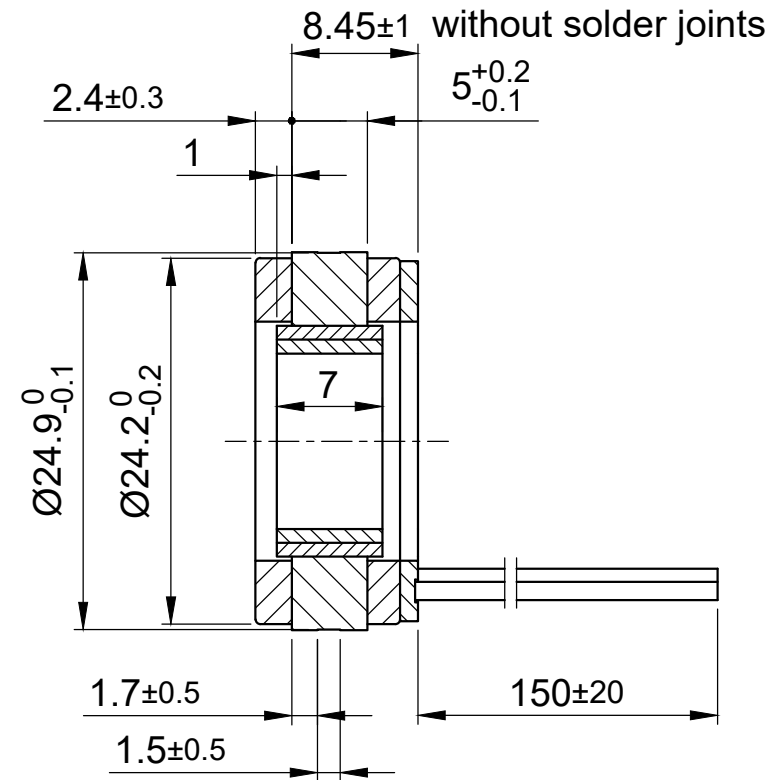
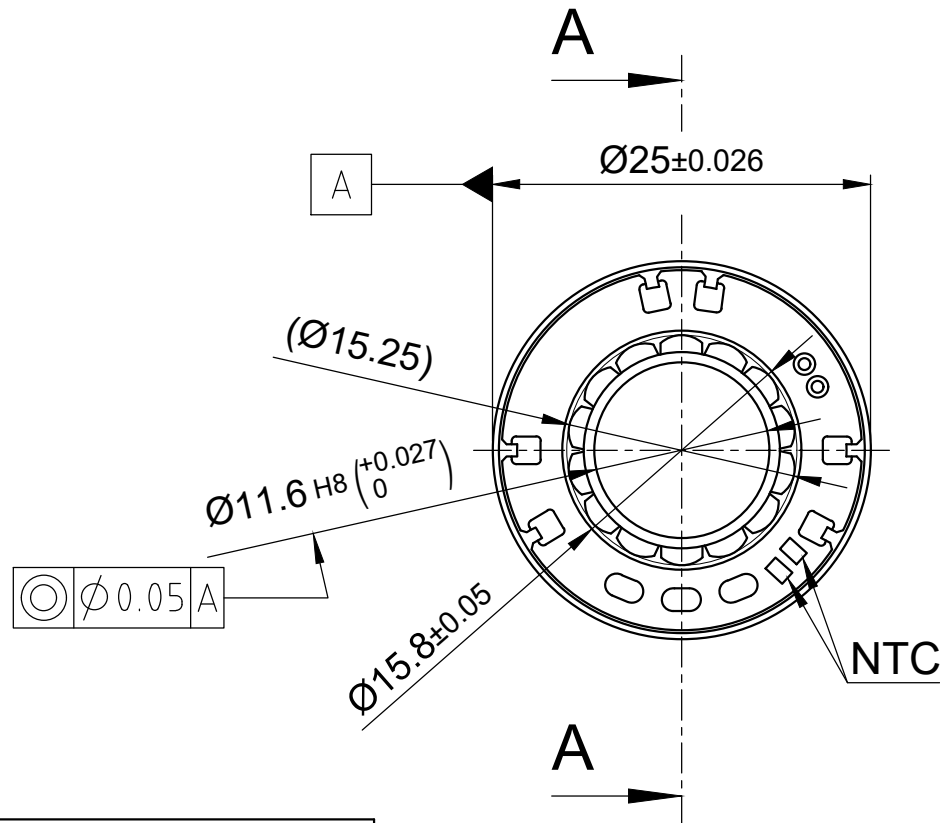


View A-A



MOTOR SPECIFICATION

No. of Poles	14
Rated Voltage	V DC 24
Current - Rated / Peak	A 1.8 / 5.0
Resistance Line to Line	±10% Ω @20° 1.7
Inductance Line to Line (1kHz)	±20% mH 0.6
Torque - Rated / Peak	Nm 0.032 / 0.105
Torque Constant	Nm/A 0.0228
Rated Power	W 33
Speed - No Load / Rated	±10% rpm 12300 / 10000
Rotor Inertia	kg m ² 0.117 x10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	RD	U	AFR250
	WH	V	0.35mm ²
	BK	W	AWG22
Thermistor	YE	NTC1	UL1332
	YE	NTC2	AWG28

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	600

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715					Weight: ±10% 0.02 kg	
					Date	Name		DKA25M024100				
				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			20002715						
REV	Rev. Text	Name	Date			State: Released						Rev: 01