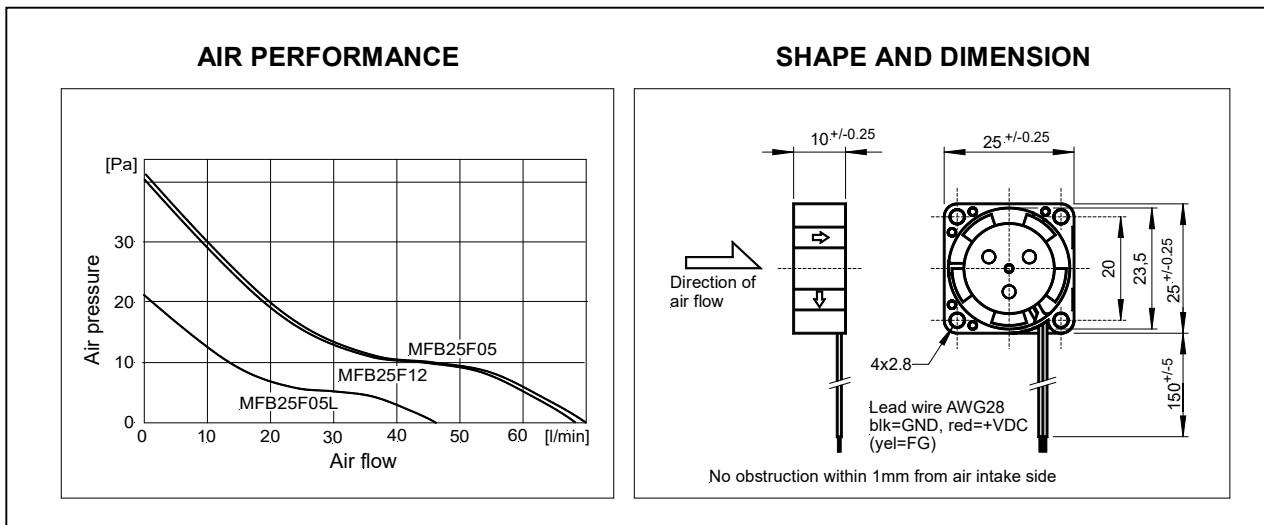


MFB25F Series

HIGH PERFORMANCE FAN



PERFORMANCE

CE		MFB25F05L-002 MFB25F05LA-002	MFB25F05-001 MFB25F05A-002	MFB25F12-001 MFB25F12A-005
Operating voltage	[VDC]	4.5 ... 5 ... 5.5		10.2 ... 12 ... 13.8
Typ. operating current	[mA]	90	100	70
Max. start current	[mA]	170	240	150
Max. air flow	[l/min-m ³ /h]	46 – 2.8	70 – 4.2	68 – 4.1
Max. air pressure	[Pa-mmH ₂ O]	22 – 2.2	40.0 – 4.2	39.9 – 4.1
Typ. noise (1m from air intake side)	[dB(A)]	21	26	26
Typ. rotor speed	[RPM]	78000	11000	11200
FG (...A)	[PPR]	2		
Operating temperature	[°C]	-40 ... +80		
Life expectancy L10/MTBF@ 40°C	[h]	70000/550000		
Bearing system		Ball bearings ZZ		
Weight	[g]	8		
Standard packing unit	[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.

Technical changes without notice • 03/19

MFB25F Series HIGH PERFORMANCE FAN



• ALARM SIGNAL (Optional)

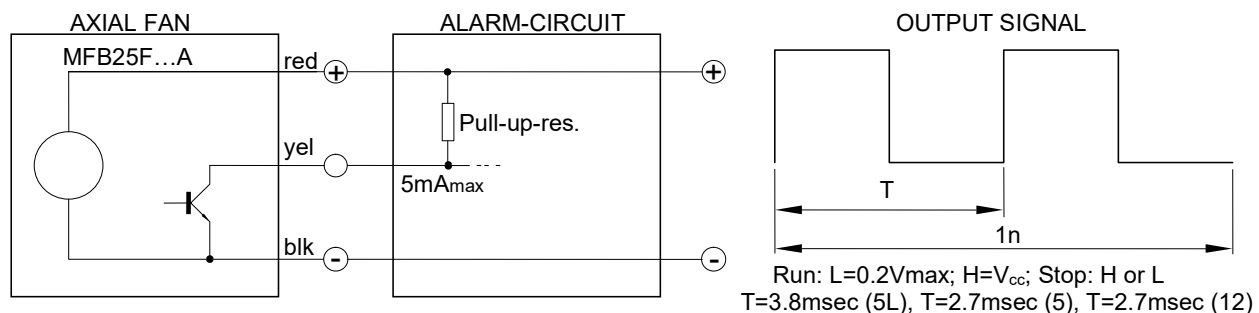
The **SEPA**® fans MFB25F...A include a pulse output, which allows monitoring the correct function of the fan.

The pulse is like a rectangular wave, the frequency correlates to 2x rotor speed. The amplitude appears periodically. At blocked rotor the output signal could be L ($\leq 0,1V$) 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 MFB25F... 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)

MFB25F05L-002	SEPA ® Miniature fan, 25x25x10mm, 5VDC, ball bearings, CE	512561100
MFB25F05LA-002	SEPA ® Miniature fan, 25x25x10mm, 5VDC, ball bearings, FG, CE	512561110
MFB25F05-001	SEPA ® Miniature fan, 25x25x10mm, 5VDC, ball bearings, CE	512561000
MFB25F05A-002	SEPA ® Miniature fan, 25x25x10mm, 5VDC, ball bearings, FG, CE	512561010
MFB25F12-001	SEPA ® Miniature fan, 25x25x10mm, 12VDC, ball bearings, CE	512562000
MFB25F12A-005	SEPA ® Miniature fan, 25x25x10mm, 12VDC, ball bearings, FG, CE	512562010

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