

PRODUCT DATASHEET

ES-ST-17HS2048-4D-250

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 2.5 A RMS, step Angle 1.8 ° and body Length 48 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	2.5	A RMS
Step Angle	1.8	°
Body Length	48	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

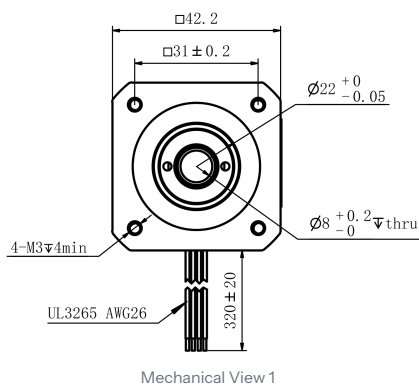
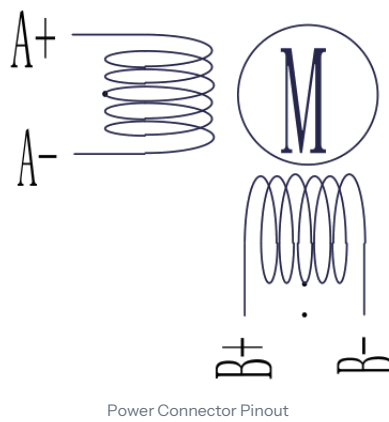
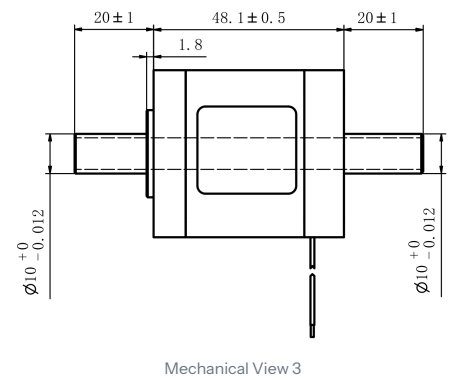
PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	2.5	A RMS	Measurement Basis: rms
Step Angle	1.8	°	
Lead Wire Configuration	Bipolar, 4 flying leads		
Lead Wire Count	4		
Phase Count	2		
MECHANICAL			
Body Length	48	mm	
Frame Size	42	mm	
Shaft Configuration	Double shaft		
NEMA Size	17		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	48	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 outer envelope dimension	42.2 mm square
	Flange mounting hole center distance	31±0.2 mm square pattern
	Output shaft diameter	Φ22 +0/-0.05
	Mounting through-hole diameter	Φ8 +0.2/-0 through-hole
	Tapped hole specification	4× M3 tapped holes, minimum depth 4 mm
Mechanical View 3	Mounting hole center distance from left end	20±1 mm
	Mounting hole center-to-center distance	48.1±0.5 mm
	Mounting hole center distance from right end	20±1 mm
	Nameplate mounting slot depth	1.8 mm
	Left mounting hole diameter and tolerance	Ø10 +0/-0.012 mm
	Right mounting hole diameter and 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.