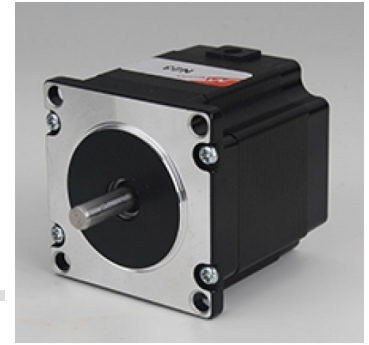




Nema 23



1.8° Hybrid Stepper Motor

Design

Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

Features

Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

Application

3D Printer, CNC Machine, HealthCare, Diamond Machines etc

Options

Main Feature Maximum efficiency/optimal power consumption Low noise and vibrations design Low heat generation High torque at low speed High Accuracy

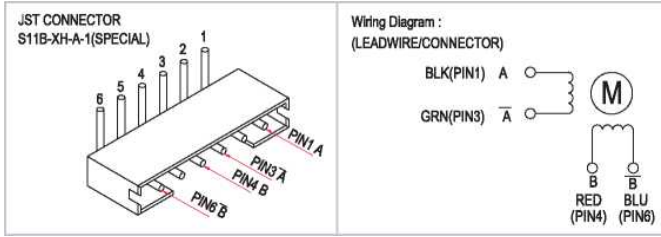
Standard Data

Parameter	Value	Unit
Motor Type	Hybrid Stepper Motor	
Electrical Enclosure	40	IP
Mounting	0 5.0 X 4 holes Through	
Connection	Fly out Flexible leads 22AWG, 200mm length, ends stripped 10mm/Connector (on request)	
No. of steps/rotation	200	
Step Angle Accuracy	±5%(full step,no load)	
Insulation Class	A	
Temperature Rise	80°C Max(rated current,2 phase on)	°C
Ambient Temperature	-20°C~+50°C	°C
Shaft Radial Play	0.02 Max(450 g-load)	mm
Shaft Axial Play	0.08 Max(450 g-load)	mm

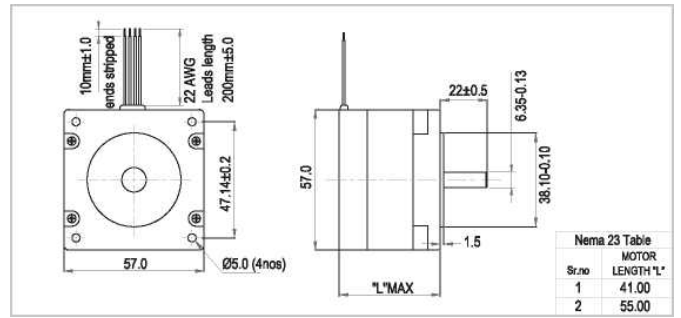
Technical Data

Parameter	Value	Unit
Step Angle	1.8°	°
Operating Voltage	24-48	V
Winding Type	Bipolar	
Current/ Phase	4.2	A
Resistance/ Phase	0.4	Ω
Inductance/ Phase	1.2	mH
Detent Torque	3.5	Ncm
Holding Torque	110	Ncm
Rotor Inertia	280	gcm ²
Weight	675	g
Length	55	mm
No of Leads	4	

Connection Diagram



Dimensional Drawing



Speed & Torque Graph

