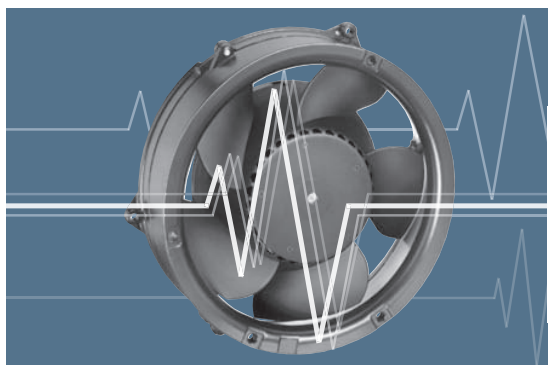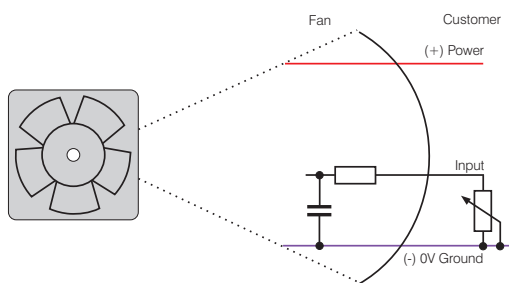# Speed setting
with control voltage or PWM A PWM

– The control variable is a PWM signal or analogue control voltage.
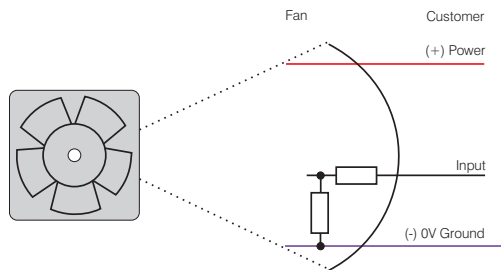
Speed setting via control voltage Type A
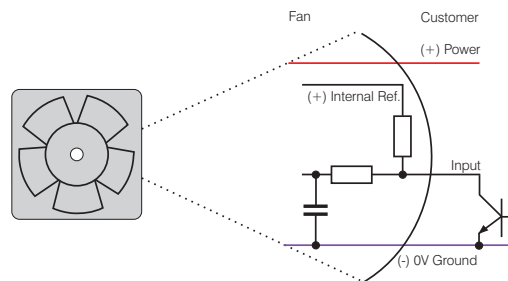
– Standard control range 0 ... 5 V.

Fan   Customer

(+) Power

Input

(-) 0V Ground

– Optional control range 0 ... 10 V.

Fan   Customer

(+) Power

Input

(-) 0V Ground

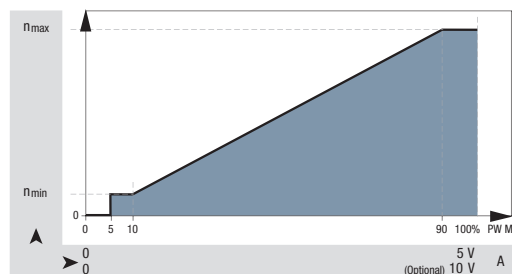## Speed setting via PWM Type P

– Standard PWM signal in 2 versions
   a) PWM frequency 2kHz (0-100%), Open collector input
   b) 4-Wire interface to Intel specification for 12 VDC fan,
       PWM frequency 20 kHz, incl. speed signal /2

Fan   Customer

(+) Power

(+) Internal Ref.

Input

(-) 0V Ground

Standard curve P / A

n max

n min

0   5 10   90 100% PWM

0   5 V
0   (Optional) 10 V   A

Optional – selectable curve P / A

n max

n min

0   100 %   PWM

0   5 V
0   (Optional) 10 V   A

ebmpapst

Information

DC axial fans

DC centrifugal fans

DC fans - specials

ACmaxx / i-maxx

AC axial fans

AC centrifugal fans

Accessories

Representatives