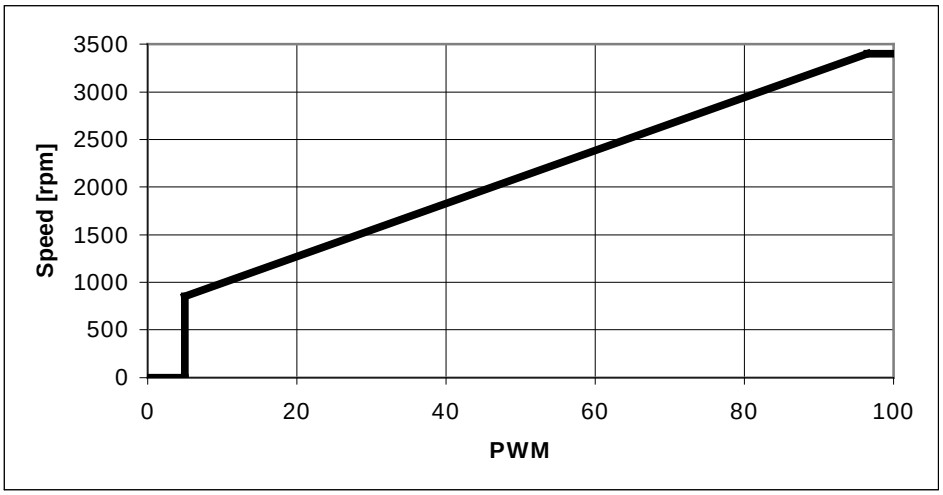
DC axial fan

6448/2P-30219/A01



DESCRIPTION	COMMENT	VALUE	UNIT
ELECTRICAL DATA			
NOMINAL VOLTAGE		48	V
VOLTAGE RANGE		36.....72	V
VOLTAGE SLEW RATE	dU / dt	100	V / s
NOMINAL CURRENT	@ V nom 100% PWM	335	mA
INRUSH CURRENT	@ V nom 100% PWM (Typ. 9.7 A) d002.plt	14.5	A
STARTUP CURRENT	@ V nom 100% PWM	0.6	A
MAXIMUM CURRENT	CURRENT LIMITATION about 1.7 A max	1	A
NOMINAL POWER CONSUMPTION	@ V nom 100% PWM	17	W
NOMINAL SPEED	@ V nom 0 ... 100% PWM	0 ... 3400	rpm
SPEED TOLERANCE	@ V nom 100% PWM	7.5	%
OPERATING TEMPERATURE RANGE		-20.....+72	°C
STORAGE TEMPERATURE RANGE		-40.....+80	°C
WEIGHT		780	g
DEGREE OF PROTECTION		20	IP
REVERSE VOLTAGE PROTECTION	YES	max. 10	mA
LOCKED ROTOR PROTECTION	BLOCKIERSCHUTZTAKTUNG d005.plt	0.5 / 5	sec.
CONTROL INPUT	PWM	0.....100	%
ENHANCED CONFIGURATION	PWM FREQUENCY RANGE	1.000 - 10.000	Hz

PWM - SPEED GRAPH

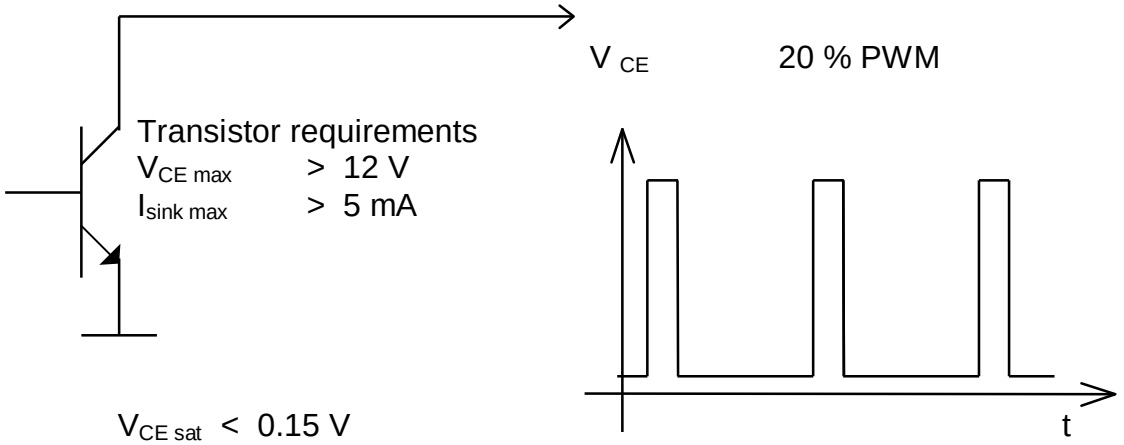


ebmpapst

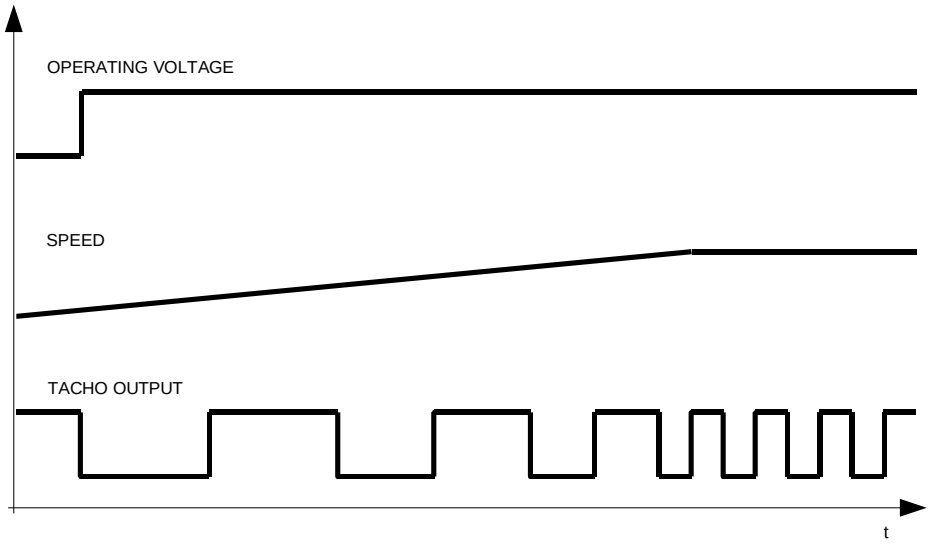
PWM input signal: open collector
f ≈ 1 ... 10 kHz
f_{nom} = 2 kHz

Customer interface :

to fan speed control (violet lead)



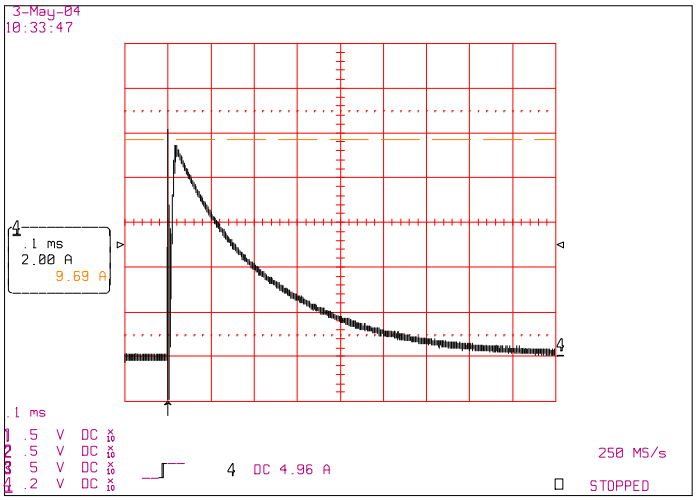
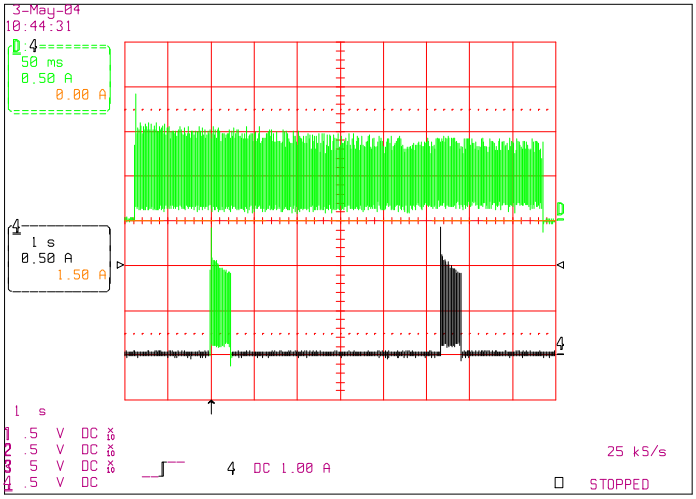
DESCRIPTION	COMMENT	VALUE	UNIT
TACHO SIGNAL			



TACHO TYPE	/2 (Open collector)		
TACHO OPERATING VOLTAGE		0....60	V
TACHO NOMINAL VOLTAGE			V
TACHO SUPPLY VOLTAGE RANGE		.....	V
TACHO LOW LEVEL	I_{SINK} = 2mA	⩽ 0,4	V
TACHO HIGH LEVEL	I_{SOURCE} = 0mA	....	V
MAXIMUM SINK CURRENT		⩽ 20	mA
MAXIMUM SOURCE CURRENT			mA
FREQUENCY OF TACHO	(2 x n) / 60	28 ... 113	Hz
TACHO ISOLATED FROM MOTOR	NO		

CONNECTION

LEAD TYPE		22	AWG
LENGTH	+/- 10mm	450	mm
CONNECTOR	NO		
CONTACTS			
HOUSING			
LEAD COLOR	RED	+ 48 V	Ub
	BLUE	0 V	GND
	VIOLET	Speed control	PWM
	WHITE	Tacho open collector	/2

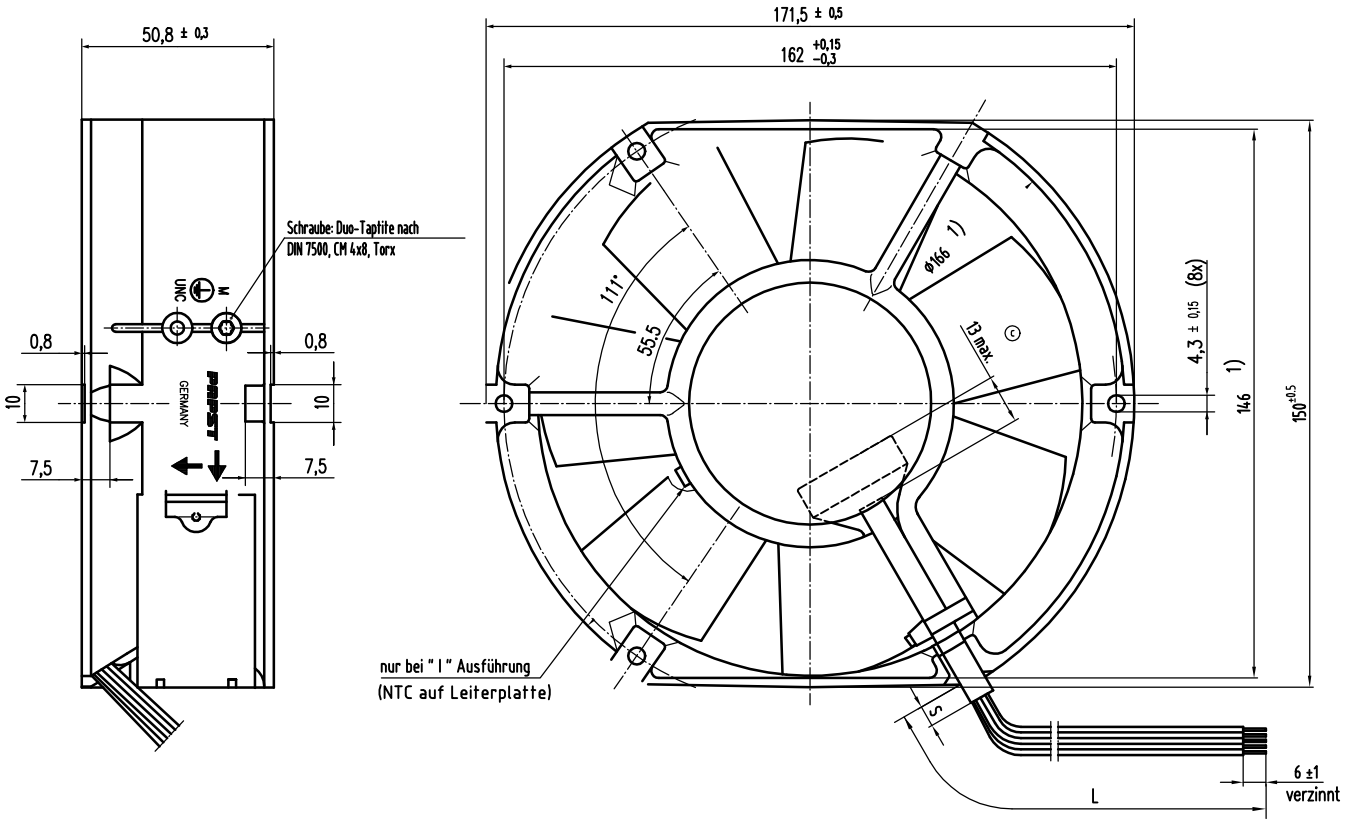
d002.plt INRUSH CURRENT 100 % PWM @ U fan 48V	
d005.plt LOCKED ROTOR PROTECTION 100 % PWM @ U fan 48V	

Contact

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