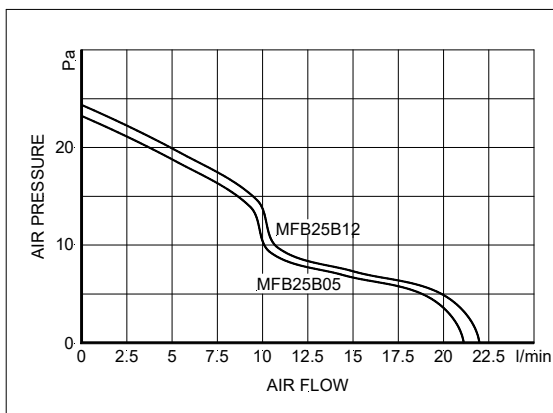


MFB25B Series

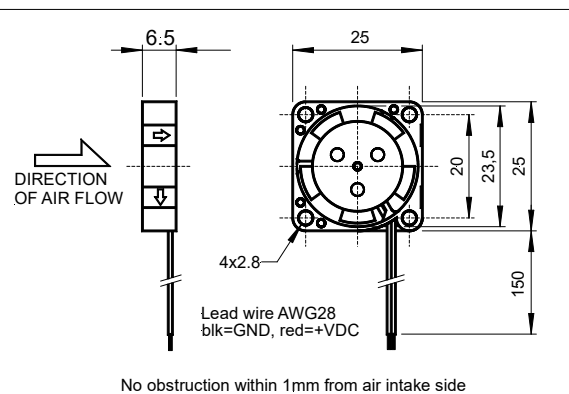
HIGH PERFORMANCE FAN



AIR PERFORMANCE



SHAPE AND DIMENSION



PERFORMANCE

CE		MFB25B05-002 MFB25B05A-002	MFB25B12-003 MFB25B12A-000
Operating voltage	[VDC]	4.5 ... 5 ... 5.5	10.2 ... 12 ... 13.8
Typ. operating current	[mA]	40	30
Max. start current	[mA]	120	80
Max. air flow	[l/min-m ³ /h]	22 – 1.3	23 – 1.4
Max. air pressure	[Pa-mmH ₂ O]	24 – 2.5	25 – 2.6
Typ. noise (1m from air intake side)	[dB(A)]	20	21
Typ. rotor speed	[RPM]	10000	11000
FG (...A)	[PPR]	3	
Operating temperature	[°C]	-40 ... +80	
Motor protection		Impedance	IC
Life expectancy L10/MTBF@ 40°C	[h]	70000/550000	
Bearing system		Ball bearings ZZ	
Weight	[g]	5	
Standard packing quantity	[Pcs.]	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, HG-ball bearings, polyester-based PCB and absolute reliability.

MFB25B Series

HIGH PERFORMANCE FAN



• ALARM SIGNAL (Optional)

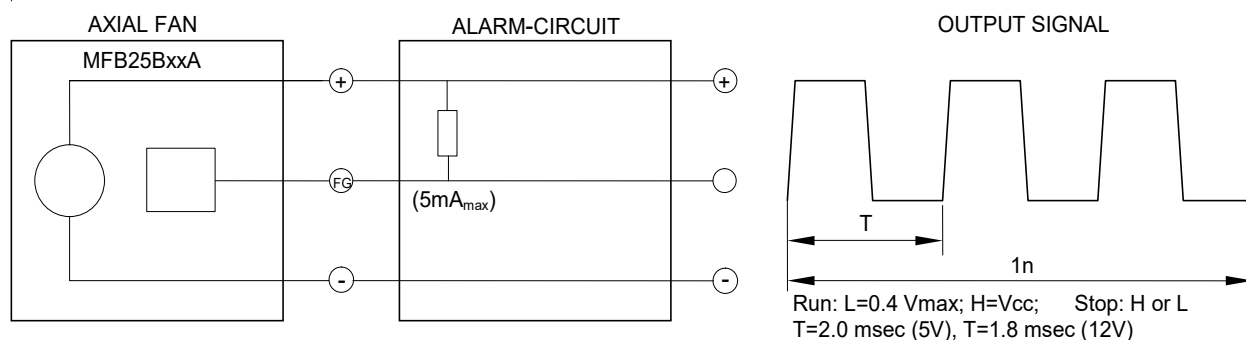
The **SEPA**® fans MFB25B..A include a pulse output, which allows monitoring the correct function of the fan.

The pulse is like a rectangular wave, the frequency correlates to 3x rotor speed. The amplitude appears periodically. At blocked rotor the output signal could be L ($\leq 0,4V$) or H (V_{cc}).

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

The fans MFB25B... have 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)

MFB25B05-002	SEPA ® Miniature fan, 25x25x6.5mm, 5VDC, ball bearings, CE	513071000
MFB25B05A-002	SEPA ® Miniature fan, 25x25x6.5mm, 5VDC, ball bearings, FG, CE	512521010
MFB25B12-003	SEPA ® Miniature fan, 25x25x6.5mm, 12VDC, ball bearings, CE	513072000
MFB25B12A-000	SEPA ® Miniature fan, 25x25x6.5mm, 12VDC, ball bearings, FG, CE	512522010

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