

PRODUCT DATASHEET

ES-CM-BL07-M001

Coreless Brushless Miniature And Standard Series

Coreless Brushless Miniature And Standard Series | ES-CM-BL07 16 mm Coreless Brushless Motor Series

Product Overview

Coreless Brushless Miniature And Standard Series with rated Speed 51000 rpm, continuous Rated Output Power 40 W and continuous Rated Current 2.2 A.

Key Specifications

PARAMETER	VALUE	UNIT
Rated Speed	51000	rpm
Continuous Rated Output Power	40	W
Continuous Rated Current	2.2	A
Duty Cycle	S1	
Housing Type	T	
Motor Body Length	40	mm
Motor diameter	16	mm
Pole Pairs	1	

Technical Specifications

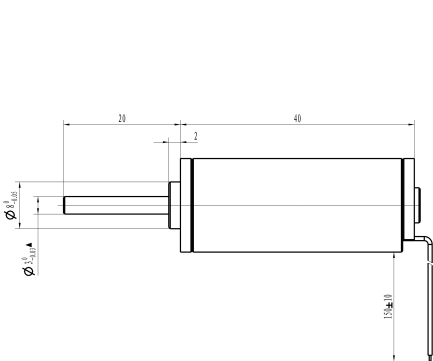
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Speed	51000	rpm	Drawing Variant Suffix: -25
Continuous Rated Output Power	40	W	Drawing Variant Suffix: -25
ELECTRICAL			
Continuous Rated Current	2.2	A	Drawing Variant Suffix: -25
Duty Cycle	S1		
Pole Pairs	1		Drawing Variant Suffix: -25
MECHANICAL			
Housing Type	T		
Motor Body Length	40	mm	
Motor diameter	16	mm	

Dimensional & Integration Overview

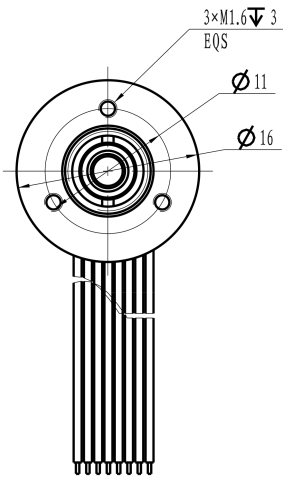
Mechanical Overview

PARAMETER	VALUE	UNIT
Housing Type	T	
Motor Body Length	40	mm
Motor diameter	16	mm

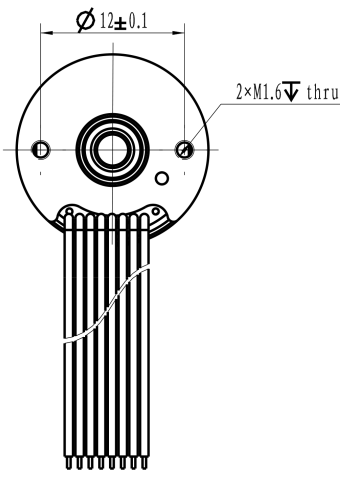
Dimensional Drawings



Mechanical View 1



Mechanical View 2



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Overall length	40 mm
	Left section length	20 mm
	Flange width	2 mm
	Shaft diameter	Φ8 -0.05 mm
	Hole diameter	Φ3 -0.03 mm
Mechanical View 2	M1.6 threaded holes quantity and distribution	3 × M1.6 countersunk holes, equally spaced (EQS)
	Mounting hole distribution pattern	Equally spaced (EQS)
	Hole diameter	Φ11
	Outer diameter	Φ16
Mechanical View 3	Motor front face circular body diameter	Ø12±0.1
	M1.6 threaded holes specification (2 pieces, through, countersunk)	2×M1.6 countersunk through holes

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.