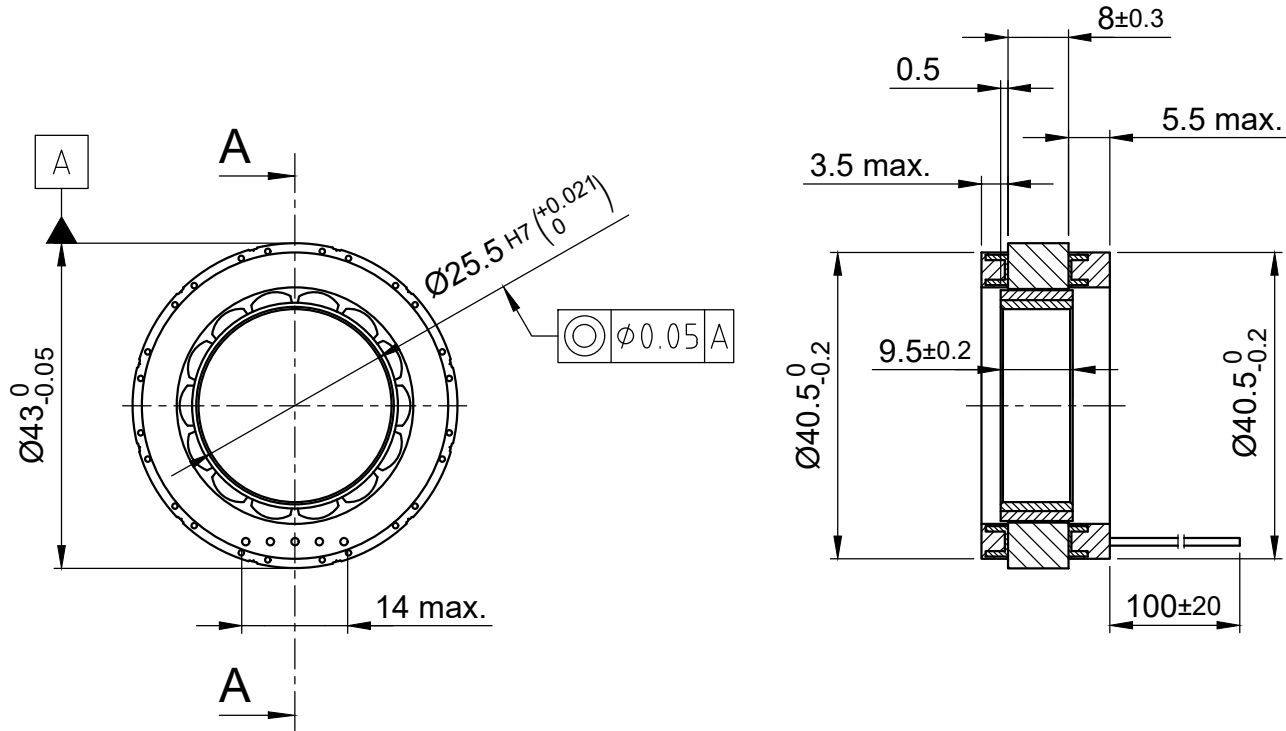


View A-A



MOTOR SPECIFICATION			
No. of Poles	14		
Rated Voltage	V DC	48	
Current - Rated / Peak	A	2.4 / 6.0	
Resistance Line to Line	$\pm 10\% \Omega @ 20^\circ$	2.8	
Inductance Line to Line (1kHz)	$\pm 20\% \text{ mH}$	1.8	
Torque - Rated / Peak	Nm	0.15 / 0.45	
Torque Constant	Nm/A	0.081	
Rated Power	W	78	
Speed - No Load / Rated	$\pm 10\% \text{ rpm}$	7300 / 5000	
Rotor Inertia	kg m^2	2.7	$\times 10^{-6}$

GENERAL MOTOR SPECIFICATION			
Ambient Temperature	$^\circ\text{C}$	-20 ... 50	
Storage Temperature	$^\circ\text{C}$	-20 ... 85	
Max. Temperature Rise (at standstill)	$^\circ\text{C}$	80	
Max. Ambient Humidity (non condensing)	%	85	
Insulation Class		B	
Insulation Resistance	M Ω	100 @ 500VDC	
Dielectric Strength (for 1 sec - coil to case)	V AC	1000	

WIRING DIAGRAM			
	Colour	Function	Lead Gauge
Motor	YE	U	UL1332 AWG24
	RD	V	
	BK	W	
Thermistor	WH	NTC1	UL1332 AWG26
	WH	NTC2	

Thermistor (NTC): R25: 100k Ω $\pm$ 5%; B25/50: 3950 $\pm$ 1%

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715				Weight: ±10% 0.070 kg	
					Date	Name		DKA43M048050			
				Drawn	05.11.2024	Schneid_A					
				Reviewed	10.02.2025	Reith_S					
				Released	10.02.2025	Reith_S					
01	CR_Nr. 2025-0043	Schneid_A	23.07.2025			20002685				A4 Page 1	
REV	Rev. Text	Name	Date			State: Released		Rev: 01		CONFIDENTIAL	