

PRODUCT DATASHEET

ES-ST-23HS2045-4D-200

Hollow Shaft Stepper Motors

Hollow Shaft Stepper Motors | 57 mm Hollow-Shaft Stepper Motor Series - ES-ST-HS06

Product Overview

Hollow Shaft Stepper Motors with continuous Rated Current 2 A RMS, step Angle 1.8 ° and body Length 45 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	2	A RMS
Step Angle	1.8	°
Body Length	45	mm
Motor Construction Type	Hollow Shaft Stepper Motor	
Frame Size	57	mm
Lead Wire Configuration	Bipolar, 4 flying leads	
Lead Wire Count	4	
NEMA Size	23	
Phase Count	2	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	2	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	57	mm	
Shaft Configuration	Double shaft		
NEMA Size	23		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Overall length left segment	20±1 mm
	Overall length center segment	45±0.5 mm
	Overall length right segment	20±1 mm
	Boss depth	1.5 mm
	Left shaft diameter	Ø15 +0/-0.013 mm
	Right shaft diameter	
Mechanical View 3	Housing envelope dimension (square)	□56.2 mm
	Mounting face dimension (square, with tolerance)	□47.14±0.25 mm
	Output shaft diameter (unilateral tolerance)	Ø38.1+0/-0.05 mm
	Center through-hole diameter (with tolerance and surface finish)	Ø12 +0.2/0 mm, ▽ surface finish, through hole
	4 mounting holes diameter	4-Ø5.2 mm

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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.