

PRODUCT DATASHEET

ES-ST-17H2061-200-4BL

Hybrid Stepper Motors

Hybrid Stepper Motors | 42 mm Hybrid Stepper Motor Series - ES-ST-HY05

Product Overview

Hybrid Stepper Motors with holding Torque 0.72 N·m, continuous Rated Current 2 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	0.72	N·m
Continuous Rated Current	2	A
Step Angle	1.8	°
Body Length	61	mm
Weight	0.5	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	1.8 ±10%	Ω
Insulation Class	B	

Technical Specifications

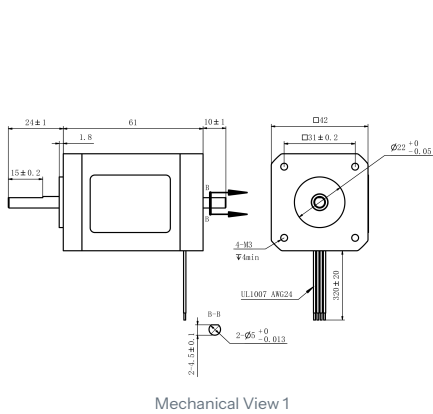
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	0.72	Nm	
ELECTRICAL			
Continuous Rated Current	2	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	1.8 ±10%	Ω	Measurement: 20 °C
Phase Inductance	4 ±20%	mH	Measurement: 1V, 1kHz
Insulation Class	B		
Insulation Resistance	100 (500 VDC)	MΩ	
MECHANICAL			
Body Length	61	mm	
Weight	0.5	kg	

Dimensional & Integration Overview

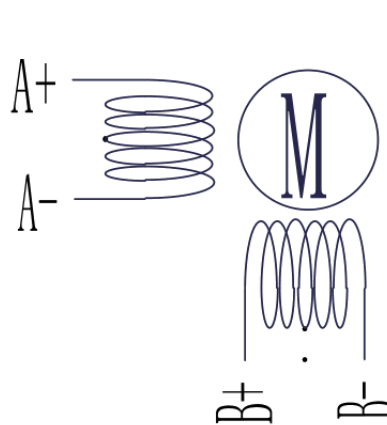
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	61	mm
Weight	0.5	kg

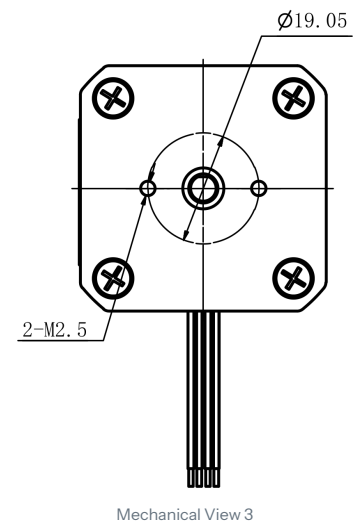
Dimensional Drawings



Mechanical View 1



Power Connector Pinout



Mechanical View 3

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Flange square dimension	□42
	Shaft shoulder protrusion	10±1
	Shaft extension length	24±1
	Motor body length	61
	Shaft flat depth	1.8
	Flange center boss dimension	□31±0.2
	Shaft diameter and tolerance	Φ22 +0/-0.05
	Rear mounting dimension	15±0.2
	Mounting hole specification	4-M3
	Surface roughness	▽4min
	Pilot hole diameter and tolerance	2-Φ5 +0/-0.013
	Pilot hole center spacing	2-4.5±0.1
Mechanical View 3	Center hole diameter	Φ19.05
	Mounting screw holes specification and quantity	2 x M2.5 threaded holes

[View Product Online](#)
[Request Engineering Data](#)
[Request a Quote](#)

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.