

PRODUCT DATASHEET

ES-ST-14HS2045-4D-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 45 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	1	A RMS
Step Angle	1.8	°
Body Length	45	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

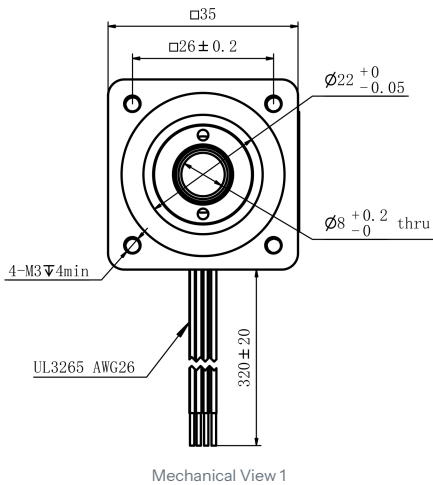
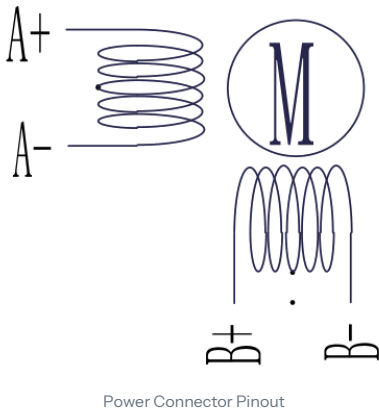
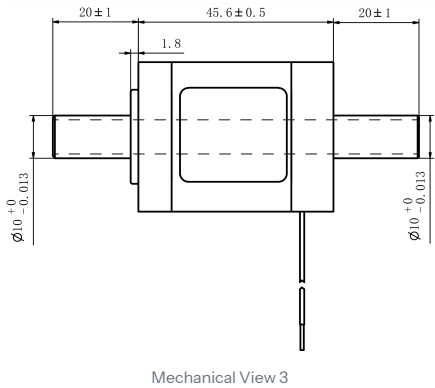
PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	1	A RMS	Measurement Basis: rms
Step Angle	1.8	°	
Lead Wire Configuration	Bipolar, 4 flying leads		
Lead Wire Count	4		
Phase Count	2		
MECHANICAL			
Body Length	45	mm	
Frame Size	35	mm	
Shaft Configuration	Double shaft		
NEMA Size	14		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	45	mm
Frame Size	35	mm
Shaft Configuration	Double shaft	
NEMA Size	14	

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Square flange side length	35 mm square
	Mounting hole center square dimension	26±0.2 mm square PCD
	Mounting through-hole diameter	Ø22 +0/-0.05 mm
	Center through-hole diameter	Ø8 +0.2/-0 mm through-hole
	Tapped hole specification	4x M3 tapped holes, min depth 4 mm
Mechanical View 3	Left end width	20±1 mm
	Center section width	45.6±0.5 mm
	Right end width	20±1 mm
	Boss depth	1.8 mm
	Left output shaft diameter with tolerance	Φ10 +0/-0.013 mm
	Right output shaft diameter with tolerance	

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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.