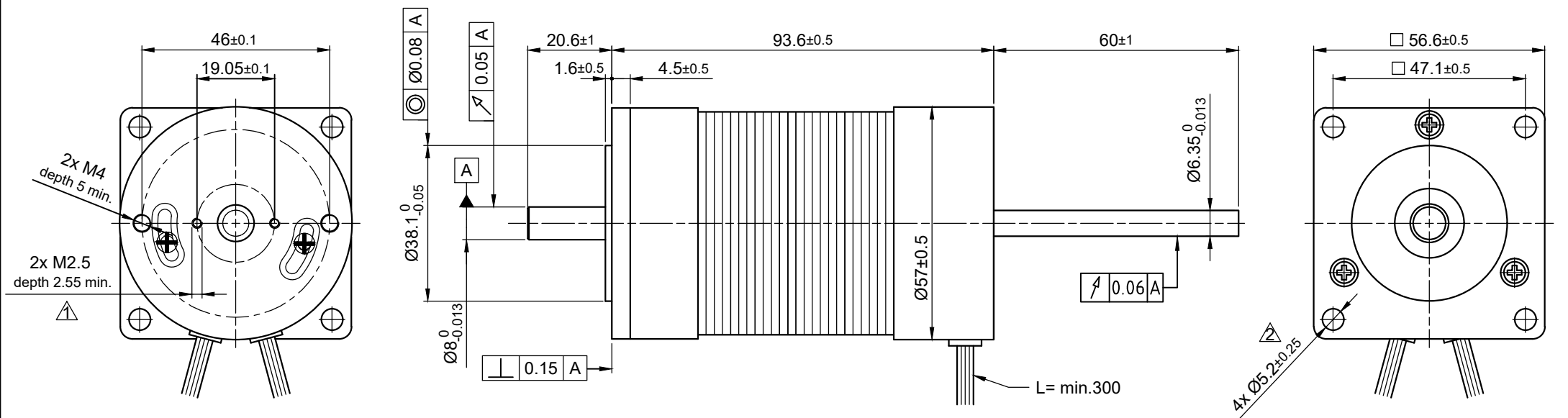


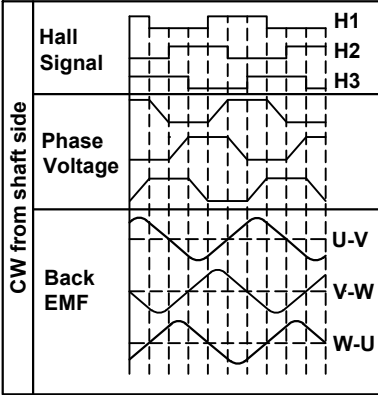


MOTOR SPECIFICATION		
No. of Poles	6	
Rated Voltage	V DC	48
Current - Rated / Peak	A	6 /18
Resistance Line to Line	±10% Ω	0.5
Inductance Line to Line (1kHz)	±20% mH	0.8
Torque - Rated / Peak	Nm	0.6 /1.8
Torque Constant	Nm/A	0.1
Rated Power	W	220
Speed - No Load / Rated	±10% rpm	4500 /3500
Rotor Inertia	kg m ²	17.3 x10 ⁻⁶

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

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



ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715		Weight: 0.95 kg	
					Date		Name	DB59C048035-B3	
					Drawn	04.12.2017	Import		
					Reviewed	06.12.2018	Knoll_J		
					Released	06.12.2018	Schneid_A	03000094	
02	change tol. diam. 5.2	Reith_S	25.11.2021	Released	06.12.2018	Schneid_A			
01	change depth screw M2.5	Hofstetter_M	06.12.2019						
REV	Rev. Text	Name	Date			State: Released		Rev: 02	CONFIDENTIAL