

DETAILS

EC-4pole 30 Ø30 mm, brushless, 150 Watt | **sterilisable**
Part number 468311



PRICE SCALES	Quantity	Price per unit
Prices excluding VAT and shipping costs	1-4	€881.19
	5-19	€698.28
	20-49	€580.91
	from 50	On request

Start combination

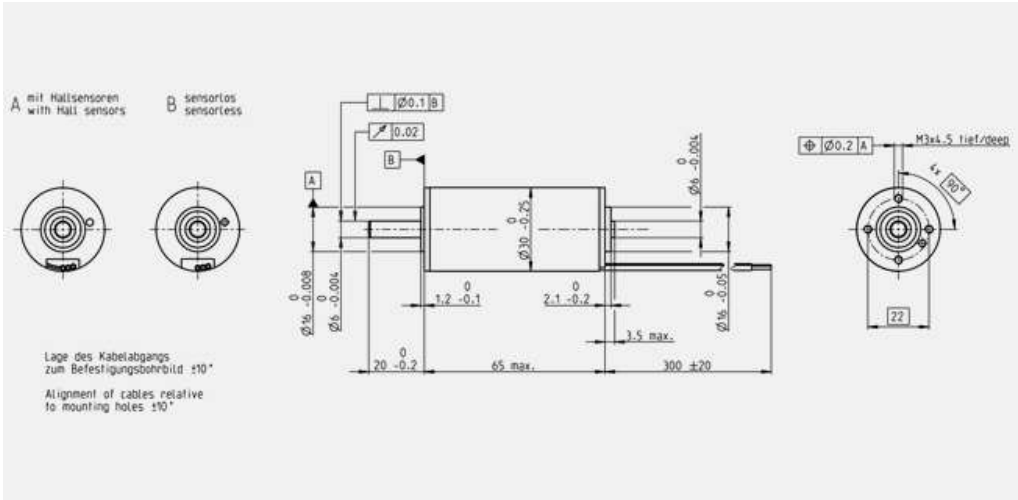
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Specifications	Description	Downloads
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Specifications

TECHNICAL ILLUSTRATIONS



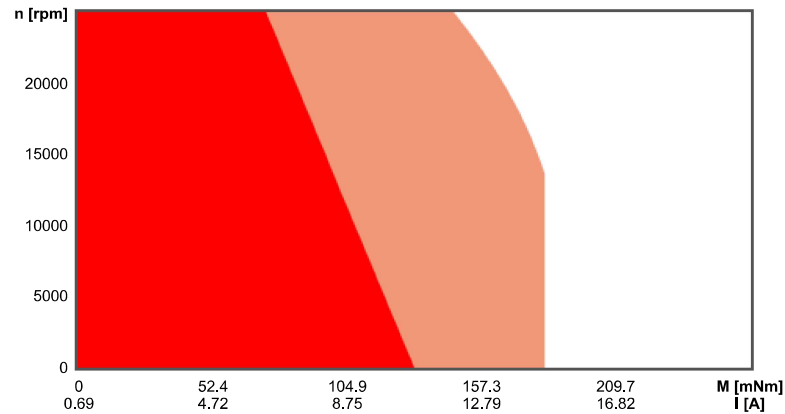
Dimension drawing

Information: Drawings are not to scale.

S AT NOMINAL VOLTAGE	
Nominal voltage	24 V
No load speed	17200 rpm

No load current	686 mA
Nominal speed	16400 rpm
Nominal torque (max. continuous torque)	111 mNm
Nominal current (max. continuous current)	8.92 A
Stall torque	3140 mNm
Stall current	236 A
Max. efficiency	90 %
CHARACTERISTICS	
Terminal resistance	0.102 Ω
Terminal inductance	0.0159 mH
Torque constant	13.3 mNm/A
Speed constant	718 rpm/V
Speed / torque gradient	5.49 rpm/mNm
Mechanical time constant	2.02 ms
Rotor inertia	35.2 gcm ²
THERMAL DATA	
Thermal resistance housing-ambient	7.4 K/W
Thermal resistance winding-housing	0.209 K/W
Thermal time constant winding	2.11 s
Thermal time constant motor	1180 s
Ambient temperature	-40...+150 °C
Max. winding temperature	+155 °C
MECHANICAL DATA	
Bearing type	ball bearings
Max. speed	25000 rpm
Axial play	0 mm, at radial load < 8 N
	0.14 mm, at radial load > 8 N
Max. axial load (dynamic)	5.5 N
Max. force for press fits (static)	73 N
(static, shaft supported)	1300 N
Max. radial load	25 N, 5 mm from flange
OTHER SPECIFICATIONS	
Number of pole pairs	2
Number of phases	3
Number of autoclave cycles	1000
MOUNTING	
Weight	300 g

OPERATING RANGE



Continuous operation range

Short term operation range

Description

This **4-pole power motor** is one of the best in its class and demonstrates excellent performance thanks to maxon's winding technology: top performance per volume and weight unit, quality and security thanks to largely automated production, cogging-free motion and of course an unprecedented service life.

Downloads

CAD-FILES (STEP)

CAD model (STEP) (ZIP 26 KB)

Version 2017

CATALOG PAGE

目录页 (chinesisch, PDF 1009 KB)	Version 2020
Katalogseiten (deutsch, PDF 91 KB)	Version 2020
Catalog page (english, PDF 106 KB)	Version 2021
Catálogo Pagina (español, PDF 97 KB)	Version 2020
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カタログページ (日本語, PDF 332 KB)	Version 2020

Videos

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