x 70	3031-+0**	28
	25+2.5	53 x 82	3054-+0**	32
	25+3	53 x 82	3032-+0**	32
	25+4	53 x 82	3033-+0**	32
	25+5	53 x 82	3034-+0**	32
	25+7.5	53 x 82	3019-+0**	32
	25+8	53 x 82	3051-+0**	32
	25+9.5	53 x 82	3053-+0**	32
	25+10	53 x 85	3056-+0**	32
	25+15	53 x 107	3098-+0**	32
	30+2	53 x 82	3035-+0**	32
	30+3	53 x 82	3073-+0**	32
	30+4	53 x 82	3036-+0**	32
	30+5	53 x 82	3037-+0**	32
	30+7.5	53 x 82	3066-+0**	32
	30+10	53 x 107	3038-+0**	32

**Motor run**

U <sub>N</sub> [Vac]	C <sub>N</sub> [μF]	Max. dimensions d x l [mm]	Ordering code B32335-*	Packing units
382	30+12	53 x 107	3072-+0**	32
	30+15	53 x 107	3067-+0**	32
	35+2	63.5 x 70	3081-+0**	28
	35+3	53 x 82	3059-+0**	32
	35+4	53 x 107	3039-+0**	32
	35+5	53 x 107	3040-+0**	32
	35+6	53 x 107	3085-+0**	32
	35+8	53 x 107	3058-+0**	32
	35+9.5	53 x 107	3052-+0**	32
	35+10	53 x 107	3041-+0**	32
	35+12	53 x 107	3079-+0**	32
	35+15	53 x 107	3074-+0**	32
	40+4	53 x 107	3090-+0**	32
	40+5	53 x 107	3042-+0**	32
	40+7.5	53 x 107	3086-+0**	32
	40+8	53 x 107	3047-+0**	32
	40+10	53 x 107	3043-+0**	32
	40+12	53 x 107	3075-+0**	32
	40+15	53 x 107	3078-+0**	32
	45+4	63 x 82	3106-+0**	28
	45+5	53 x 107	3044-+0**	32
	45+8	53 x 107	3071-+0**	32
	45+10	53 x 107	3045-+0**	32
	50+4	63.5 x 86	3046-+0**	28
	50+5	53 x 107	3048-+0**	32
	50+8	53 x 107	3049-+0**	32

**Motor run**

U <sub>N</sub> [Vac]	C <sub>N</sub> [μF]	Max. dimensions d x l [mm]	Ordering code B32335-*	Packing units
440	15+2	53 x 70	5020-+0**	32
	15+5	53 x 82	5023-+0**	32
	20+2	53 x 82	5027-+0**	32
	20+3	53 x 82	5028-+0**	32
	20+4	53 x 82	5050-+0**	32
	20+5	53 x 82	5029-+0**	32
	22+5	53 x 82	5030-+0**	32
	25+2.5	53 x 82	5054-+0**	32
	25+4	53 x 107	5033-+0**	32
	25+5	53 x 107	5034-+0**	32
	25+8	53 x 107	5051-+0**	32
	30+5	53 x 107	5037-+0**	32
	30+8	53 x 107	5082-+0**	32
	30+12	53 x 107	5072-+0**	32
	30+15	63.5 x 107	5067-+0**	28
	35+5	53 x 107	5040-+0**	32
	40+3	53 x 107	5091-+0**	32
	40+4	53 x 107	5090-+0**	32
40+10	63.5 x 107	5043-+0**	28	

Notes for ordering code:

1. Replace \* for the version, A (Epcos India design) or B (Icotron design), according to the drawings on pages 3 and 4
2. Replace + for capacitance tolerance: - J- ±5%, E- ±6%, K- ±10%
3. Replace \*\* for can

50 - Aluminum can

70 - Aluminum can with stud

M 8 fixing threaded bolt for  $\leq \phi$  53mm.

M12 fixing threaded bolt for  $\phi$  63.5mm.

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