

DETAILS

RE 40 Ø40 mm, Graphite Brushes, 150 Watt

Part number 148867



PRICE SCALES	Quantity	Price per unit
Prices excluding VAT and shipping costs	1-4	€394.09
	5-19	€322.73
	20-49	€250.00
	from 50	On request

Start combination

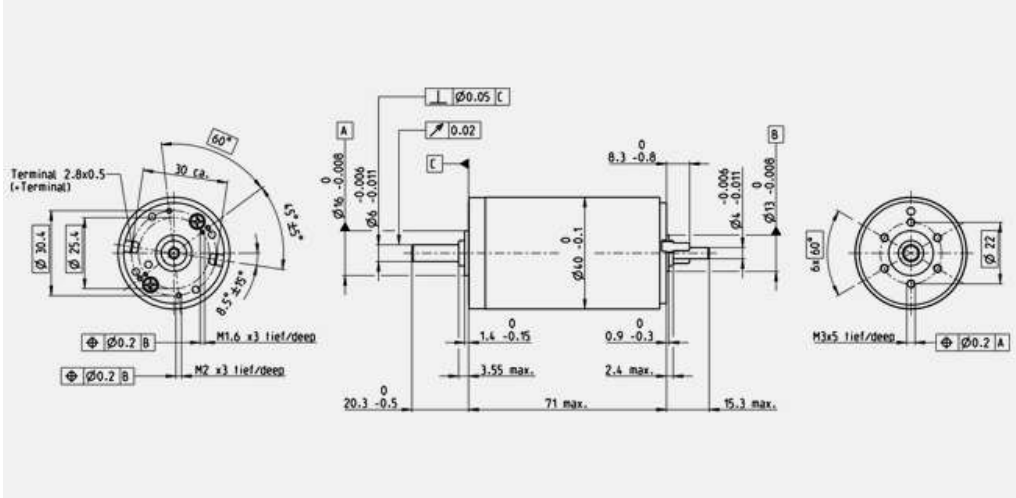
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Specifications

TECHNICAL ILLUSTRATIONS



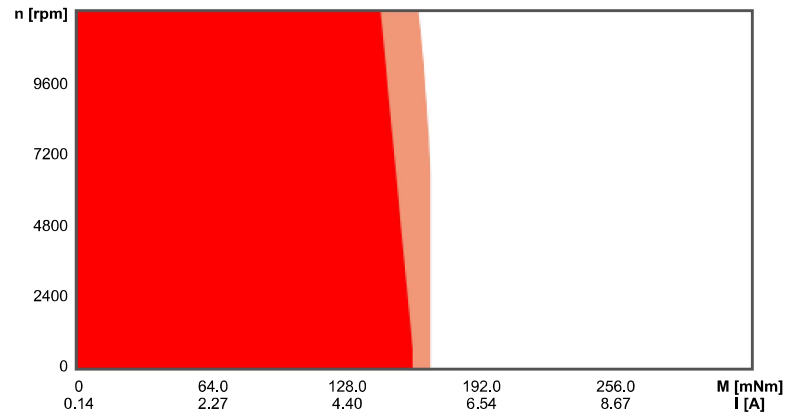
Dimension drawing

Information: Drawings are not to scale.

S AT NOMINAL VOLTAGE	
Nominal voltage	24 V
No load speed	7580 rpm

No load current	137 mA
Nominal speed	6940 rpm
Nominal torque (max. continuous torque)	177 mNm
Nominal current (max. continuous current)	6 A
Stall torque	2420 mNm
Stall current	80.2 A
Max. efficiency	91 %
CHARACTERISTICS	
Terminal resistance	0.299 Ω
Terminal inductance	0.0824 mH
Torque constant	30.2 mNm/A
Speed constant	317 rpm/V
Speed / torque gradient	3.14 rpm/mNm
Mechanical time constant	4.67 ms
Rotor inertia	142 gcm ²
THERMAL DATA	
Thermal resistance housing-ambient	4.65 K/W
Thermal resistance winding-housing	1.93 K/W
Thermal time constant winding	42.8 s
Thermal time constant motor	809 s
Ambient temperature	-30...+100 °C
Max. winding temperature	+155 °C
MECHANICAL DATA	
Bearing type	Waelzlager
Max. speed	12000 rpm
Axial play	0.05 - 0.15 mm
Radial play	0.025 mm
Max. axial load (dynamic)	5.6 N
Max. force for press fits (static)	110 N
(static, shaft supported)	1200 N
Max. radial load	28 N, 5 mm from flange
OTHER SPECIFICATIONS	
Number of pole pairs	1
Number of commutator segments	13
Number of autoclave cycles	0
MOUNTING	
Weight	480 g

OPERATING RANGE



Continuous operation range

Short term operation range

Description

maxon DC motors are high-quality motors fitted with powerful permanent magnets. The “heart” of the motor is the worldwide patented ironless rotor. For you, this means cutting-edge technology in compact, powerful and low inertia drives.

Downloads

CAD-FILES (STEP)

CAD model (STEP) (ZIP 184 KB)

Version 2017

CATALOG PAGE

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