PRODUCT DATASHEET

ES-ST-14HS2033-4D-100

Hollow Shaft Stepper Motors

Hollow Shaft Stepper Motors | 35 mm Hollow-Shaft Stepper Motor Series - ES-ST-HS04

Product Overview

Hollow Shaft Stepper Motors with continuous Rated Current 1 A RMS, step Angle 1.8 ° and body Length 33 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	1	A RMS
Step Angle	1.8	°
Body Length	33	mm
Motor Construction Type	Hollow Shaft Stepper Motor	
Frame Size	35	mm
Lead Wire Configuration	Bipolar, 4 flying leads	
Lead Wire Count	4	
NEMA Size	14	
Phase Count	2	

Technical Specifications

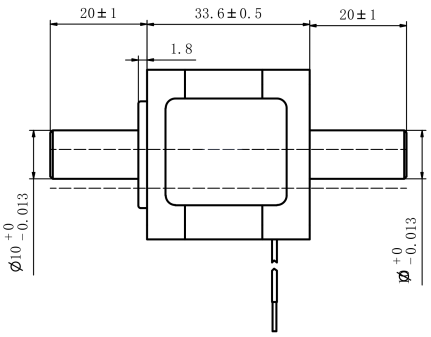
PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	1	A RMS	Measurement Basis: rms
Step Angle	1.8	°	
Lead Wire Configuration	Bipolar, 4 flying leads		
Lead Wire Count	4		
Phase Count	2		
MECHANICAL			
Body Length	33	mm	
Frame Size	35	mm	
Shaft Configuration	Double shaft		
NEMA Size	14		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Dimensional & Integration Overview

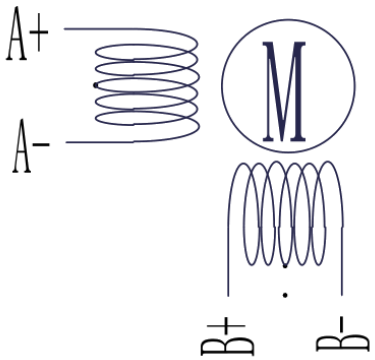
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	33	mm
Frame Size	35	mm
Shaft Configuration	Double shaft	
NEMA Size	14	

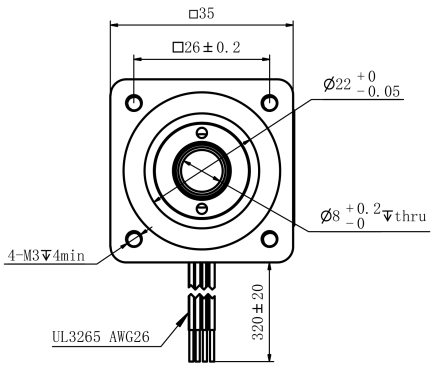
Dimensional Drawings



Mechanical View 1



Power Connector Pinout



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Left section length	20±1 mm
	Center section length	33.6±0.5 mm
	Right section length	20±1 mm
	Step depth	1.8 mm
	Left shaft diameter with tolerance	Φ10 +0/-0.013 mm
	Right shaft diameter with tolerance	Φ13 +0/-0.013 mm
Mechanical View 3	Motor body width	35 mm square
	Mounting face width	26±0.2 mm square
	Output shaft diameter	Ø22 +0/-0.05
	Through hole diameter	Ø8 +0.2/-0 thru
	Threaded mounting holes	4× M3 tapped holes, 4mm min depth

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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.