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Nominal data

Type	412 H	
Nominal voltage	[VDC]	12
Speed	[min ⁻¹]	8100
Power input	[W]	1.6
Min. ambient temperature	[°C]	-20
Max. ambient temperature	[°C]	60
Air flow	[m ³ /h]	13.5
Sound power level	[B]	4.7
Sound pressure level	[dB(A)]	29

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

Dimensions	40 x 40 x 20 mm
General description	Compact fan with low power consumption. Electronic commutation completely integrated.
Connection line	Single strands AWG 28, TR 64, bared and tin-plated.
Locked-rotor protection	With electronic blocking protection
Direction of protection	Left, looking at rotor
Direction of air flow	Air exhaust over bars
Bearing	Sintec sleeve bearing
Lifetime L10 at 20 °C	45000 h
Lifetime L10 at 60 °C	15000 h
Mass	0.027 kg
Material of impeller	Fiberglass-reinforced PA plastic
Motor protection	Protected against reverse polarity and locking.
Option	Alarm signal
Approval	VDE, CSA, UL, CE

Charts: Air flow

