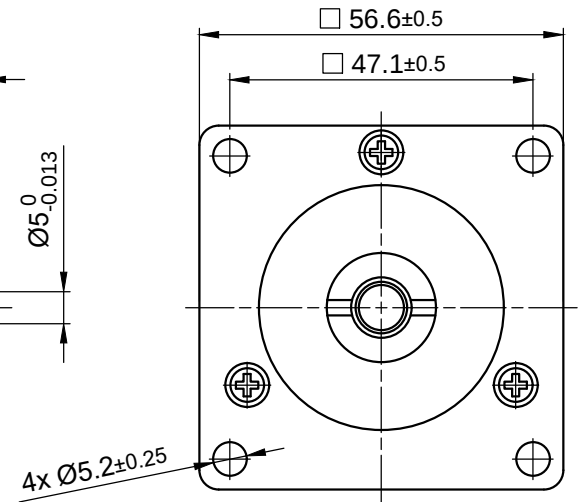
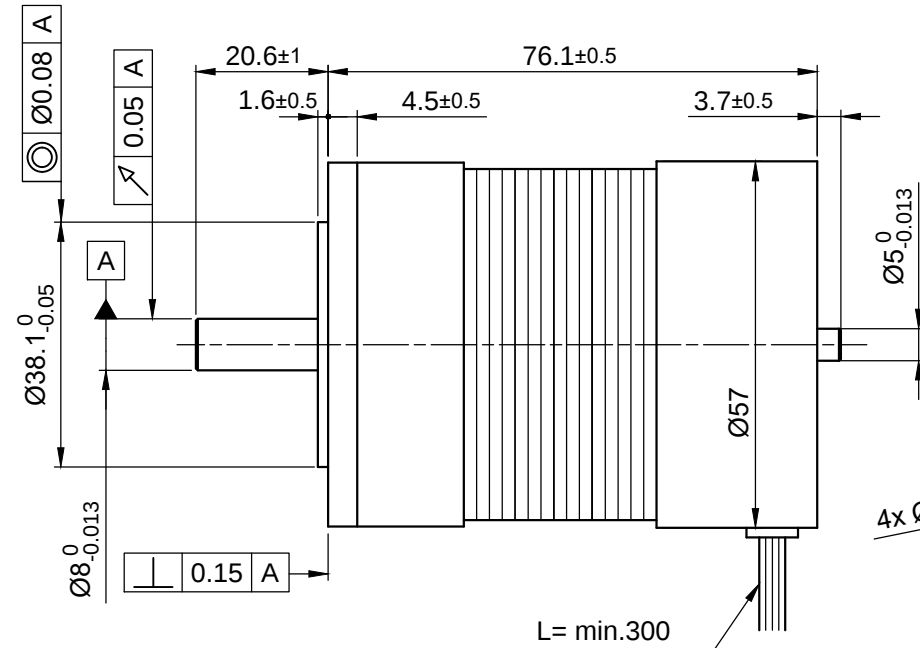
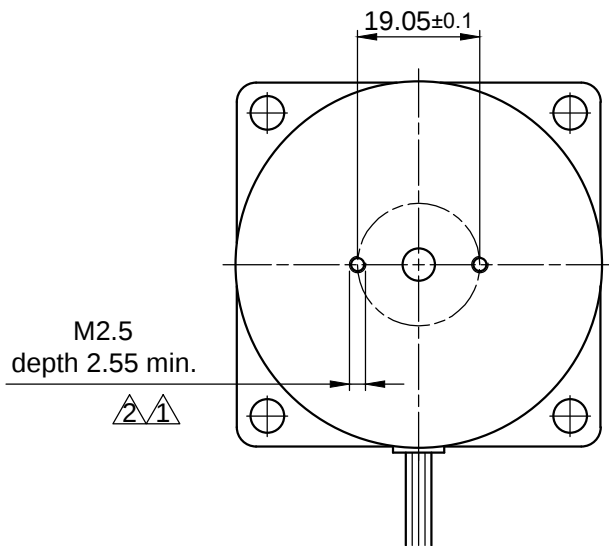




MOTOR SPECIFICATION

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	

A-Shaft	Preload Spring	B-Shaft
Max. Axial Force F_a	N	15
Max. Radial Force F_r ($a_1 = 5$ mm)	N	130
Axial Play $F_a = 10$ N	mm	-0.03
Radial Play $F_r = 5.0$ 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	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
		Checked	06.12.2018
		Approved	11.12.2018
02	change depth screw M2.5	Schneid_A	11.12.2018
REV	Rev. Text	Name	Rel. Date



Weight: 0.72 kg	
DB59L024035-B	
03000098	-
State: Released	Rev: 02
P	A4-Q