

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Limited partnership · Headquarters Mulfingen

County court Stuttgart · HRA 590344

General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen

County court Stuttgart · HRB 590142

Nominal data

Type	W2G107-AD01-13	
Motor	M2G045-BA	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 16
Type of data definition		fa
Speed	min ⁻¹	2800
Power input	W	3.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	+72

ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit

Subject to alterations

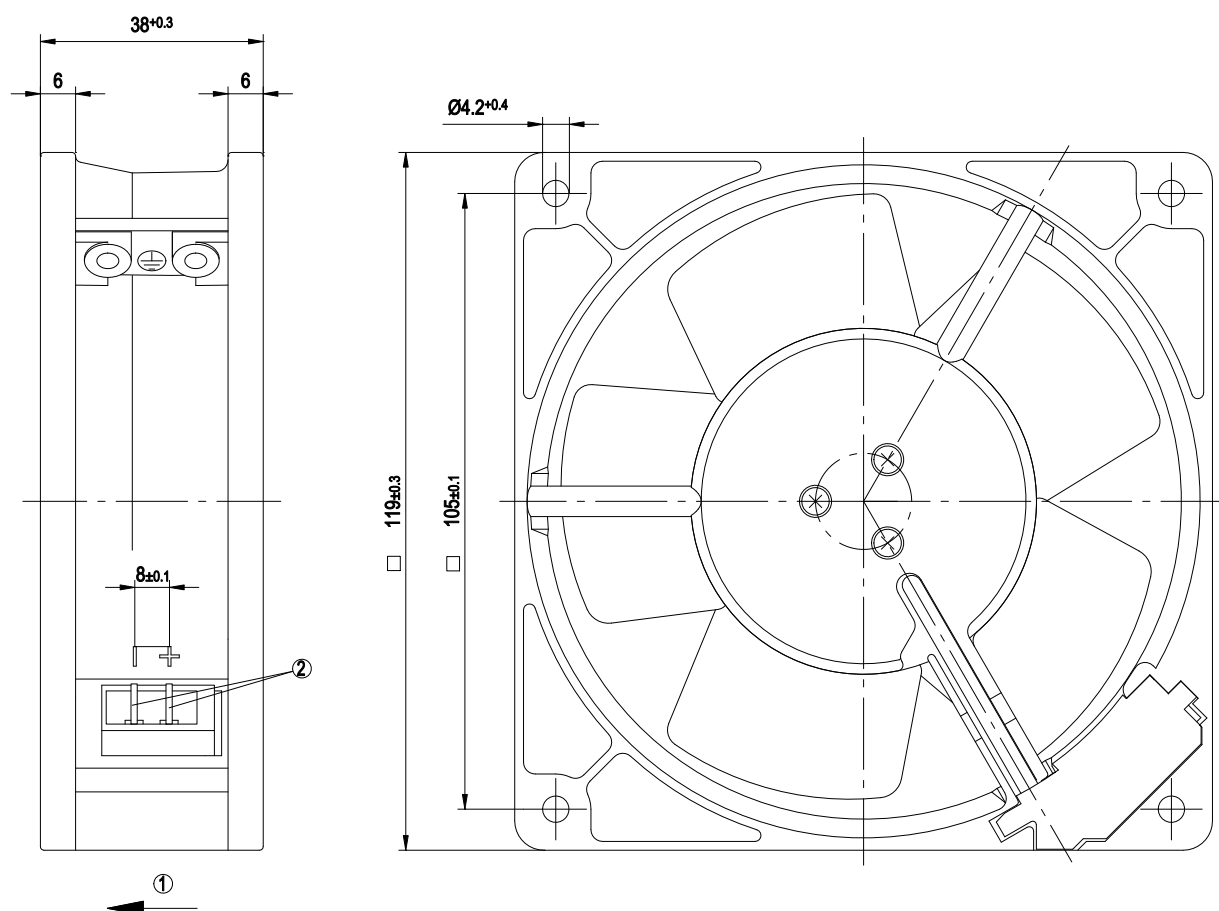


Technical features

Mass	0.6 kg
Size	107 mm
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
Insulation class	"B"
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 25 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Electrical leads	With plug
Motor protection	Reverse polarity and locked-rotor protection
Approval	UL 507; CSA C22.2 Nr.113

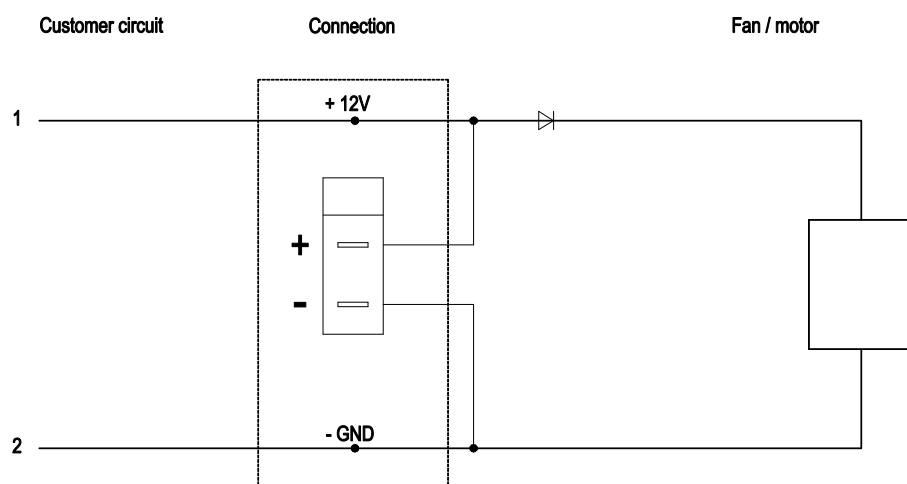


Product drawing



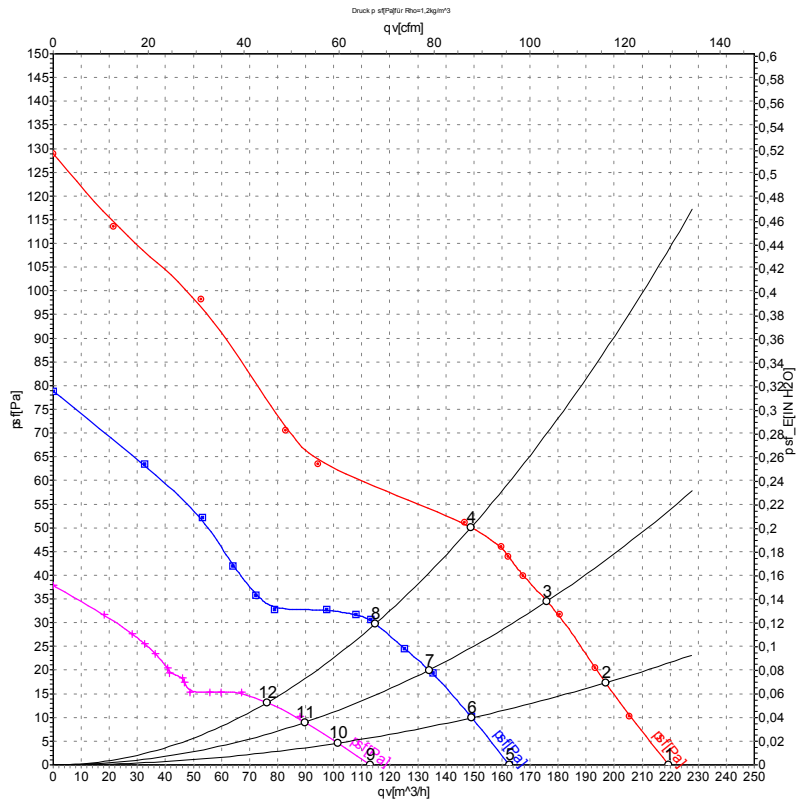
- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | 2 x flat plugs 2.8x0.5 (AMP no. 170058-2) |

Connection screen



Line	No.	Signal	Colour	Function / assignment
1	1	UN +12V	red	Power supply +12 V/voltage range refer to rating plate, residual ripple $\pm 3.5\%$
1	2	GND	blue	Reference mass

Charts: Air flow



Measurement: LU-9328
 Measurement: LU-9326
 Measurement: LU-9327

Air performance measured as per ISO 5801
 Installation category A. For detailed
 information on the measuring set-up, please
 contact ebm-papst. Suction-side noise
 levels: L_{WA} measured as per ISO 13347 /
 L_{pA} measured with 1m distance to fan axis.
 The values given are valid under the
 measuring conditions mentioned above and
 may vary according to the actual installation
 situation. With any deviation from the
 standard set-up, the specific values have to
 be checked and reviewed with the unit
 installed.

Measured values

	U	n	P _e	I	qv	p _{sf}
	V	min ⁻¹	W	A	m³/h	Pa
1	16	3800	7.0	0.44	220	0
2	16	3690	7.3	0.46	195	17
3	16	3600	7.7	0.49	175	35
4	16	3520	8.1	0.50	150	50
5	12	2875	3.5	0.29	165	0
6	12	2815	3.7	0.31	150	10
7	12	2755	4.0	0.34	135	20
8	12	2715	4.3	0.36	115	30
9	8	1900	1.40	0.17	115	0
10	8	1860	1.49	0.19	100	5
11	8	1820	1.59	0.20	90	10
12	8	1800	1.60	0.20	75	13

Mouser Electronics

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