

PRODUCT DATASHEET

ES-ST-6H2030-030-4AL

Hybrid Stepper Motors

Hybrid Stepper Motors | 14 mm Hybrid Stepper Motor Series - ES-ST-HY01

Product Overview

Hybrid Stepper Motors with holding Torque 0.005 Nm, continuous Rated Current 0.3 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	0.005	Nm
Continuous Rated Current	0.3	A
Step Angle	1.8	°
Body Length	32	mm
Weight	0.035	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	23 ±10%	Ω
Insulation Class	B	

Technical Specifications

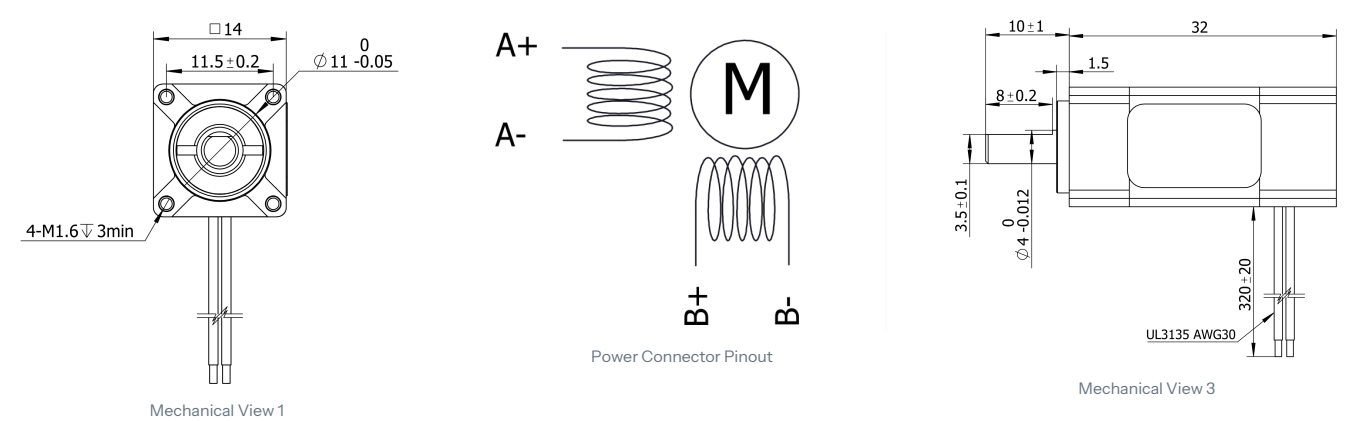
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	0.005	Nm	
ELECTRICAL			
Continuous Rated Current	0.3	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	23 ±10%	Ω	Measurement: 20 °C
Phase Inductance	4 ±20%	mH	Measurement: 1V, 1kHz
Insulation Class	B		
Insulation Resistance	100 (250 VDC)	MΩ	
MECHANICAL			
Body Length	32	mm	
Weight	0.035	kg	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	32	mm
Weight	0.035	kg

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Square mounting face outside dimension	Square 14
	Mounting hole center distance	11.5 ± 0.2
	Central shaft or pilot diameter	Diameter 11 with tolerance +0/-0.05
	Mounting threaded holes and minimum depth	4× M1.6 threaded holes, depth 3 min
Mechanical View 3	Shaft protrusion length	10 ± 1
	Motor body length	32
	Step or shoulder offset length	1.5
	Shaft end feature length	8 ± 0.2
	Shaft end feature height	3.5 ± 0.1
	Shaft diameter with tolerance	Diameter 4, +0 / -0.012

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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.