

PRODUCT DATASHEET

ES-CM-BL08-M001

Coreless Brushless Miniature And Standard Series

Coreless Brushless Miniature And Standard Series | ES-CM-BL08 22 mm Coreless Brushless Motor Series

Product Overview

Coreless Brushless Miniature And Standard Series with rated Speed 49000 rpm, continuous Rated Output Power 100 W and continuous Rated Current 4.68 A.

Key Specifications

PARAMETER	VALUE	UNIT
Rated Speed	49000	rpm
Continuous Rated Output Power	100	W
Continuous Rated Current	4.68	A
Duty Cycle	S1	
Housing Type	T	
Motor Body Length	48	mm
Motor diameter	22	mm
Pole Pairs	1	

Technical Specifications

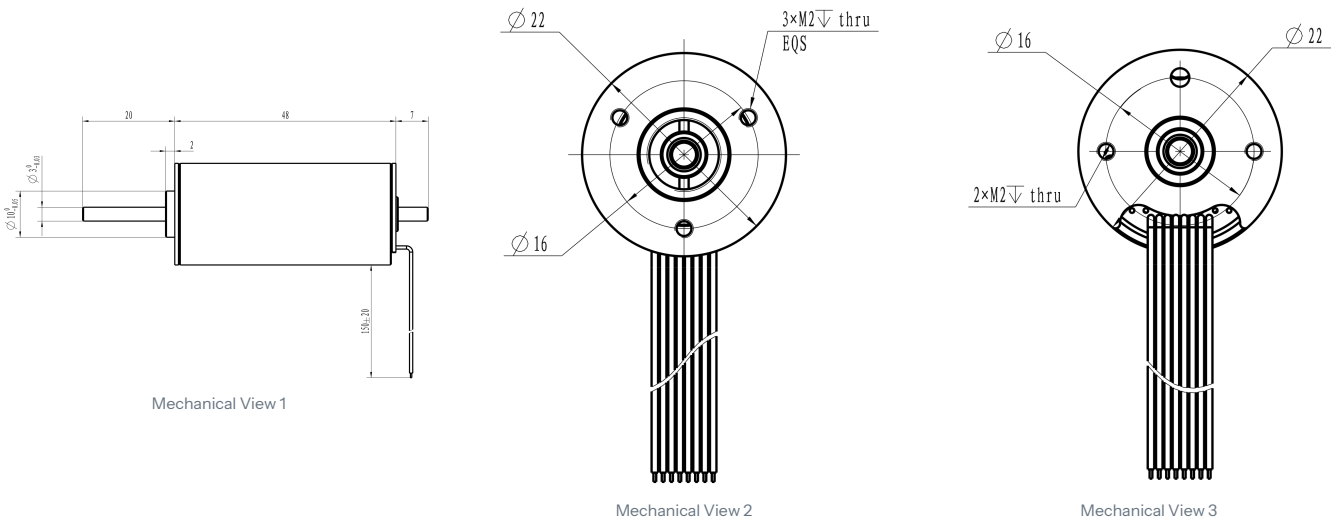
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Speed	49000	rpm	Drawing Variant Suffix: -31
Continuous Rated Output Power	100	W	Drawing Variant Suffix: -31
ELECTRICAL			
Continuous Rated Current	4.68	A	Drawing Variant Suffix: -31
Duty Cycle	S1		
Pole Pairs	1		Drawing Variant Suffix: -31
MECHANICAL			
Housing Type	T		
Motor Body Length	48	mm	
Motor diameter	22	mm	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Housing Type	T	
Motor Body Length	48	mm
Motor diameter	22	mm

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Left section length	20 mm
	Middle section length	48 mm
	Right section length	7 mm
	Shaft protrusion length	2 mm
	Left shaft diameter	Ø3 0/-0.03 mm
	Left bearing support diameter	Ø10 0/-0.05 mm
	Cable length	150±20 mm
Mechanical View 2	Mounting flange outer diameter	Φ22
	Mounting threaded hole specification	3×M2 countersink through holes
	Mounting holes equally spaced	Equally spaced
	Mounting flange center hole diameter	Φ16
Mechanical View 3	Right shaft diameter	Φ22
	Left shaft diameter	Φ16
	Mounting hole specification	2×M2 thru

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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.