

PRODUCT DATASHEET

ES-ST-17HS2034-4D-100

Hollow Shaft Stepper Motors

Hollow Shaft Stepper Motors | 42 mm Hollow-Shaft Stepper Motor Series - ES-ST-HS05

Product Overview

Hollow Shaft Stepper Motors with continuous Rated Current 1 A RMS, step Angle 1.8 ° and body Length 34 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	1	A RMS
Step Angle	1.8	°
Body Length	34	mm
Motor Construction Type	Hollow Shaft Stepper Motor	
Frame Size	42	mm
Lead Wire Configuration	Bipolar, 4 flying leads	
Lead Wire Count	4	
NEMA Size	17	
Phase Count	2	

Technical Specifications

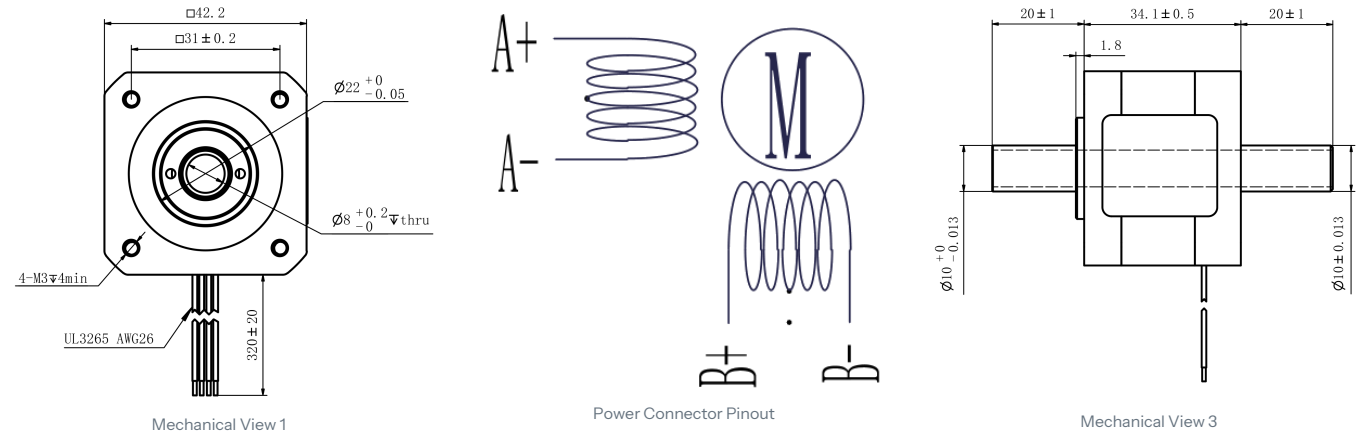
PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	1	A RMS	Measurement Basis: rms
Step Angle	1.8	°	
Lead Wire Configuration	Bipolar, 4 flying leads		
Lead Wire Count	4		
Phase Count	2		
MECHANICAL			
Body Length	34	mm	
Frame Size	42	mm	
Shaft Configuration	Double shaft		
NEMA Size	17		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	34	mm
Frame Size	42	mm
Shaft Configuration	Double shaft	
NEMA Size	17	

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Flange face width	42.2 mm square
	Mounting face center square dimension with tolerance	31±0.2 mm square
	Mounting hole diameter with tolerance	Ø22 +0/-0.05
	Locating hole diameter with countersink through	Ø8 +0.2/-0 countersink thru
	Mounting thread specification and countersink depth	4× M3 threaded holes, countersink depth 4 mm min
Mechanical View 3	Left mounting face length	20±1 mm
	Center mounting face length	34.1±0.5 mm
	Right mounting face length	20±1 mm
	Protruding section depth	1.8 mm
	Left shaft hole diameter	Ø10 +0/-0.013 mm
	Right shaft hole diameter	

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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.