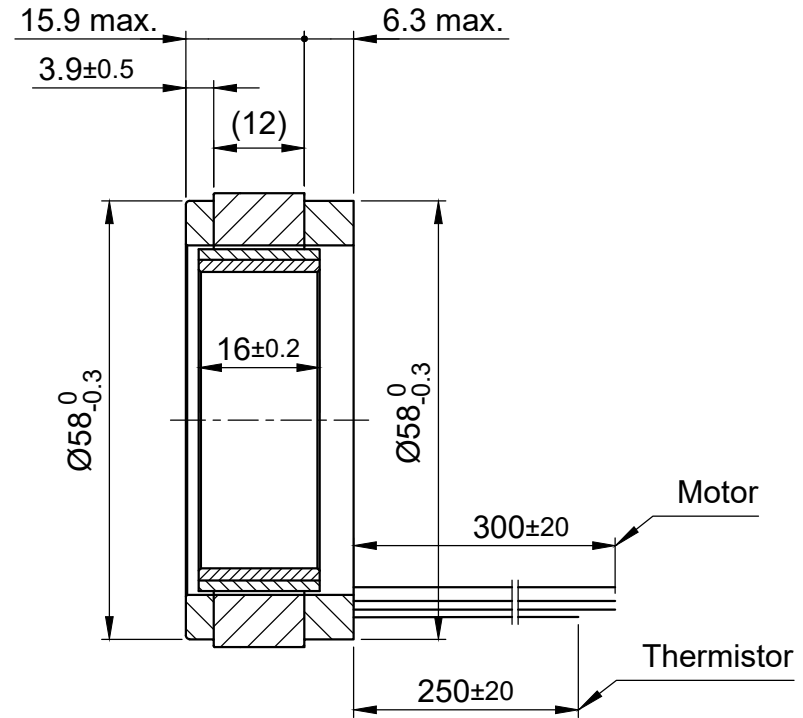
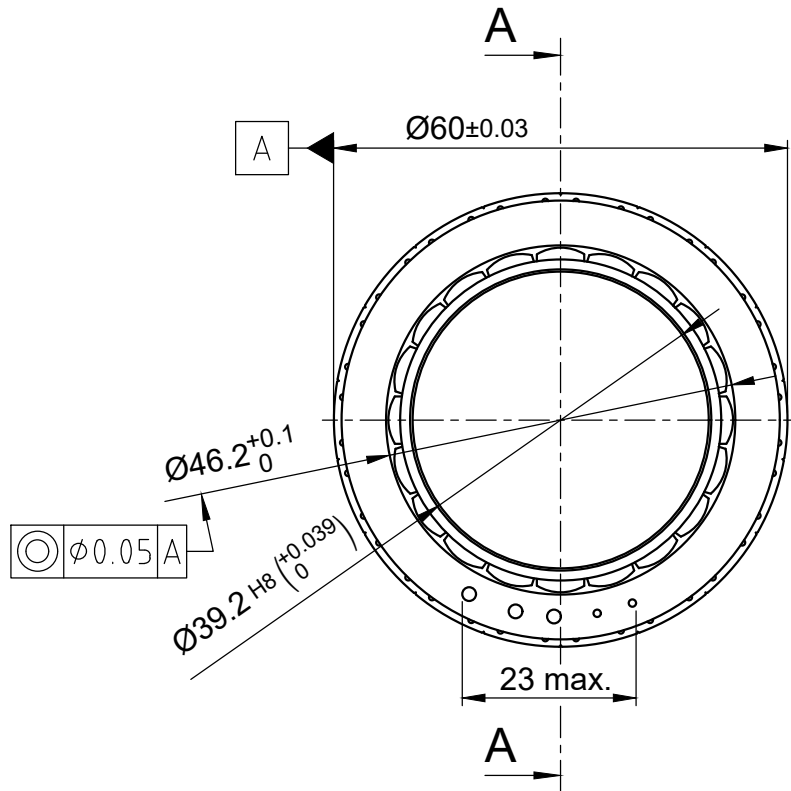


View A-A



MOTOR SPECIFICATION

No. of Poles	20
Rated Voltage	V DC 48
Current - Rated / Peak	A 6.1 /15.0
Resistance Line to Line	±10% Ω @20° 0.615
Inductance Line to Line (1kHz)	±20% mH 0.46
Torque - Rated / Peak	Nm 0.45 /1.35
Torque Constant	Nm/A 0.096
Rated Power	W 188
Speed - No Load / Rated	±10% rpm 5200 / 4000
Rotor Inertia	kg m ² 17.2 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	YE	U	UL1332 AWG20
	RD	V	
	BK	W	
Thermistor	WH	NTC1	UL1332 AWG26
	WH	NTC2	

Thermistor (NTC): R25: 100kΩ±5%; B25/50: 3950±1%

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ...50
Storage Temperature	°C	-20 ...85
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100 @500VDC
Dielectric Strength (for 1 sec - coil to case)	V AC	1000

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715				Weight: ±10% 0.16 kg	
					Date	Name		DKA60M048045			
				Drawn	21.11.2024	Schneid_A					
				Reviewed	10.02.2025	Reith_S					
				Released	10.02.2025	Reith_S					
01	CR_Nr. 2025-0043	Schneid_A	23.07.2025			20002713				A4 Page 1	
REV	Rev. Text	Name	Date			State: Released		Rev: 01		CONFIDENTIAL	