

PRODUCT DATASHEET

ES-CM-BR01-M002

Coreless Brushed Miniature And Standard Series

Coreless Brushed Miniature And Standard Series | ES-CM-BR01 8 mm Coreless Brushed Motor Series

Product Overview

Coreless Brushed Miniature And Standard Series with rated Voltage 12 V, reduction Ratio 16 and encoder channel count 3.

Key Specifications

PARAMETER	VALUE	UNIT
Rated Voltage	12	V
Reduction Ratio	16	
Encoder channel count	3	
Encoder pulses per revolution	256	ppr
Encoder Type	Magnetic encoder	
Loaded Speed	430	rpm
Maximum Continuous Current	0.08	A
Motor diameter	8	mm
Motor length	24	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
No-Load Rotational Speed	780	rpm
Loaded Speed	430	rpm
ELECTRICAL		
Rated Voltage	12	V
Maximum Continuous Current	0.08	A
No-load Current	0.03	A
MECHANICAL		
Motor length	24	mm
Motor diameter	8	mm
INTERFACES		
Encoder pulses per revolution	256	ppr
Encoder Type	Magnetic encoder	
Encoder channel count	3	
ADDITIONAL SPECIFICATIONS		
Reduction Ratio	16	

Feedback Connector Pinout

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Shaft extension length	5.85 0/-0.35 mm
	Overall length	33.5±0.5 mm
	Shaft shoulder length	1.65 0/-0.35 mm
	Mounting flange depth	2.75 +0.2/0 mm
	Keyway width	0.9 0/-0.3 mm
	Shaft diameter	Φ4 0/-0.01 mm
	Shaft shoulder diameter	1.3 0/-0.05 mm
	Front shaft diameter	Φ1.5 0/-0.01 mm
	Mounting thread	M8x0.5
	Thread length	3.3 0/-0.2 mm
	Rated voltage	DC 12V
	Rated speed	430 RPM

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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.