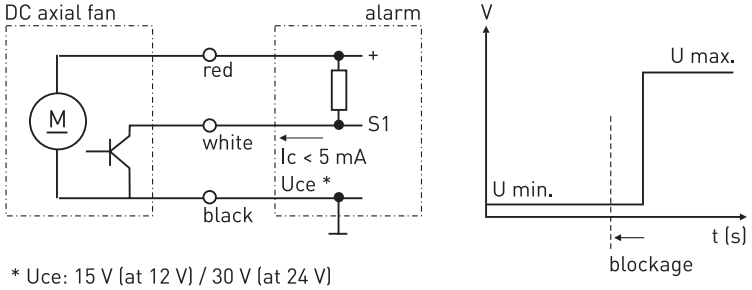
Options

DC axial fans and blowers

Manufacturer NMB

Signal for blockage

The „blockage" function is polled using an additional connection to the fan via the open collector and a pull-up resistor.
This signal is automatically reset on restart. Normally a blockage will cause a „HIGH" signal.
(Axial fans with inverted „LOW" blockage signal available on request)

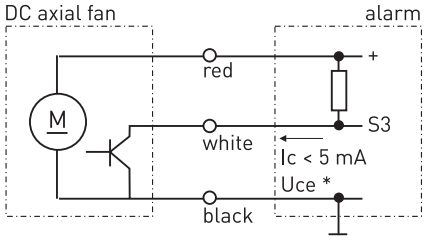


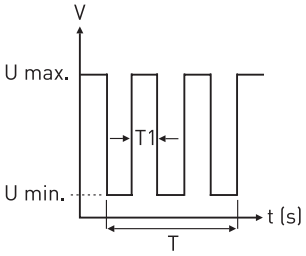
* Uce: 15 V (at 12 V) / 30 V (at 24 V)

Example of order number: 02025SA-12N-E**L**-D0

Tachosignal

A speed-dependent tachosignal is polled via an additional connection to the fan via the open collector and a pull-up resistor.
One rotation causes two impulses.





* Uce: 15 V (at 12 V) / 30 V (at 24 V)

$T_1 = {}^{60}/_{4}$ x n (n = rotational speed in rpm)

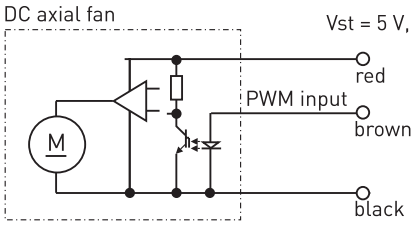
Example of order number: 02025SA-12N-E**T**-D0

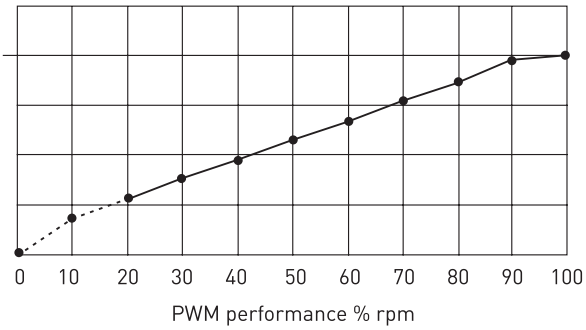
PWM signal

A PWM signal (puls width modulation) with 5 V amplitude is needed to regulate the axial fan speed. Normally the frequency is 25 kHz.

Vst = 0-0,5 V / 0 % rpm
Vst = 4-5 V / up to 100 % rpm
Vst = open / 100 % rpm

The speed regulation is mostly proportional.
(Customized adaptations available on request)





f (controllable from 20-30 % / 20-30 % up to 90 % linear / 90-100 % constant)