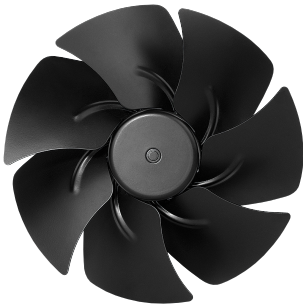


**ebm-papst Mulfingen GmbH & Co. KG**

Bachmühle 2

74673 Mulfingen

Phone: +49 7938 81-0

Fax: +49 7938 81-110

www.ebmpapst.cominfo1@de.ebmpapst.com**Nominal data**

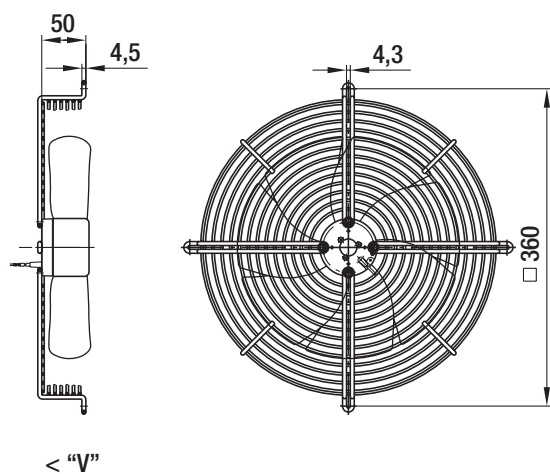
Type	S1G300-AE19-54	
Motor	M1G074-CF	
Nominal voltage	[VDC]	24
Nominal voltage range	[VDC]	16 .. 28
Type of data definition		rfa
Speed	[min ⁻¹]	1800
Power input	[W]	90
Current draw	[A]	4,0
Max. ambient temperature	[°C]	60
Air flow	[m ³ /h]	2450
Back pressure	[Pa]	0
Sound pressure level	[dB(A)]	65

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

Technical features

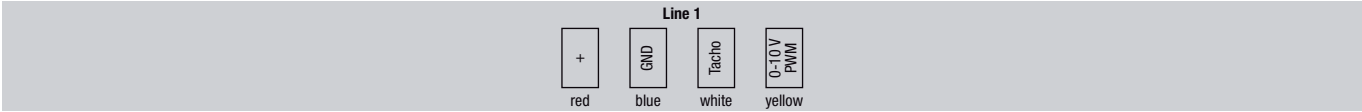
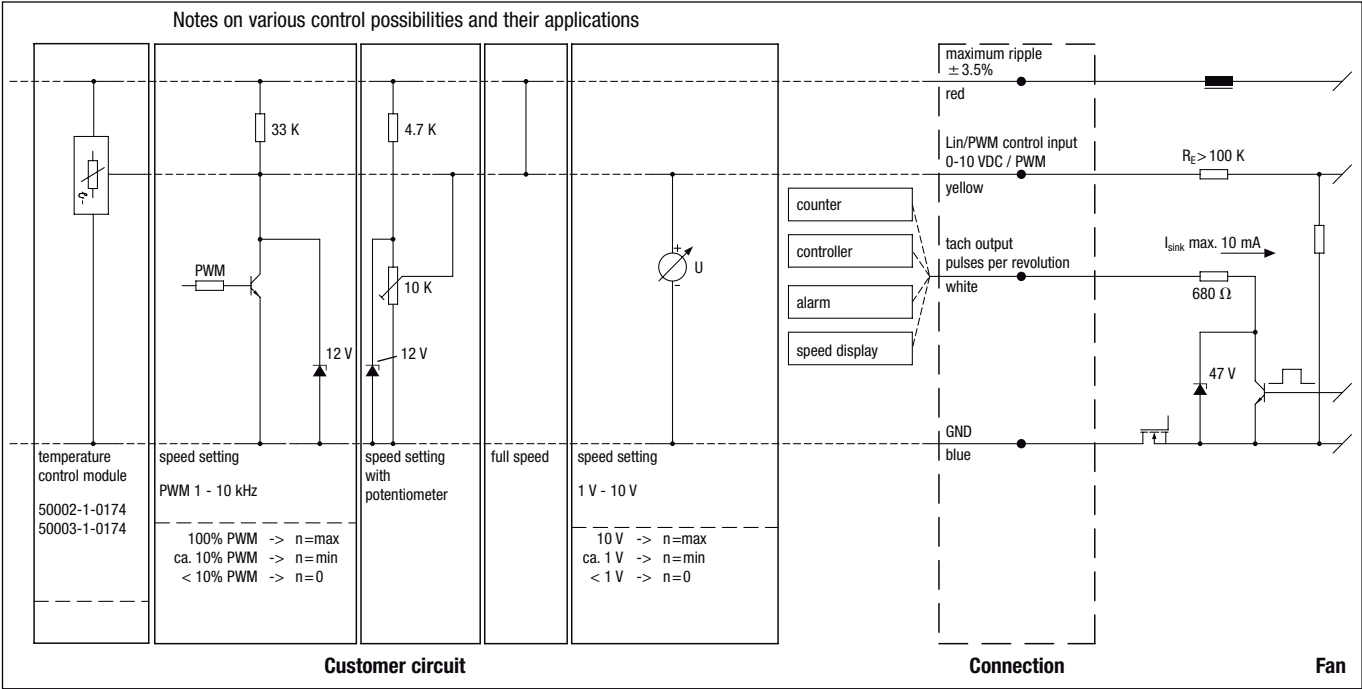
Size	300 mm
Operation mode	Continuous operation (S1)
Direction of rotation	"V"
Mounting position	Any
Insulation class	"B"
Cable exit	Lateral
Bearing motor	Ball bearing
Mass	2.2 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	Sheet steel, coated in black
Motor protection	Reverse polarity and locked-rotor protection
Number of blades	7
Type of protection	IP 42
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
Approval	CSA C22.2 Nr.77; UL 1004

Product drawing



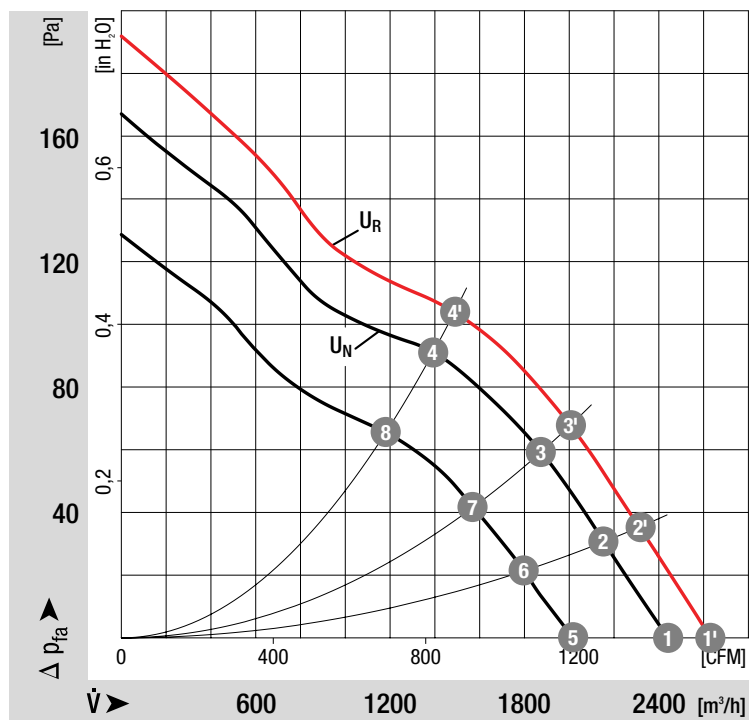
EC axial fan with guard grille for short nozzle
sickled blades (S series)

Connection screen



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

Charts: Air flow



Measured values

	n	P ₁	η _{TL}
	[min ⁻¹]	[W]	[%]
1'	1940	108	
2'	1850	111	71
3'	1790	113	71
4'	1720	116	60
1	1800	90	
2	1720	89	71
3	1670	91	71
4	1600	93	60
5	1480	49	
6	1440	52	71
7	1400	55	71
8	1350	58	60

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