

PRODUCT DATASHEET

ES-ST-23H2076-400-4AL

Hybrid Stepper Motors

Hybrid Stepper Motors | 57 mm Hybrid Stepper Motor Series - ES-ST-HY06

Product Overview

Hybrid Stepper Motors with holding Torque 2 Nm, continuous Rated Current 4 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	2	Nm
Continuous Rated Current	4	A
Step Angle	1.8	°
Body Length	76	mm
Weight	1.06	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	0.6 ±10%	Ω
Insulation Class	B	

Technical Specifications

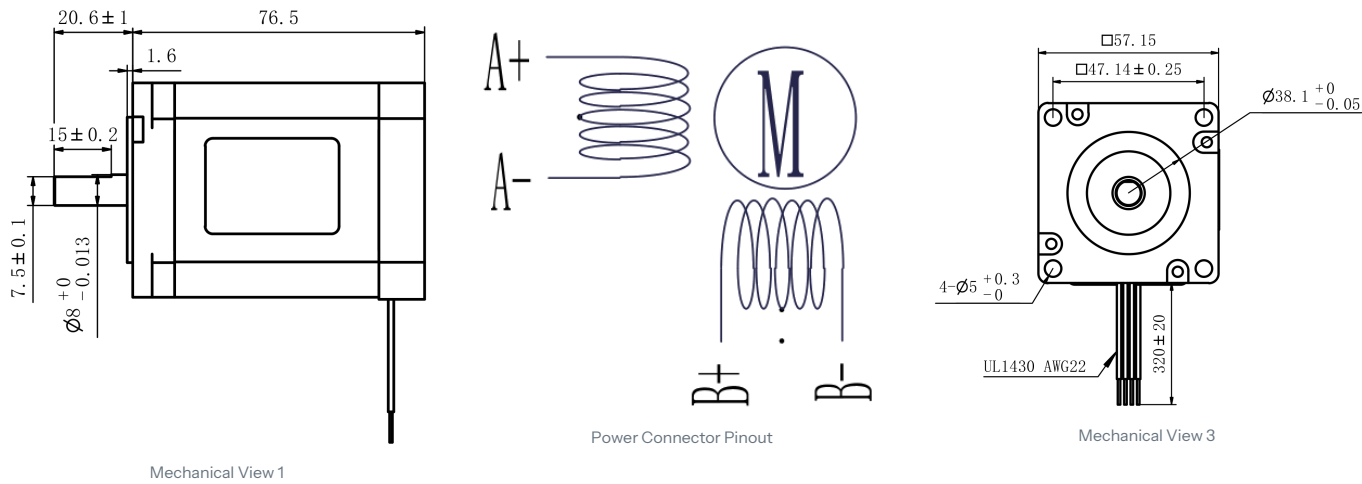
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	2	Nm	
ELECTRICAL			
Continuous Rated Current	4	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	0.6 ±10%	Ω	Measurement: 20 °C
Phase Inductance	2.4 ±20%	mH	Measurement: 1V, 1kHz
Insulation Class	B		
Insulation Resistance	100 (500 VDC)	MΩ	
MECHANICAL			
Body Length	76	mm	
Weight	1.06	kg	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	76	mm
Weight	1.06	kg

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Mounting hole center distance	20.6±1 mm
	Overall length	76.5 mm
	Mounting boss depth	1.6 mm
	Mounting boss width	15±0.2 mm
	Mounting boss height	7.5±0.1 mm
	Mounting hole diameter with tolerance	Φ8 +0.0/-0.013 mm
Mechanical View 3	Housing width (square dimension)	57.15 mm square
	Center region width (square dimension)	47.14±0.25 mm square
	Protruding boss diameter	Ø38.1+0/-0.05 mm
	Mounting hole diameter and quantity	4 holes × Ø5 +0.3/-0 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.