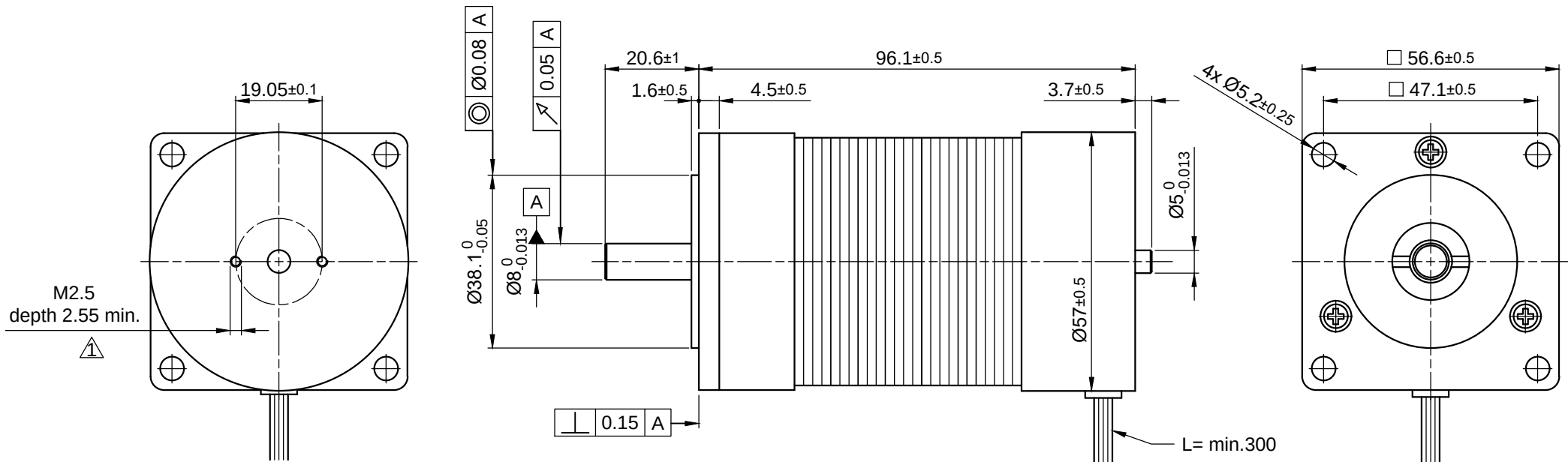




MOTOR SPECIFICATION

No. of Poles	6
Rated Voltage	V DC 48
Current - Rated / Peak	A 6 /18
Resistance Line to Line	$\pm 10\%$ Ω 0.5
Inductance Line to Line (1kHz)	$\pm 20\%$ mH 0.8
Torque - Rated / Peak	Nm 0.6 /1.8
Torque Constant	Nm/A 0.1
Rated Power	W 220
Speed - No Load / Rated	$\pm 10\%$ rpm 4500 /3500
Rotor Inertia	kg m ² 17.3×10^{-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 $F_r = 5$ 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		Weight: 0.95 kg	
				Date		Name		DB59C048035-B	
				Drawn	04.12.2017	Import			
				Checked	31.08.2018	Reith_S			
				Approved	06.12.2018	Schneid_A		03000092	
01	change depth screw M2.5	Schneid_A	06.12.2018			State: Released		Rev: 01	P
REV	Rev. Text	Name	Rel. Date						