MY17HLX Series Digital Linear Actuator (External Nut)

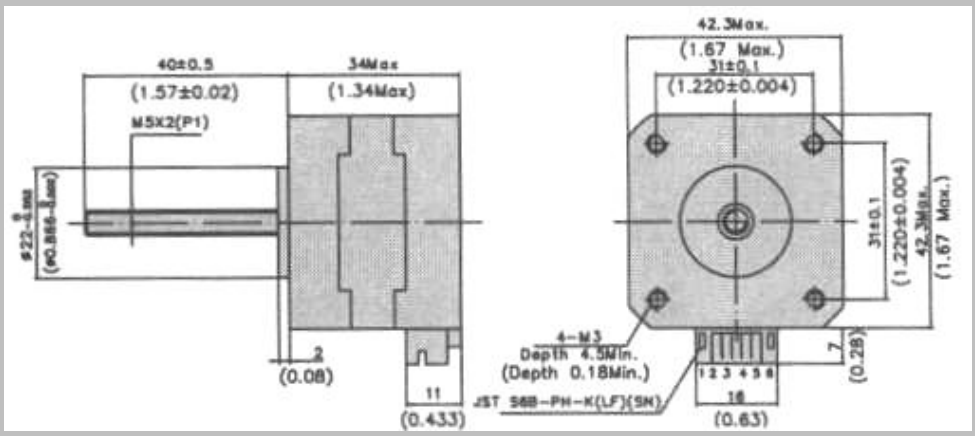
Digital linear actuators convert rotary motion to linear motion by means of a threaded lead screw shaft and a nut. In the MY17HLX series actuators, the linear motion is generated when the lead screw rotor rotates and the external nut travels along the shaft. Changing the direction of rotation combination moves the nut backwards or forwards, and motor speed determines the linear travel speed of the nut. The travel length and speed can be digitally controlled by the input of data pulses from the driver.

Typical applications include various zoom controls, X-Y stages, and valve actuation.

General Specifications

Step Accuracy:	Maximum angular deviation is ±5% of one step
Shaft Material:	SUS 303
Insulation Resistance:	Minimum 100MΩ at 500V dc
Insulation Class:	B
Temperature Rise:	Maximum 80°C

Model	No. of Leads	Step Distance	Phase Current	Phase Resistance	Phase Inductance	Rotor Inertia	Mass
		mm	A	Ω	mH	$g.cm^2$	g
MY17HLX0-X	4	0.010	0.24	35	44	38	200
MY17HLX2-X	4	0.015	0.50	25	45	57	240
MY17HLX4-X	4	0.040	0.40	30	40	1738	200



Dimensions (mm)

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