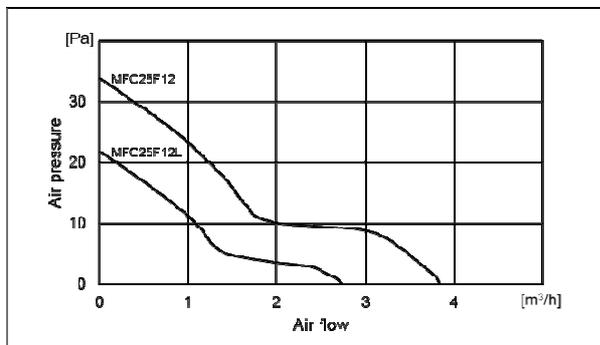


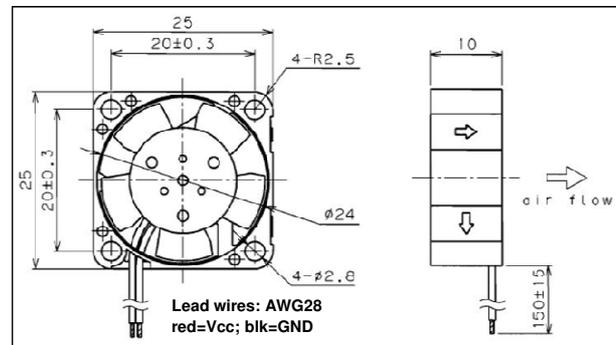
MFC25F12 Serie HIGH PERFORMANCE FAN



AIR PERFORMANCE



SHAPE AND DIMENSION



AIR PERFORMANCE

| CE | MFC25F12L-007 MFC25F12LA-000 | | MFC25F12-000 MFC25F12A-005 | |
|---|---------------------------------|----------------------------|-------------------------------|--|
| | Operating voltage | [VDC] 10.2 ... 12 ... 13.8 | | |
| Typ. Current | [mA] 60 | | 60 | |
| Typ. start current | [mA] 120 | | 140 | |
| Max. air flow | [l/min-m³/h] 45 - 2.4 | | 64 - 3.8 | |
| Max. air pressure | [Pa-mmH²O] 22 - 2.2 | | 34 - 3.5 | |
| Typ. noise (1m distance from air intake side) | [dB(A)] 19 | | 24 | |
| Typ. rotor speed | [RPM] 7800 | | 10000 | |
| FG (only ...A) | [PPR] 2 | | 2 | |
| Operating temperature | [°C] -10 ... +85 | | | |
| Life expectancy L10/MTBF@ 40°C | [h] 40000/210000 | | | |
| Bearing system | Magfix sleeve bearing | | | |
| Weight | [g] 8 | | 8 | |
| Standard packing quantity | [PCs.] 50-100-500 | | 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 of a mere 0.3 W, 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 and absolute reliability due to a 100% burn-in.

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MFC25F12 Serie HIGH PERFORMANCE FAN



• ALARM SIGNAL (Optional)

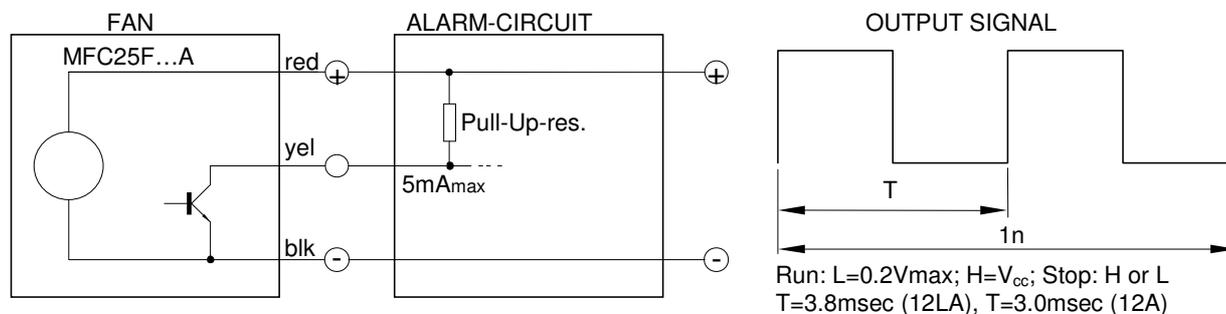
The **SEPA**® fans MFC25F12.A include a pulse output, which allows monitoring the correct function of the fan.

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 V_{cc} without pre-resistor. A pull-up-resistor is needed. Do not connect not used pulse output (insolate).

The fans MFB25F12... have tinned lead wire ends (without connector).

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



• ZUBEHÖR:

Connector: on request

• BESTELLDATEN (Delivery time on request)

| | | |
|----------------|--|-----------|
| MFC25F12L-007 | SEPA ® Miniature fan, 25x25x10mm, 12VDC, Magfix-sleeve bearing, CE | 502562100 |
| MFC25F12LA-000 | SEPA ® Miniature fan, 25x25x10mm, 12VDC, Magfix-sleeve bearing, FG, CE | 111111260 |
| MFC25F12-007 | SEPA ® Miniature fan, 25x25x10mm, 12VDC, Magfix-sleeve bearing, CE | 111111255 |
| MFC25F12A-000 | SEPA ® Miniature fan, 25x25x10mm, 12VDC, Magfix-sleeve bearing, FG, CE | 111111259 |

SEPA® ist der Markenname für Lüfter und CPU-Cooler, hergestellt von Nippon Keiki Works LTD., Tokyo

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