

PRODUCT DATASHEET

ES-ST-14H2037-150-4BL

Hybrid Stepper Motors

Hybrid Stepper Motors | 35 mm Hybrid Stepper Motor Series - ES-ST-HY04

Product Overview

Hybrid Stepper Motors with holding Torque 0.2 Nm, continuous Rated Current 1.5 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	0.2	Nm
Continuous Rated Current	1.5	A
Step Angle	1.8	°
Body Length	37	mm
Weight	0.18	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	2 ±10%	Ω
Insulation Class	B	

Technical Specifications

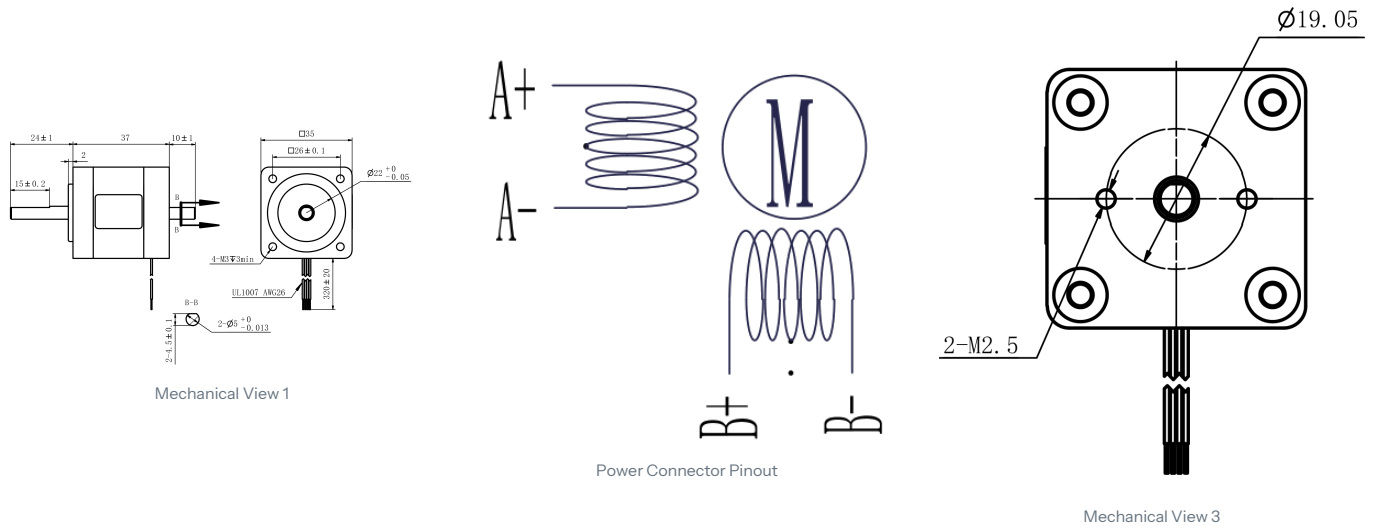
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	0.2	Nm	
ELECTRICAL			
Continuous Rated Current	1.5	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	2 ±10%	Ω	Measurement: 20 °C
Phase Inductance	3.2 ±20%	mH	Measurement: 1V, 1kHz
Insulation Class	B		
Insulation Resistance	100 (500 VDC)	MΩ	
MECHANICAL			
Body Length	37	mm	
Weight	0.18	kg	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	37	mm
Weight	0.18	kg

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Motor body length	24±1 mm
	Motor body mid-section length	37 mm
	Motor end section length	10±1 mm
	Mounting flange square dimension	□35 mm
	Mounting flange center square dimension	□26±0.1 mm
	Output shaft diameter	Ø22 +0/-0.05 mm
	Output shaft extension length	15±0.2 mm
	Feature quantity or index	2
	Datum B (first position)	Datum B
	Datum B (second position)	
	Mounting hole specification	4-M3 depth 3mm min
	Section view identifier	Section B-B
	Locating hole diameter	2-Ø5 +0/-0.013 mm
	Hole spacing	2-4.5±0.1 mm
Mechanical View 3	Mounting hole thread specification	2× M2.5 threaded holes
	Flange outer diameter	Φ19.05

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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.