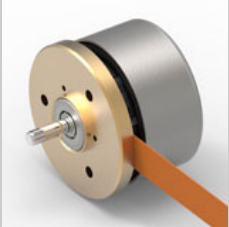


RECOMMENDED

EC 20 flat Ø20 mm, brushless, 5 Watt, with Hall sensors

Part number 351008



Enlarge image

- Compare product
- Add to wish list
- Make a request
- Send to a colleague

Price scales		
Price per unit	1-4	€83.27
	5-19	€71.55
	20-49	€58.64
	from 50	On request
Prices excluding VAT and shipping costs		

Start combination

Order quantity 1

Add to cart

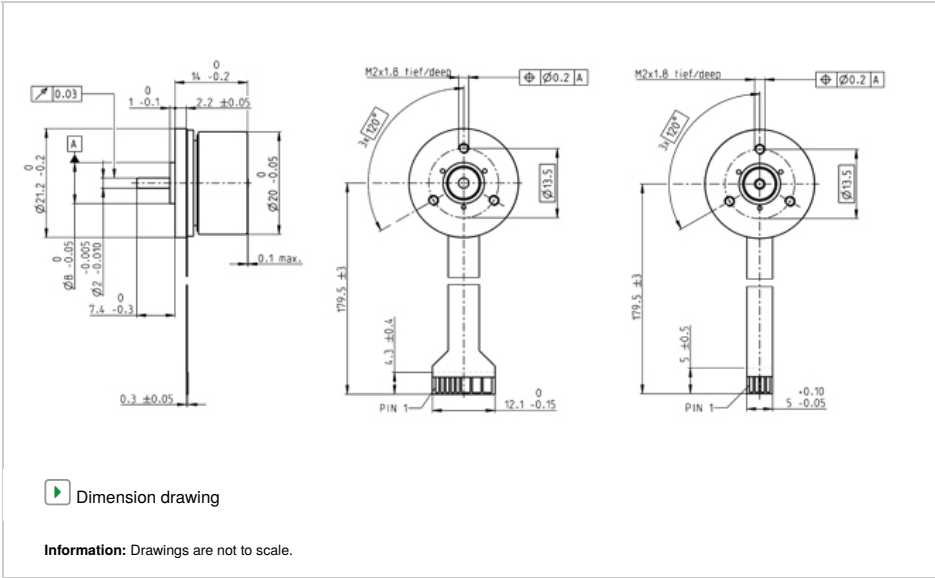
Print specifications

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



Values at nominal voltage

Nominal voltage	24 V
No load speed	9300 rpm
No load current	25.1 mA
Nominal speed	5220 rpm
Nominal torque (max. continuous torque)	7.74 mNm
Nominal current (max. continuous current)	0.329 A
Stall torque	19.9 mNm
Stall current	0.838 A
Max. efficiency	69 %

Characteristics

Terminal resistance	28.6 Ω
Terminal inductance	3.09 mH
Torque constant	23.8 mNm/A

	Speed constant	402 rpm/V
	Speed / torque gradient	484 rpm/mNm
	Mechanical time constant	25.8 ms
	Rotor inertia	5.1 gcm²
Thermal data		
	Thermal resistance housing-ambient	16.6 K/W
	Thermal resistance winding-housing	2.66 K/W
	Thermal time constant winding	1.5 s
	Thermal time constant motor	27.6 s
	Ambient temperature	-40...+100 °C
	Max. winding temperature	+125 °C
Mechanical data		
	Bearing type	ball bearings
	Max. speed	15000 rpm
	Axial play	0 - 0.14 mm
	Max. axial load (dynamic)	1.8 N
	Max. force for press fits (static)	26 N
	(static, shaft supported)	200 N
	Max. radial load	5.3 N, 5 mm from flange
Other specifications		
	Number of pole pairs	4
	Number of phases	3
	Number of autoclave cycles	0
Product		
	Weight	22 g

Downloads

- CAD-Files (STEP)**

[CAD drawing \(STEP\) \(ZIP 20 KB\)](#)

Version 2017
- Catalog page**

[Katalogseiten \(deutsch, PDF 107 KB\)](#)

Version 2018

[Catalog page \(english, PDF 110 KB\)](#)

Version 2018

[カタログページ \(日本語, PDF 107 KB\)](#)

Version 2017