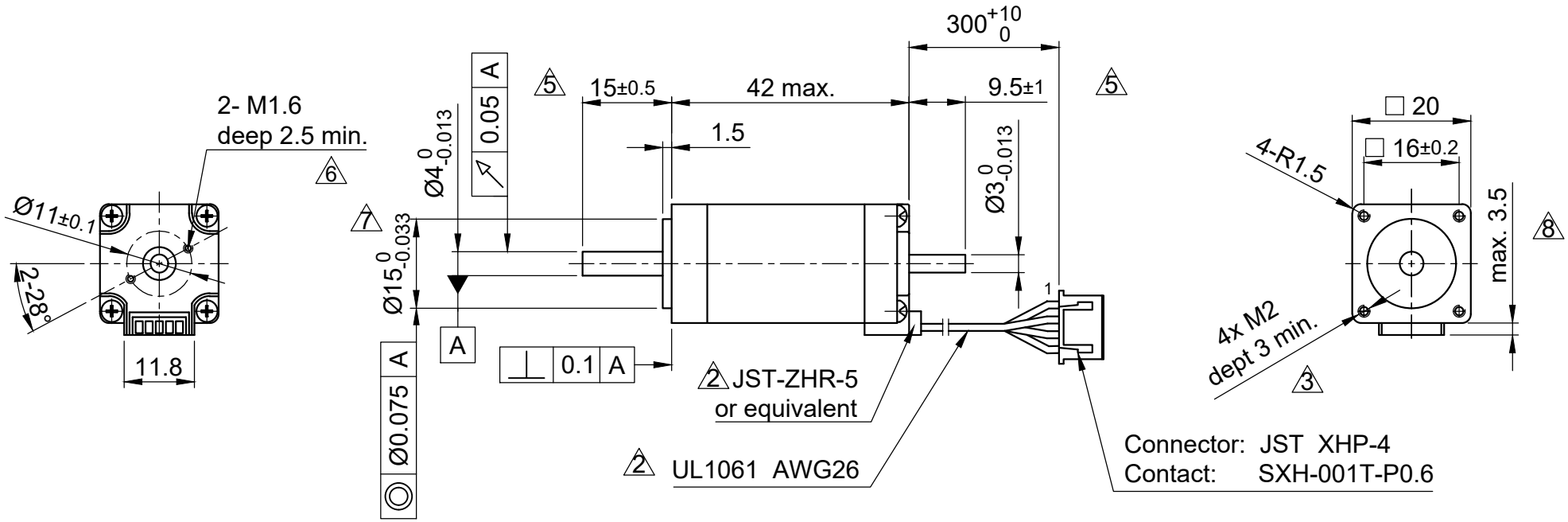
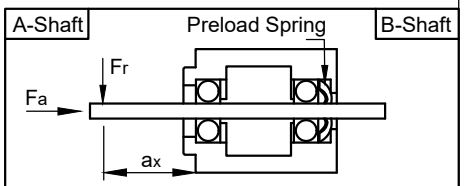


MOTOR SPECIFICATION		
Voltage	V DC	4.3
Current per Winding	A	0.8
Resistance per Phase (25°C) ±15%	Ω	5.4
Inductance per Phase (1 kHz) ±20%	mH	1.5
Holding Torque	Nm	0.03
Step Angle ±5%	°	1.8
Rotor Inertia	kg m²	0.36 x10^{-6}

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ...50
Max. Temperature Rise (at standstill - 2 phases energized)	°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

TYPE OF CONNECTION			
Bipolar	Pin No.	Wire Col.	Winding
A	1	BK	
A\	2	GN	
B	3	RD	
B\	4	BU	



Max. Axial Force Fa	N	4
Max. Radial Force Fr (a1 = 5 mm)	N	30
Max. Radial Force Fr (a2 = 20 mm)	N	8
Axial Play Fa = 10 N	mm	0.075
Radial Play Fr = 5.0 N	mm	0.025

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Replacement for drawing from 02.06.06	Weight: ±10% 0.08 kg

					Date	Name
				Drawn	26.10.2023	Kolev._I
				Reviewed	11.12.2023	Reith_S
				Released	11.12.2023	Reith_S
08	modified prod. process	Kolev._I	11.12.2023			
REV	Rev. Text	Name	Date			

Nanotec® PLUG & DRIVE

ST2018M0804-B

20002137

A4 Page 1

State: Released | Rev: 08 | CONFIDENTIAL