

PRODUCT DATASHEET

ES-ST-14H2052-150-4AL

Hybrid Stepper Motors

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

Product Overview

Hybrid Stepper Motors with holding Torque 0.4 Nm, continuous Rated Current 1.5 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	0.4	Nm
Continuous Rated Current	1.5	A
Step Angle	1.8	°
Body Length	52	mm
Weight	0.26	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	2.8 ±10%	Ω
Insulation Class	B	

Technical Specifications

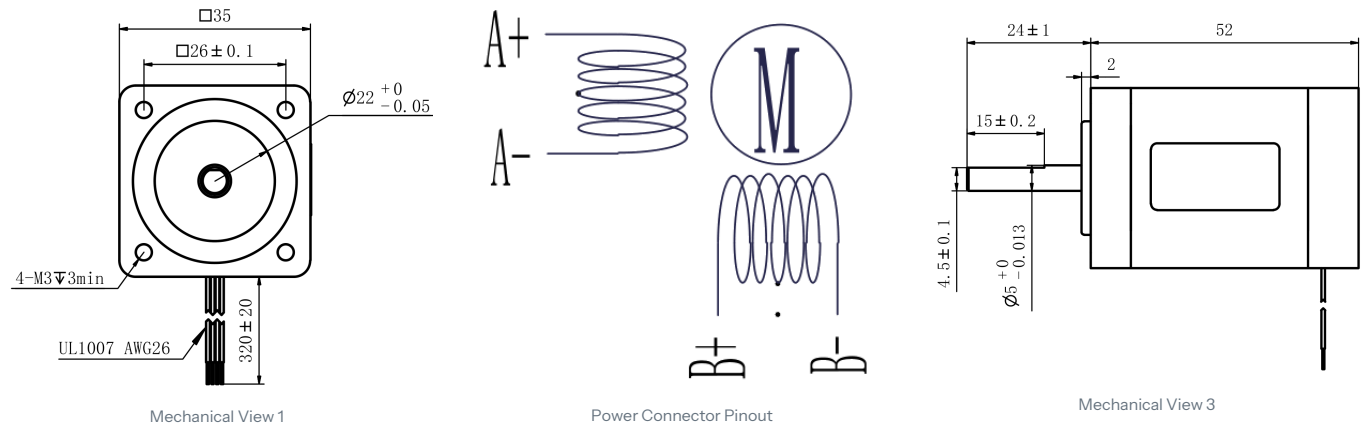
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	0.4	Nm	
ELECTRICAL			
Continuous Rated Current	1.5	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	2.8 ±10%	Ω	Measurement: 20 °C
Phase Inductance	3.8 ±20%	mH	Measurement: 1V, 1kHz
Insulation Class	B		
Insulation Resistance	100 (500 VDC)	MΩ	
MECHANICAL			
Body Length	52	mm	
Weight	0.26	kg	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	52	mm
Weight	0.26	kg

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Mounting flange outer dimension	35×35 mm square
	Mounting flange center hole dimension	26±0.1 mm square
	Output shaft hole diameter	Ø22 +0/-0.05 mm
	Mounting screw specification and depth	4× M3 thread, min 3mm depth
Mechanical View 3	Overall length	52 mm
	Mounting flange length	24±1 mm
	Mounting flange thickness	2 mm
	Mounting hole center distance	15±0.2 mm
	Mounting hole center to edge distance	4.5±0.1 mm
	Mounting hole diameter	φ5 +0/-0.013 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.