

EC 32 flat Ø32 mm, brushless, 15 Watt, with Hall sensors

Part number 267121



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Price per unit	1-4	CHF 78.50
	5-19	CHF 69.20
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Print specifications

Description

Thanks to their flat design, the **brushless EC flat motors** are exactly the right drive for many applications. The well-conceived, simple engineering allows mainly automated production which results in a favorable price.

Specifications

Technical illustrations

A with Hall sensors

B sensorless


Dimension drawing

Information: Drawings are not to scale.

Values at nominal voltage		
	Nominal voltage	24 V
	No load speed	4530 rpm
	No load current	36.9 mA
	Nominal speed	2760 rpm
	Nominal torque (max. continuous torque)	25.5 mNm
	Nominal current (max. continuous current)	0.5 A
	Stall torque	85.4 mNm
	Stall current	1.74 A
	Max. efficiency	73 %
Characteristics		
	Terminal resistance	13.8 Ω
	Terminal inductance	7.73 mH
	Torque constant	49 mNm/A
	Speed constant	195 rpm/V
	Speed / torque gradient	54.8 rpm/mNm
	Mechanical time constant	20.1 ms
	Rotor inertia	35 gcm²
Thermal data		
	Thermal resistance housing-ambient	10.8 K/W
	Thermal resistance winding-housing	4.99 K/W
	Thermal time constant winding	8.78 s
	Thermal time constant motor	121 s
	Ambient temperature	-40...+100 °C
	Max. winding temperature	+125 °C
Mechanical data		
	Bearing type	ball bearings

	Max. speed	10000 rpm
	Axial play	0 - 0.6 mm
	Max. axial load (dynamic)	4.8 N
	Max. force for press fits (static)	45 N
	(static, shaft supported)	1000 N
	Max. radial load	14 N, 5 mm from flange
Other specifications		
	Number of pole pairs	4
	Number of phases	3
	Number of autoclave cycles	0
Product		
	Weight	46 g

Downloads

 **Catalog page**

➤ [Catalog pages \(deutsch, PDF 70 KB\)](#)

➤ [Catalog page \(englisch, PDF 438 KB\)](#)

➤ [カタログのページ \(日本語, PDF 318 KB\)](#)

Version 2016

Version 2015

Version 2015

 **CAD-Files (STEP)**

➤ [CAD drawing \(STEP\) \(ZIP 42 KB\)](#)

Version 2012