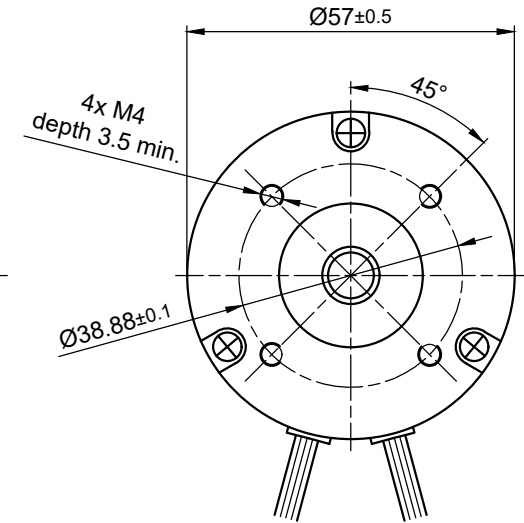
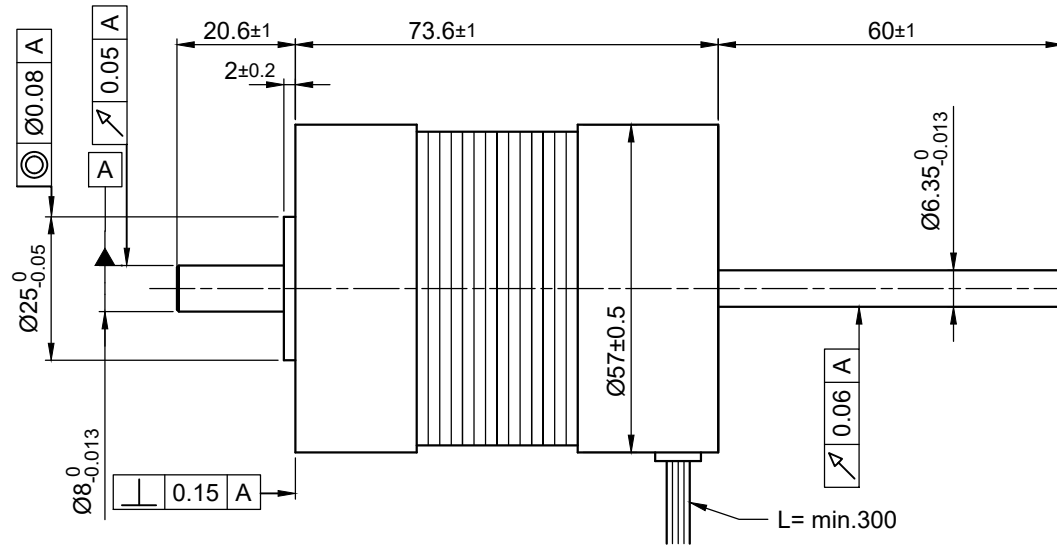
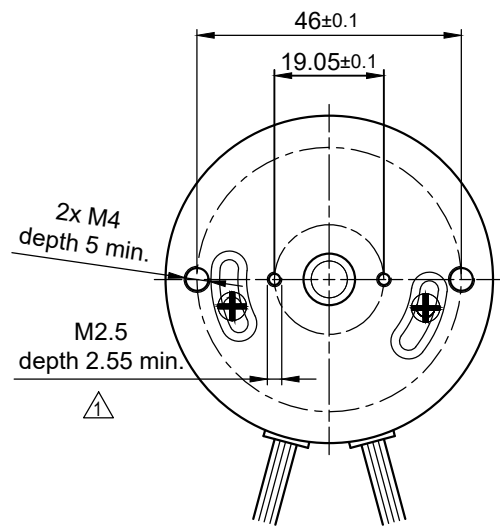




MOTOR SPECIFICATION

No. of Poles	6
Rated Voltage	V DC 24
Current - Rated / Peak	A 9.4 / 28
Resistance Line to Line	±10% Ω 0.22
Inductance Line to Line (1kHz)	±20% mH 0.29
Torque - Rated / Peak	Nm 0.47 / 1.41
Torque Constant	Nm/A 0.05
Back-EMF Constant	V _{rms} /krpm 3.8
Rated Power	W 172
Speed - No Load / Rated	±10% rpm 4500 / 3500
Rotor Inertia	kg m ² 11.9 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG18
	Rd	V	
	Bk	W	
Hall 18 Impl. per Rev.	Rd	+5V	UL1430 AWG26
	Bu	H1	
	Gn	H2	
	Wh	H3	
	Bk	GND	

A-Shaft	Preload Spring	B-Shaft
Max. Axial Force	Fa	N 15
Max. Radial Force	Fr (a2 = 20 mm)	N 75
Axial Play	Fa = 40 N	mm 0.025
Radial Play	Fr = 4.6 N	mm 0.025

Hall Signal	H1 H2 H3
Phase Voltage	
Back EMF	U-V V-W W-U

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	MΩ 100
Dielectric Strength (for 1 min - coil to case)	V AC 500

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
		Date	Name
		Drawn	04.12.2017 Import
		Checked	06.12.2018 Knoll_J
		Approved	11.12.2018 Schneid_A
01	change depth screw M2.5	Schneid_A	11.12.2018
REV	Rev. Text	Name	Rel. Date



Weight: 0.72 kg	
DB59L024035R-B3	
04000038	-
State: Released	Rev: 01
P	A4-Q