3312 /2U-491

DC Axial Fan

32 mm axial fan with high air flow. The DC drive employs an electronically commutated external rotor motor with high efficiency. Drive electronics is completely integrated into the fan hub. Open collector tacho signal.



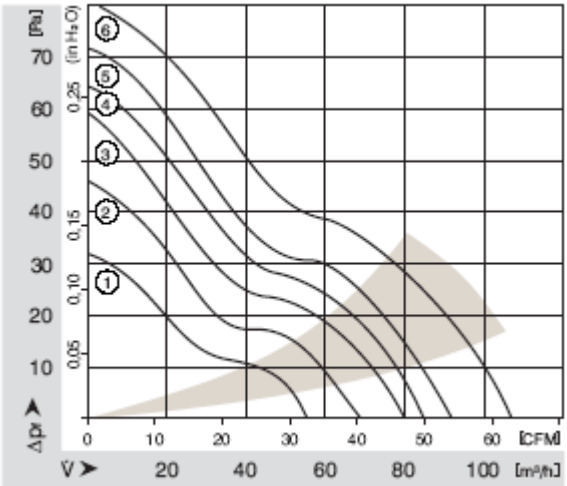
Features

- Material: fiberglass-reinforced plastic
- Fully integrated electronic commutation
- Protected against reverse polarity and locking
- Blowing over struts
- Encapsulation of winding and PCB

General Data

Nominal voltage	V DC	12
Voltage range	V DC	6 - 15
Nominal speed	min^{-1}	3000
Max. flow rate (curve 3)	m^3/h	80
Max. flow rate (curve 3)	CFM	47
Noise free air	dB(A)	37
Noise in optimum operating range	bel	5.2
Current consumption	mA	220
Power consumption	W	2.6
Permanent ambient temperature at max. voltage	°C	-20 ... +75
Service life (75 °C)	h	30.000
Service life (40 °C)	h	70.000
Approvals		UL, CE
Fan housing / impeller		PBTP / PA 6.6
Bearing system		ball bearing
Mass	kg	0.220

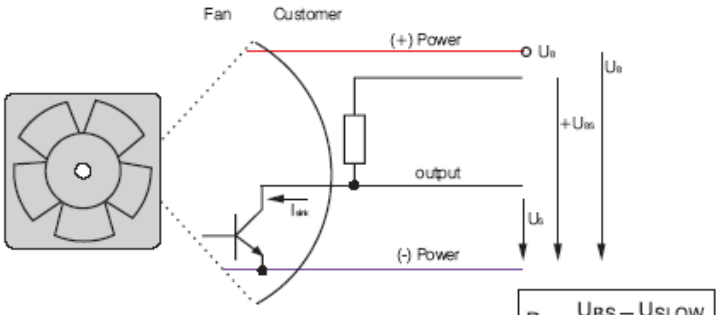
All data are mean values at nominal conditions. Subject to change without notice



→ Drawing on page 3.

Speed sensor /2

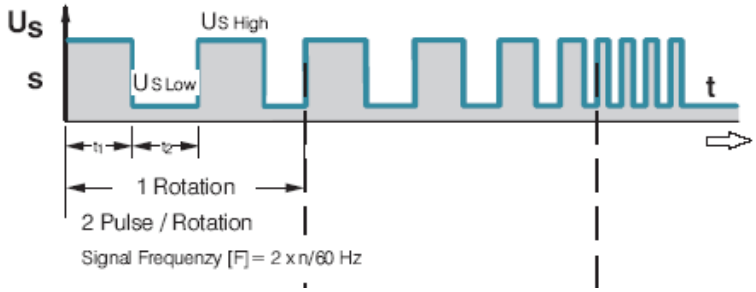
Electrical connection



All voltages measured to ground.
External load resistance R_a / U_S / U_{BS} required.

Signal output voltage

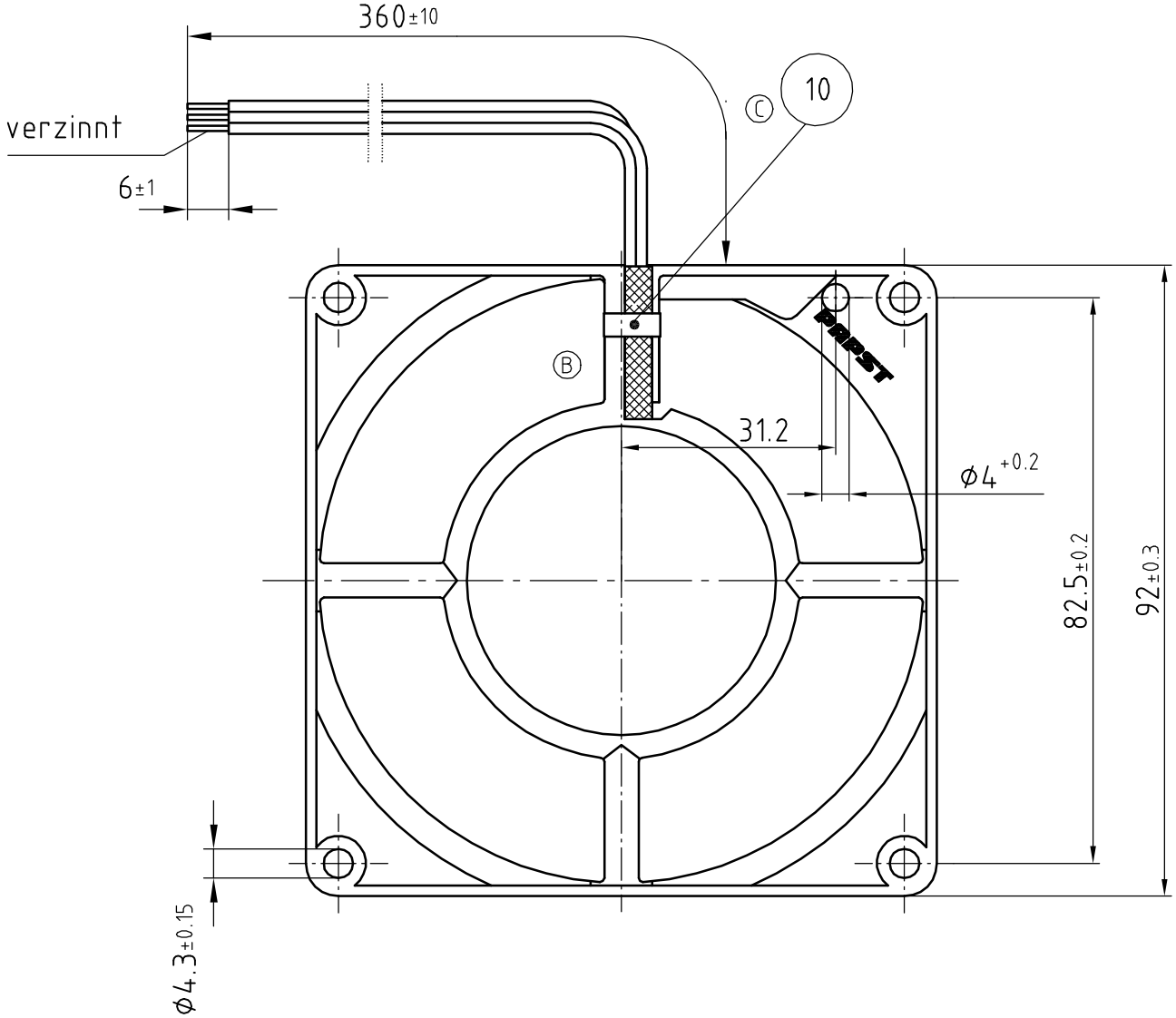
Standard signal for all models (exemptions see below)



Output	2 pulse/rotation
U_{bs}	4...30 V DC
$U_{s\ high}$	4...30 V DC at I_{source} = 0 mA
$U_{s\ low}$	<= 0,4 V DC at I_{sink} = 2 mA
$I_{sink\ max}$	= 4 mA
t_1 / t_2	0,8 - 1,2

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Schutzvermerk nach DIN ISO 16016 beachten



Tolerierung: DIN 7167
Allgemeintoleranzen:

AutoCAD 2006

	Datum	Name
Bearbeitet	08.02.2007	LAUFER
	C	000000110949
	Index	Aend.-Nr.

Geprueft u. zur Verwendung freigegeben von KOLETZKI am 22.02.2007

PAPST-MOTOREN GmbH & Co KG
D-78112 St.Georgen
Germany

Artikel: Axiallüfter

Maßstab: 1:1

Zchg.-Nr.: 9294305491

Blatt: 002

Ers.f.Zchg.:

A4

Vertraulich / Confidential Information 21.04.2009