



MOTOR SPECIFICATION	
No. of Poles	2
Rated Voltage	V DC 24
Current - Rated / Peak	A 1.33 / 4.0
Resistance Line to Line	$\pm 10\%$ Ω 1.67
Inductance Line to Line (1kHz)	$\pm 20\%$ mH 0.056
Torque - Rated / Peak	Nm 0.01 / 0.03
Torque Constant	Nm/A 0.00748
Rated Power	W 25
Speed - No Load / Rated	$\pm 10\%$ rpm 32000 / 24000
Rotor Inertia	kg m ² 1.02 x 10 ⁻⁶

WIRING DIAGRAM			
	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG24
	Rd	V	
	Bk	W	

A-Shaft		B-Shaft	
Max. Axial Force	Fa	N	2
Max. Radial Force	Fr (a1 = 5 mm)	N	5
Axial Play	Fa = 4 N	mm	0.14
Radial Play	Fr = 4 N	mm	0.02

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ... 50
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	M Ω	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
REV	Rev. Text	Name	Date	Date	Name	Date	Name
02	Changed Length	Knoll_J	02.09.2020	Released	21.11.2018	Knoll_J	
01	change NO LOAD SPEED			Released	21.11.2018	Knoll_J	

Weight: 0.065 kg	
DS16L024240-A	
03000197	
State: Released	Rev: 02 CONFIDENTIAL

