EC twin-centrifugal blowers

with brushless DC-motor, Ø 097

- **Material:** scroll housing made of plastic PP - colour: black (corresponding to UL 94 HB), impeller made of sheet steel, aluminium zinc surface
- **Connector plug:** AMP Junior Power Timer, 6-pole, coded; connection lead (450 mm) with mating plug (part no. 02001-4-1021, not included)
- **Bearings:** maintenance-free ball bearings on both sides
- **Motor protection:** over-temperature protection, reverse battery and locked-rotor protection, load dump, under-voltage detection
- **EMC directives:** VDE 0879-2, interference suppresion grade 5
- **Insulation class:** "B" according to EN 60335-1
- **Type of protection:** IP 24 KM (without plug)

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Nominal data

Type	Motor	Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Noise level	Perm. amb. temp.	Mass
			VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	°C	kg
K3G 097-AA24 -90[1][3]	M3G074-CF	1	13	9-15	920	3280	245	20,40	---	70	2,4
K3G 097-AA18 -06[2]	M3G074-CF	2	26	19-31	775	2830	133	5,10	66	70	2,4
K3G 097-AA12 -03[2]	M3G074-CF	3	26	19-31	1035	3700	320	12,20	73	70	2,4

subject to alterations

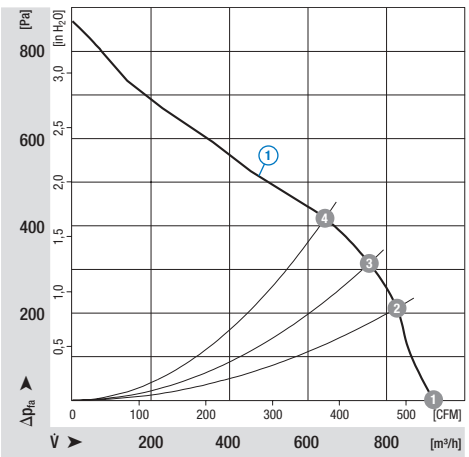
[1] 12 V variant [2] 24 V variant [3] Presently, only samples are available. Serial production expected for mid-2004.

		n [min⁻¹]	P_1 [W]	η_{ges} [%]	Lp_A [dBA]
1	1	3280	245	25	---
1	2	3450	230	40	---
1	3	3630	215	46	---
1	4	3870	200	48	---

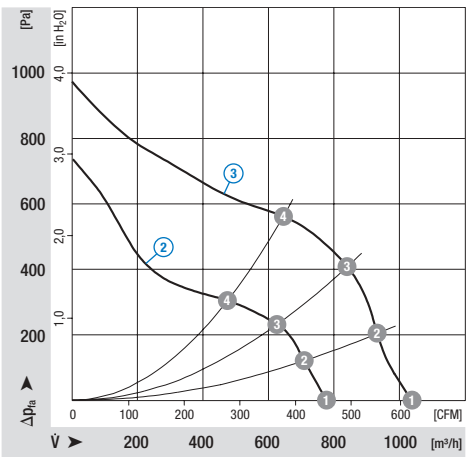
		n [min⁻¹]	P_1 [W]	η_{ges} [%]	Lp_A [dBA]
2	1	2830	133	28	66
2	2	2910	124	39	66
2	3	3080	110	52	59
2	4	3280	94	49	59

		n [min⁻¹]	P_1 [W]	η_{ges} [%]	Lp_A [dBA]
3	1	3700	320	29	73
3	2	3810	300	36	73
3	3	4060	270	52	66
3	4	4440	240	51	67

Characteristics



Characteristics



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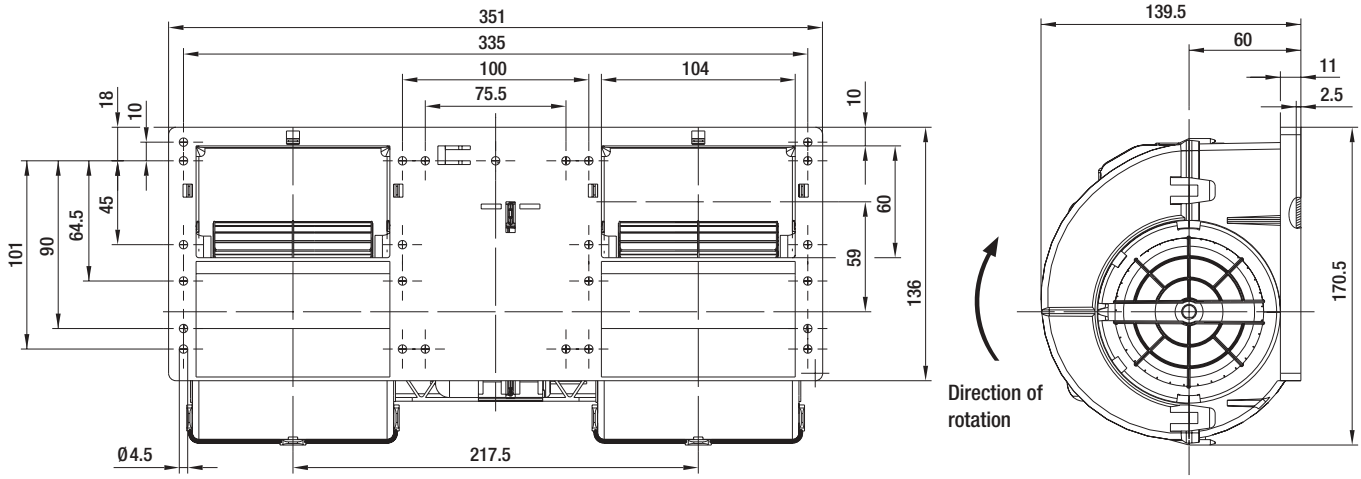
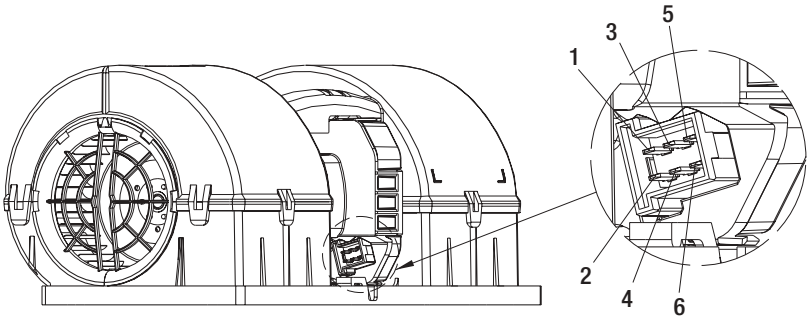


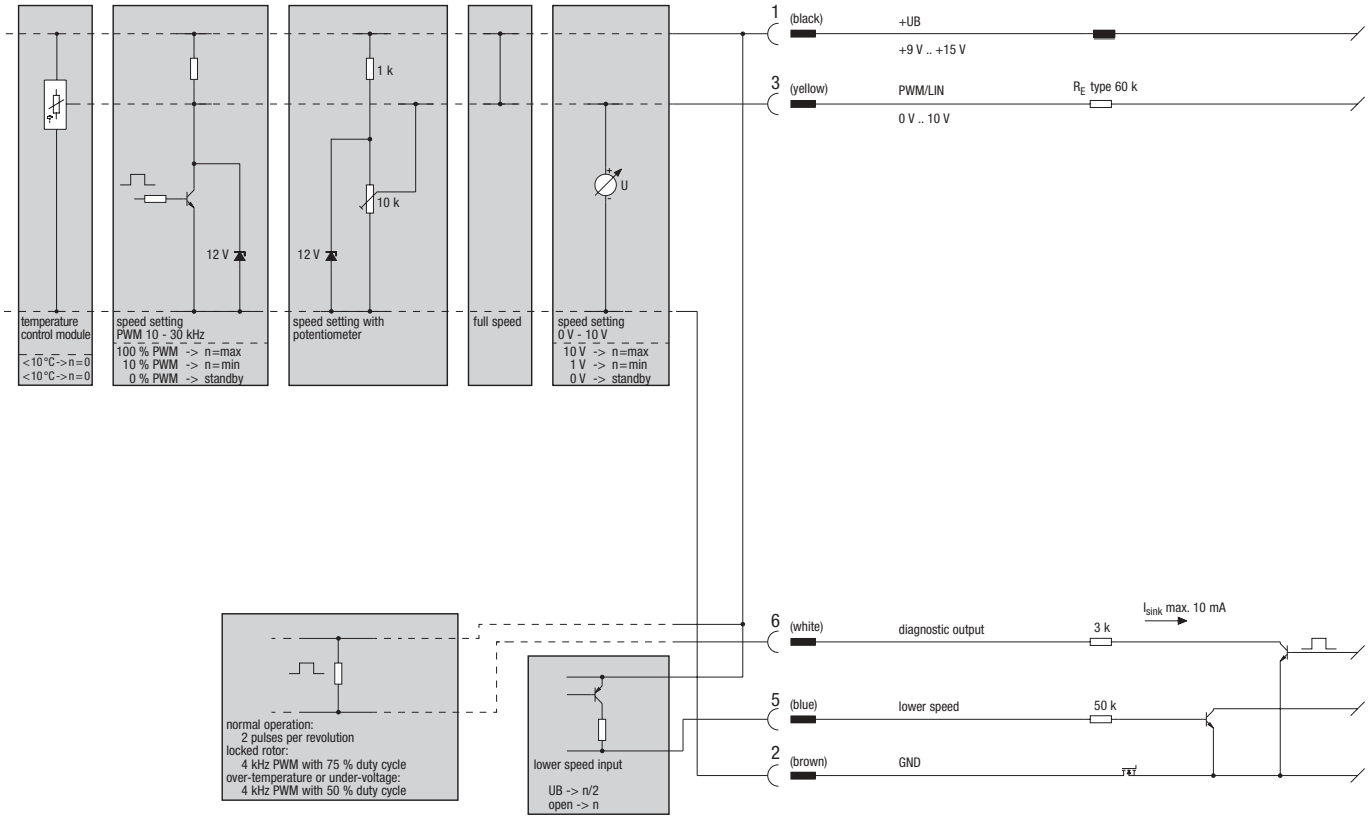


View

1 =	+UB	black
2 =	GND	brown
3 =	PWM/LIN	yellow
4 =	inverse linear	orange (not with ①)
5 =	lower speed	blue
6 =	diagnostic output	white

Interface for 12 VDC

various control possibilities and their applications



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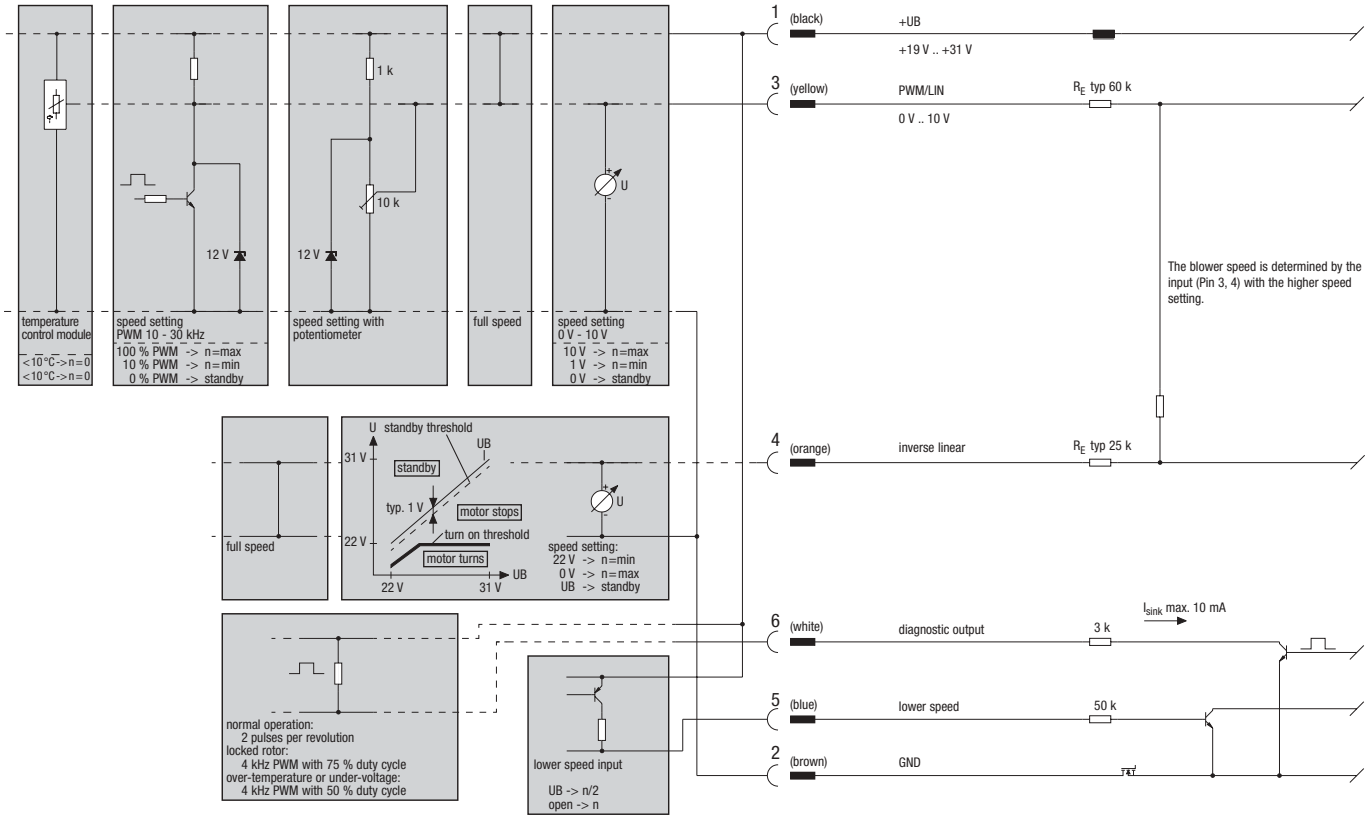
Interface for 24 VDC

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