W2G115-AE31-15

EC axial compact fan

sickled blades (S series), single inlet

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	**W2G115-AE31-15**	
Motor	**M2G045-BA**	
Nominal voltage	VDC	24
Nominal voltage range	VDC	18 .. 30
Type of data definition		fa
Speed	min^{-1}	3100
Power input	W	5.7
Max. back pressure	Pa	35
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

EC axial compact fan

sickled blades (S series), single inlet

Technical features

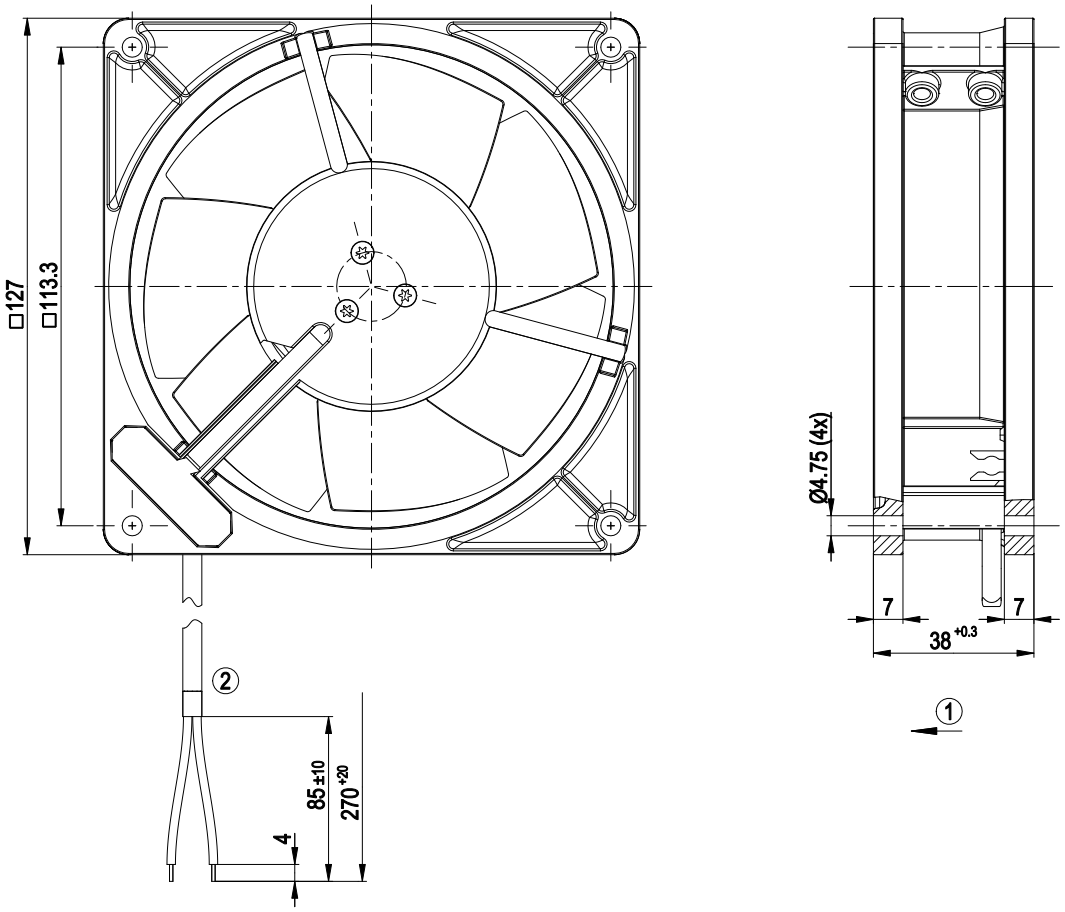
Mass	0.54 kg
Size	115 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Housing material	Die-cast aluminium, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Tach output - Over-temperature protected motor
Motor protection	Reverse polarity and locked-rotor protection
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1
Approval	UL 507; CSA C22.2 Nr.113

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

EC axial compact fan

sickled blades (S series), single inlet

Product drawing



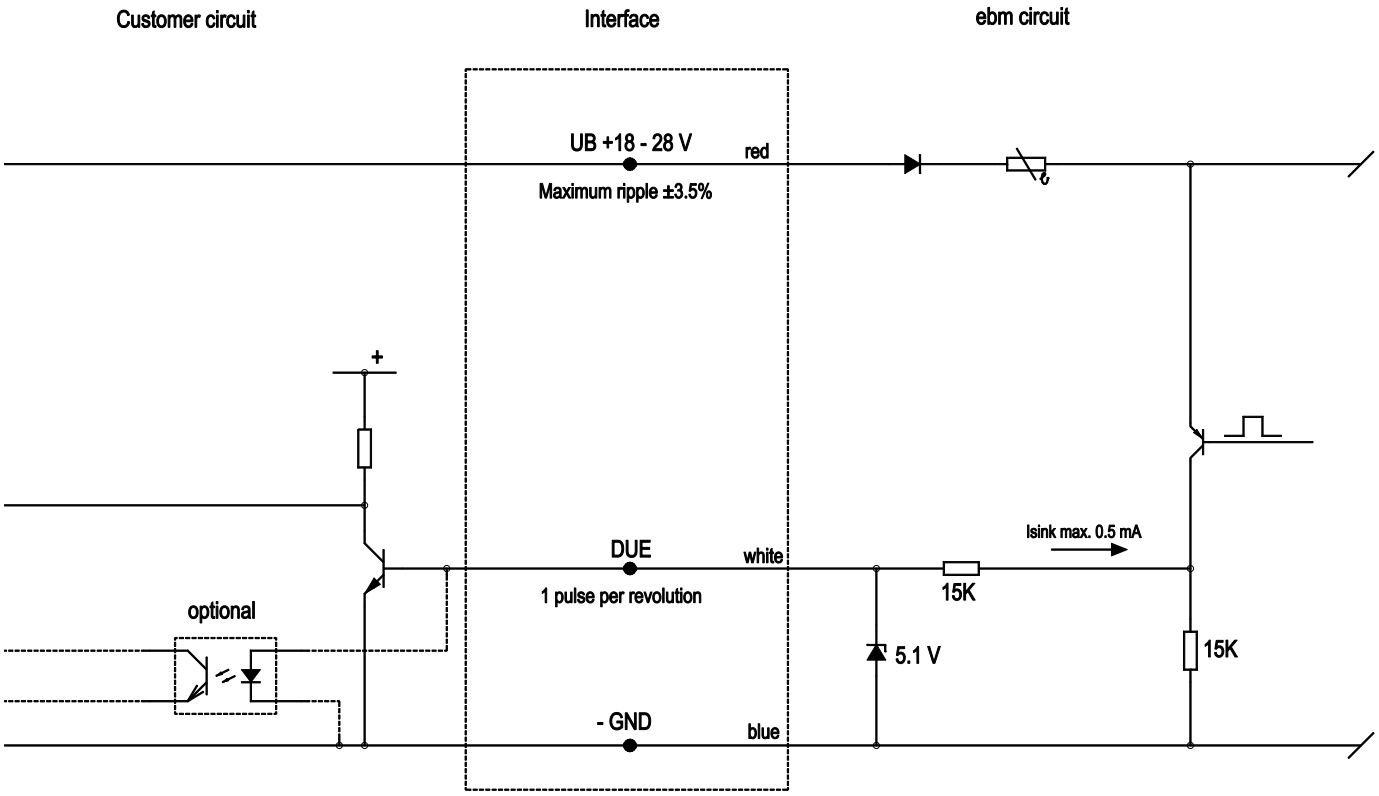
1	Direction of air flow "V"
2	Connection line AWG22 -300V, 3x tin-plated lead tips

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

EC axial compact fan

sickled blades (S series), single inlet

Connection screen

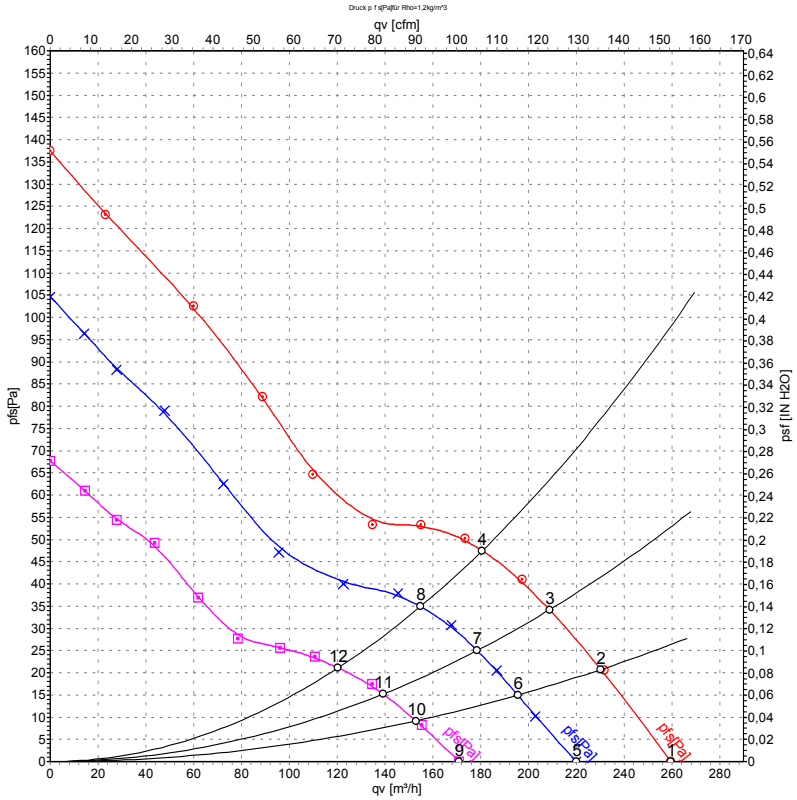


ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

EC axial compact fan

sickled blades (S series), single inlet

Charts: Air flow



Measurement: LU-35871
Measurement: LU-35870
Measurement: LU-35872

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: LwA measured as per ISO 13347 / LpA 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_{ed}	I	qv	p_{fs}
	V	min^{-1}	W	A	m^3/h	Pa
1	30	3870	11	0.40	260	0
2	30	3730	12	0.43	230	21
3	30	3630	13	0.45	210	34
4	30	3535	13	0.46	180	48
5	24	3300	7.0	0.31	220	0
6	24	3170	7.6	0.33	195	15
7	24	3095	7.9	0.34	180	25
8	24	3035	8.1	0.36	155	35
9	18	2590	3.5	0.20	170	0
10	18	2505	3.8	0.22	155	9
11	18	2450	3.9	0.23	140	15
12	18	2410	4.1	0.23	120	21

U = Supply voltage · n = Speed · P_{ed} = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for EC Fans ***category:***

Click to view products by ebm papst ***manufacturer:***

Other Similar products are found below :

N43-45001 ACi4400H ACi4400L 3238.500 3241.500 CF4113MBL-000U-AE9 ACi4400HH 8218J/2H3 AC4300H ACi4410HH ACi4420HH ACI4420ML W1G200-EF01-01 W1G230-EB97-01 W1G250-BB17-01 W3G250-CD54-01 W3G280-EQ08-44 W3G280-EQ20-43 FMA1-06025WBHW12 FMA1-08025WBHT12 FMA1-08025WBHW12 FMA1-08038WBHT12 FMA1-09225WBHT12 FMA1-09225WBHW12 FMA1-09238WBHT12 FMA1-09238WBHW12 FMA1-12025WBHT12 FMA1-12025WBHW12 FMA1-12038WBHT12 FMA1-12038WBHW12 FMA1-12038WBJW12-A FMA1-17251WBHW32 CF4113HBL-000U-AB9 CF4113LBL-000U-AB9 CF4113MBL-000U-AB9 W1G250-BB21-01 W2G107-AD01-13 W2G107-AD03-13 W1G200-EA95-68 CF4113LBT-000U-A99 CF4113MBL-000U-AA9 CF4113MBT-000U-A99 CF4113LBL-000U-AA9 CF4113MBT-000U-AA9 CF4113LBT-000U-AA9 CF4113MBT-000U-AB9 CF4113MBL-000U-A99 CF4113HBT-000U-AA9 CF4113LBT-000U-AB9 CF4113HBT-000U-A99