

G1G108-AB17-02

# EC centrifugal fan with housing (small flange)

forward curved, single inlet



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## Nominal data

Type	G1G108-AB17-02	
Motor	M1G055-BD	
Nominal voltage	[VDC]	24
Nominal voltage range	[VDC]	16 .. 28
Frequency	[Hz]	-
Type of data definition		rfa
Speed	[min <sup>-1</sup> ]	3000
Power input	[W]	42
Current draw	[A]	2.0
Max. ambient temperature	[°C]	60
Air flow	[m <sup>3</sup> /h]	200
Back pressure	[Pa]	0

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations

# EC centrifugal fan with housing (small flange)

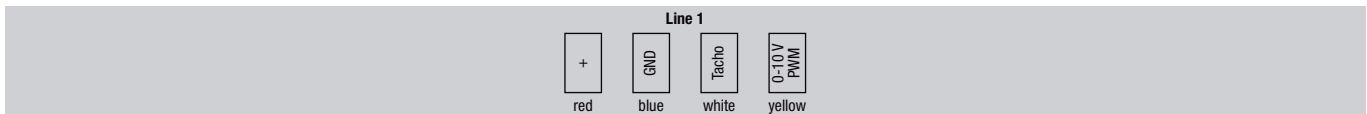
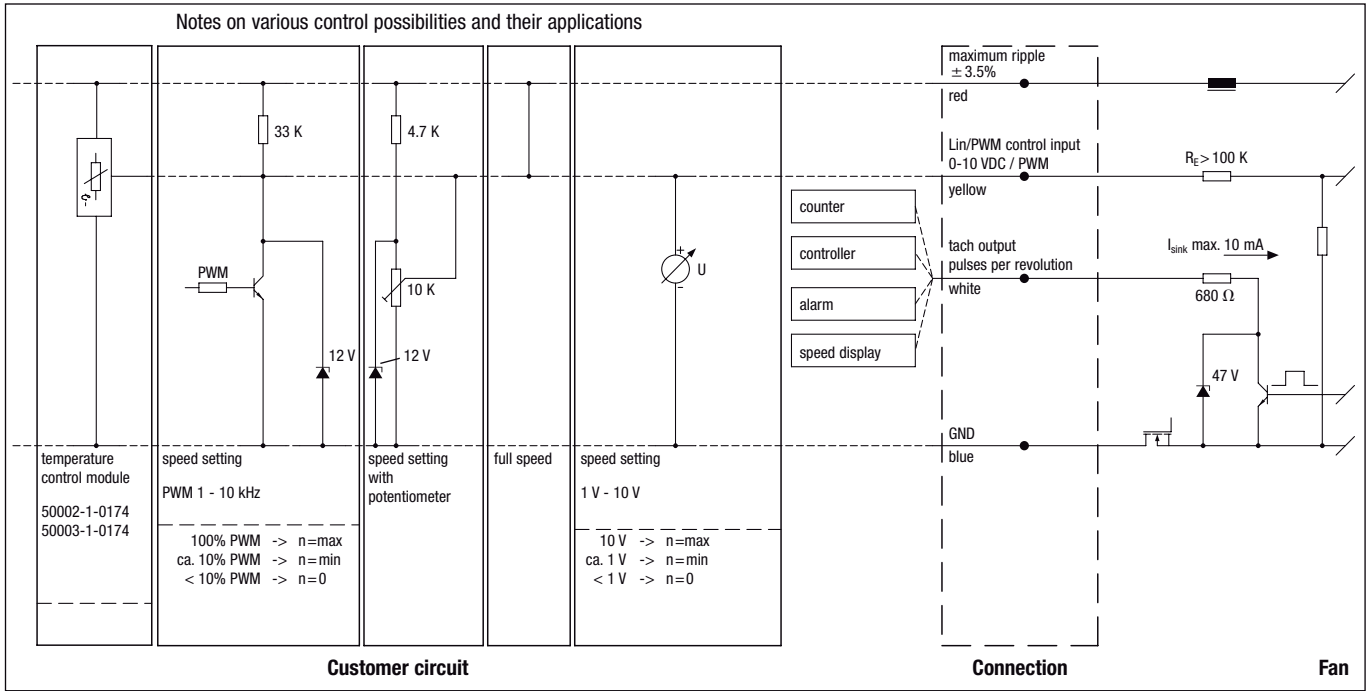
forward curved, single inlet

## Technical features

<b>Leakage current</b>	<= 0,25 mA
<b>General description</b>	Integrated electronics
<b>Size</b>	108 mm
<b>Operation mode</b>	Continuous operation (S1)
<b>Mounting position</b>	Mounting position: Any; condensate discharge holes: none
<b>Direction of rotation</b>	Clockwise, seen on rotor
<b>Insulation class</b>	"B"
<b>Cable exit</b>	Axial
<b>Bearing-motor</b>	Ball bearing
<b>Mass</b>	1.4 kg
<b>Material of electronics housing</b>	Rotor: Coated in black
<b>Material of impeller</b>	Hot-dip galvanized sheet steel
<b>Motor protection</b>	Reverse polarity and locked-rotor protection
<b>Type of protection</b>	IP 22
<b>Protection class</b>	I
<b>Technical features</b>	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
<b>Approval</b>	CSA C22.2 Nr.77; UL 1004

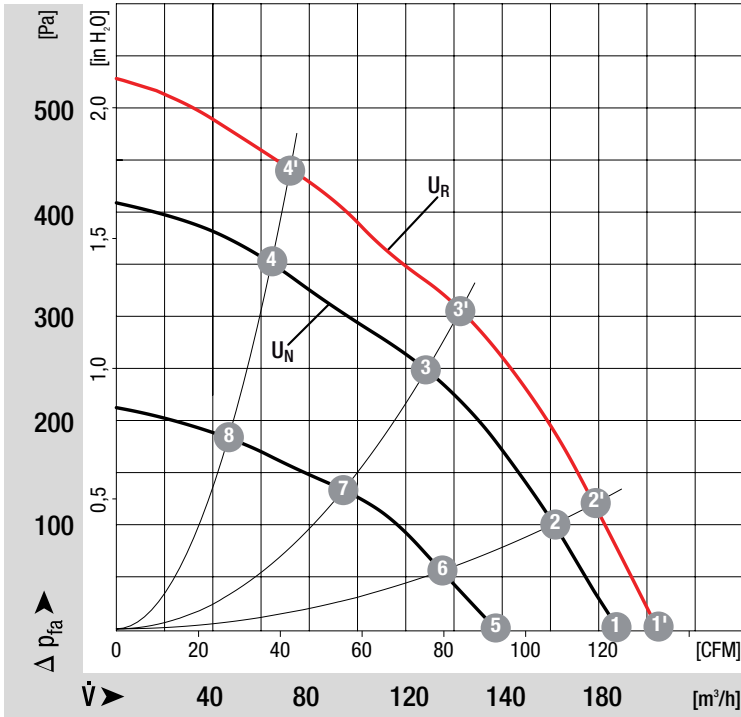


## Connection screen



Line	Signal	Colour	Assignment / function	Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple $\pm 3.5\%$	1	Tacho	white	Tach output: pulses per revolution
	GND	blue	GND		0-10 V / PWM	yellow	Control input

Charts: Air flow



	n	P <sub>1</sub>	η <sub>TL</sub>
	[min <sup>-1</sup> ]	[W]	[%]
1'	3230	55	
2'	3410	52	33
3'	3800	43	41
4'	4100	35	33
1	3000	42	
2	3140	40	33
3	3420	32	41
4	3690	26	33
5	2300	20	
6	2380	17	33
7	2550	14	41
8	2720	11	33