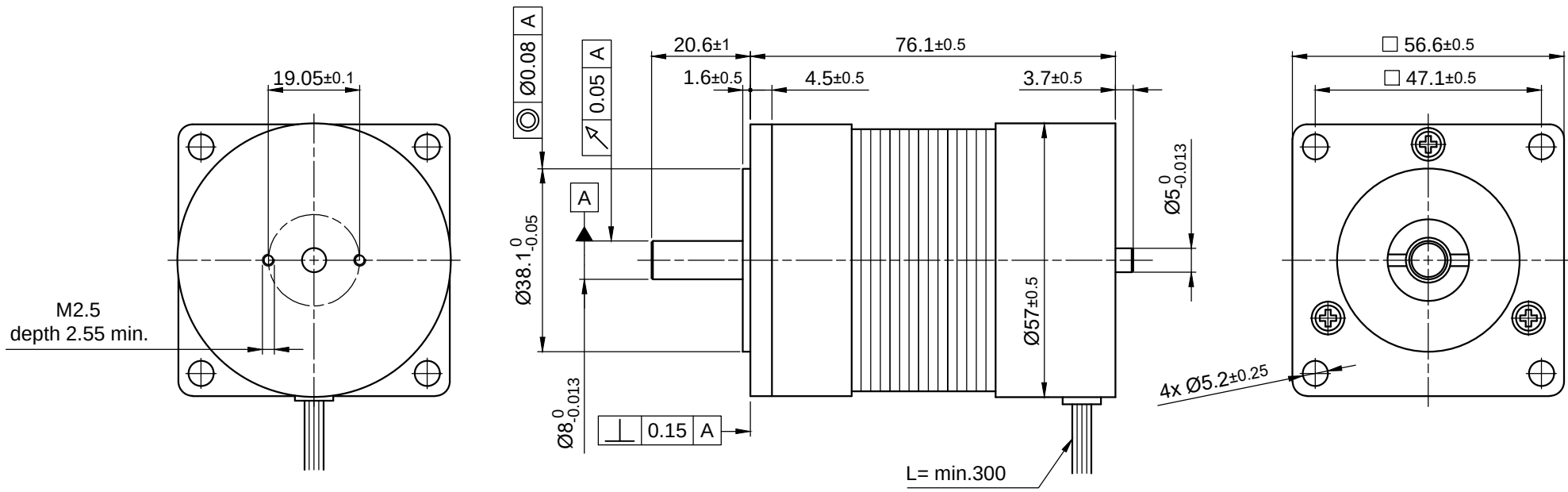




MOTOR SPECIFICATION		
No. of Poles	6	
Rated Voltage	V DC	48
Current - No Load / Rated / Peak	A	<0.8/5.33/16
Resistance Line to Line	±10% Ω	0.8
Inductance Line to Line (1kHz)	±20% mH	1.2
Torque - Rated / Peak	Nm	0.47 /1.41
Torque Constant	Nm/A	0.1
Rated Power	W	172
Speed - No Load / Rated	±10% rpm	4500 /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	09.04.2019	Schneid_A	
				Checked	10.04.2019	Reith_S	
				Approved	----	----	
REV	Rev. Text	Name	Rel. Date				

			Weight: 0.72 kg		
DB59L048035-B					
03200078			-		
			A4-Q		
State: Sample		Rev: -		P	