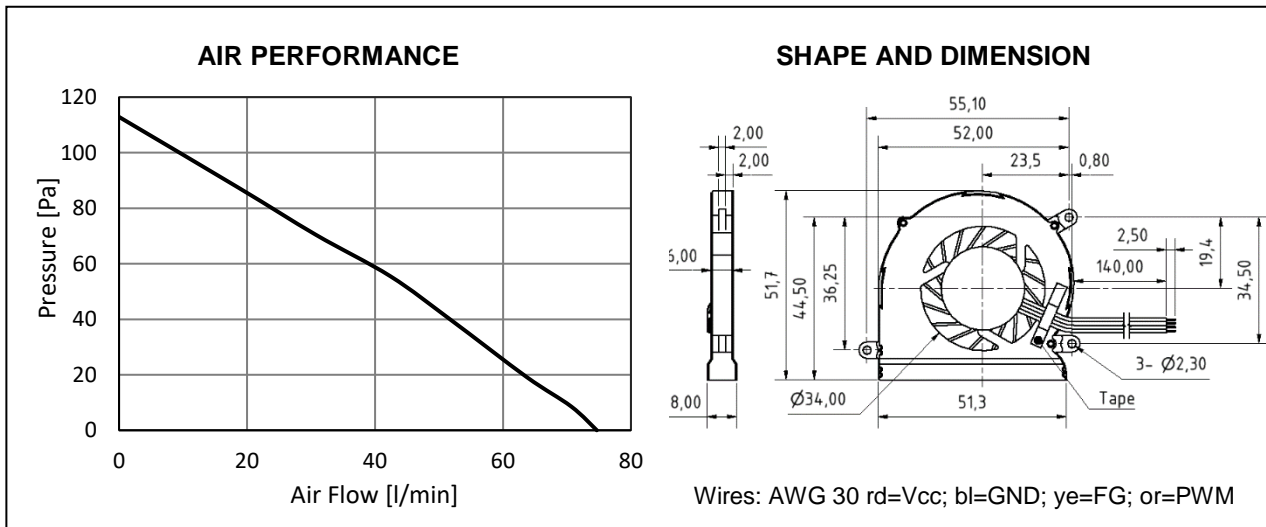


HY52A05

Eco Fan



PERFORMANCE

CE		HY52A05PSE25B
Operating voltage	[VDC]	4.5 ... 5 ... 5.5
Typ. operating current	[mA]	130
Max. start current	[mA]	400
Max. air flow	[l/min – m ³ /h]	75 – 4.5
Max. pressure	[Pa – mmH ₂ O]	113 – 11.5
Typ. noise (1m dist. from air intake side)	[dB(A)]	33
Typ. rotor speed	[min ⁻¹]	5700
FG	[Imp/rotation]	2
PWM-Input voltage	[VDC]	2.5 ... Vcc
Operating temperature	[°C]	-10 ... +60
Life expectancy L10/MTBF@ 40°C	[h]	50000/400000
Bearing system		Magfix sleeve bearing
Weight	[g]	17
Packing unit	[St.]	50-100-500

Technical changes without notice • 07.10.19

HY52A05

Eco Fan

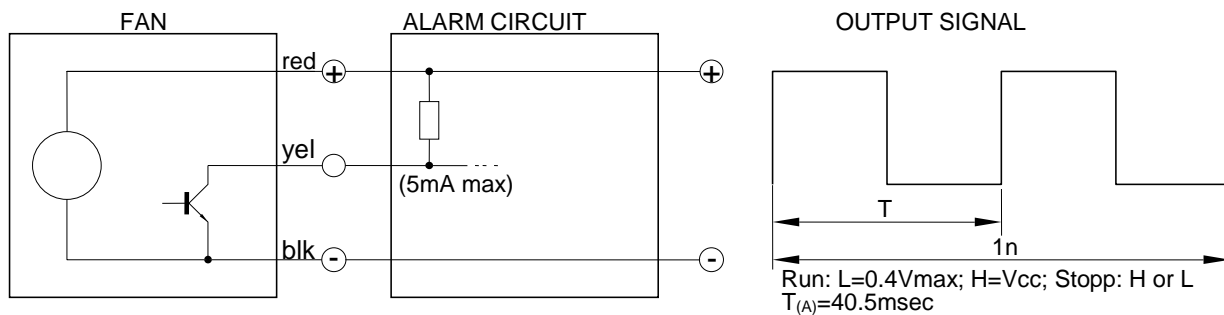


• ALARM SIGNAL

The **SEPA**® fan HY52A05PSE25B 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 ($\leq 0,3V$) or H (5 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 not needed. Do not connect not used pulse output (insolate).



• PWM

The **SEPA**® fans HY52A05PSE25B includes a TTL compatible PWM control input:

- L=0...0.7 V_{max}; H=2.5...V_{cc}
- f=23 kHz
- Pulse width modulation 30...100%
- Duty cycle minimum 35%
- If fan power supply is off, do not input control signals into the PWM terminal!

The fans HY52A05PSE25B have tinned lead wire ends (without connector).

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

• ACCESSORIES

Connector: on request

• ORDER INFORMATION

HY52A05PSE25B **SEPA**® Radial fan, 52x52x8mm, 5VDC, Magfix sleeve bearing, Tacho, PWM, CE 11111532

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