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**Nominal data**

Type	512 F	
Nominal voltage	VDC	12
Nominal voltage range	VDC	10.8 .. 13.2
Speed (rpm)	min <sup>-1</sup>	5000
Power consumption	W	0.8
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m <sup>3</sup> /h	20
Sound power level	B	4.5
Sound pressure level	dB(A)	30

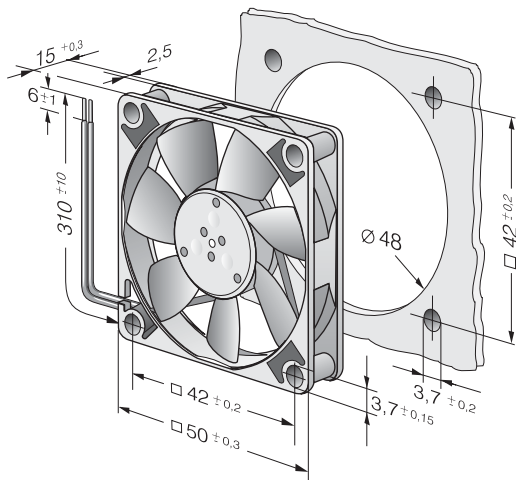
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



**Technical description**

<b>Weight</b>	0.027 kg
<b>Dimensions</b>	50 x 50 x 15 mm
<b>Impeller material</b>	Glass-fiber reinforced PA plastic
<b>Housing material</b>	Glass-fiber reinforced PBT plastic
<b>Airflow direction</b>	Exhaust over struts
<b>Direction of rotation</b>	Counterclockwise, viewed toward rotor
<b>Storage</b>	Sintec sleeve bearing
<b>Service life L10 at 20 °C</b>	50000 h
<b>Service life L10 at 60 °C</b>	20000 h
<b>Cable</b>	Leads AWG 28, TR 64, stripped and tin-plated.
<b>Motor protection</b>	Protection against reverse polarity and blocked rotor.
<b>Locked-rotor protection</b>	Impedance protection
<b>Approval</b>	VDE, CSA, UL, CE
<b>Option</b>	Possible custom designs: Speed signal Go / No-go alarm PWM control input Moisture protection

## Product drawing



## Curves: Air performance

