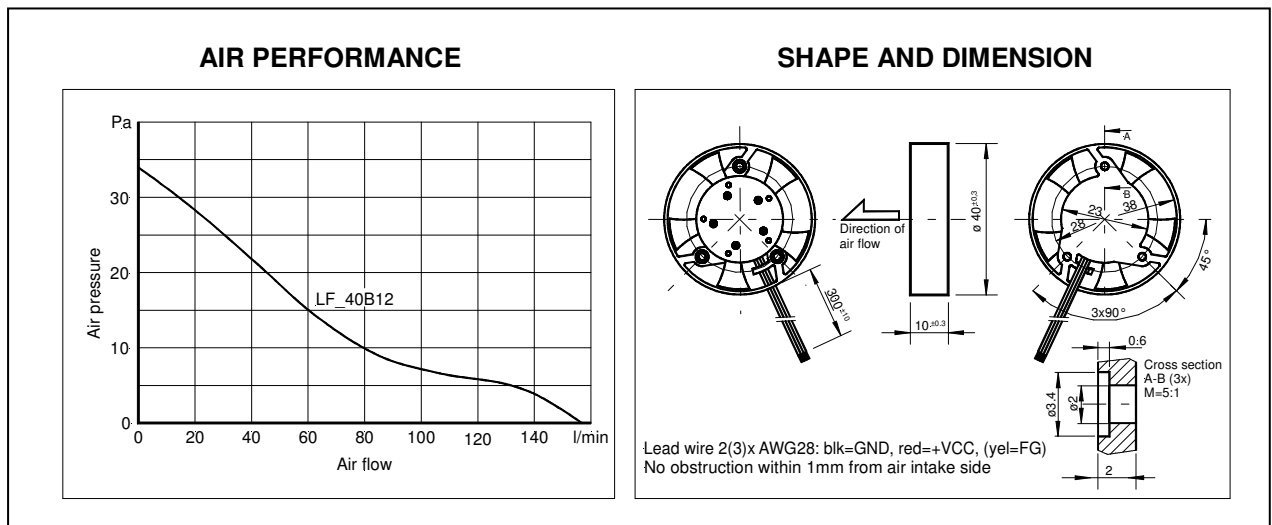


LF_40B12

ROUND SHAPED ECO FAN



PERFORMANCE

CE		LF_40B12 LF_40B12A
Operating voltage	[VDC]	10.8 ... 12 ... 13.8
Typ. operating current	[mA]	50
Max. start current	[mA]	160
Max. air flow	[l/min-m ³ /h]	157 – 9.4
Max. air pressure	[Pa-mmH ² O]	33 – 3.4
Typ. noise (1m dist. from air intake side)	[dB(A)]	22
Typ. rotor speed	[RPM]	6600
FG (...A)	[PPR]	2
Operating temperature	[°C]	-20 ... +60
Life expectancy L10/MTBF@ 40°C	[h]	40000/210000
Bearing system		Magfix sleeve bearing
Weight	[g]	10
Standard packing quantity	[Pc.]	50-100-500

This **SEPA**[®] high-tech miniature fan is suitable for industrial or automotive use and has a remarkable air flow performance despite its small dimensions. Thanks to the extremely low power input, this fan is highly suitable for battery-operated devices. It is permanently protected electrically against reverse polarity, blocking and thermal overloading. Due to the low rotor weight and precision balancing, it is virtually vibration-free. It is also insensitive to shock.

Further features of this fan are its extremely robust and torsionally stiff plastic housing of PBT, polyester-based PCB, the Magfix bearing system and absolute reliability due to a 100% burn-in.

Technical changes without notice • 04/15

LF_40B12

ROUND SHAPED ECO FAN



• **ALARM SIGNAL (Optional)**

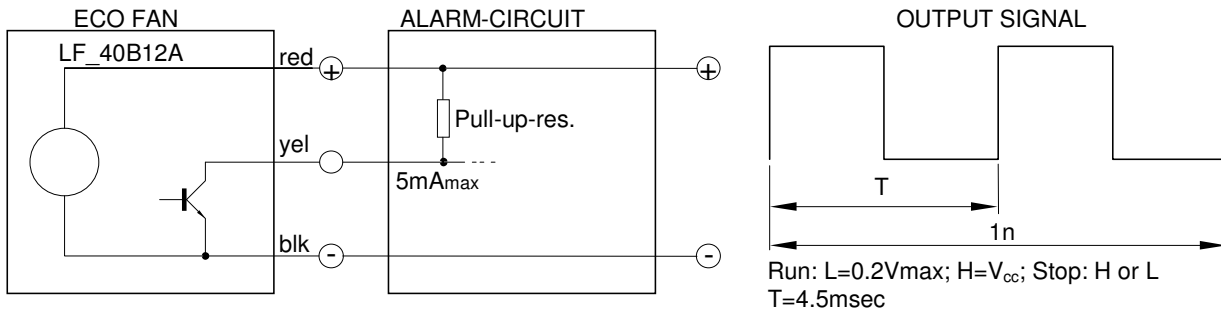
The **SEPA**® fan LF_40B12A includes a pulse output, which allows monitoring the correct function of the fan.

The pulse is like a rectangular wave, the frequency correlates to 2x rotor speed. The amplitude is about 5V_{ss} and appears periodically. At blocked rotor the output signal could be L (≤0,2V) or H (12 V).

IMPORTANT: The pulse output is not protected against short circuit and must not connect to GND or V_{cc} without pre-resistor. A pull-up-resistor is needed. Do not connect not used pulse output (insolate).

The fan LF_40B12x has tinned lead wire ends (without connector).

Do not touch the rotor! Please note the handling specification!



• **ACCESSORIES:**

Connector: on request

• **ORDER INFORMATION (Delivery time on request)**

LF_40B12	SEPA ® ECO fan, D40x10mm, 12VDC, Magfix sleeve bearing, CE	504802000
LF_40B12A	SEPA ® ECO fan, D40x10mm, 12VDC, Magfix sleeve bearing, FG, CE	on request

SEPA® is the brand name for fans and CPU-cooler, made by Nippon Keiki Works LTD., Tokyo

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