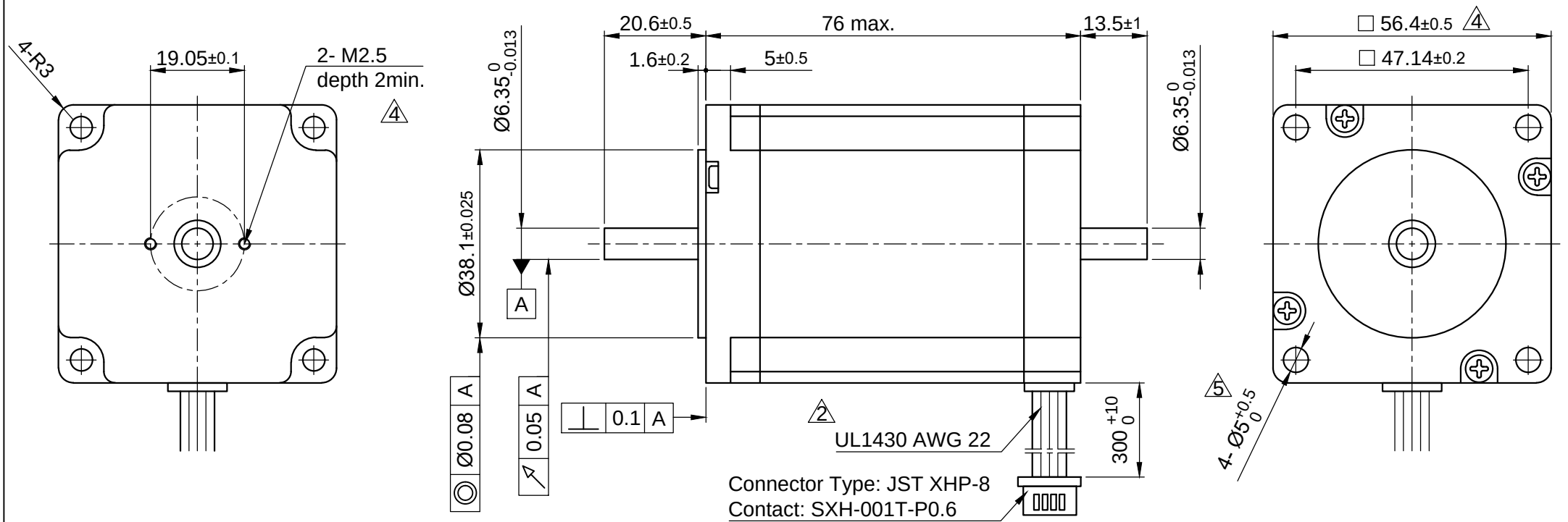


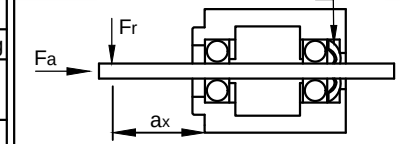
MOTOR SPECIFICATION		CONNECTION		
		UNIPOLAR	SERIES	PARALLEL
Voltage	V DC	8.8		
Current per Winding	A	1.0	0.71	1.41
Resistance per Phase (25°C) ±15%	Ω	8.8	17.6	4.4
Inductance per Phase (1 kHz) ±20%	mH	15.4 5	61.6 5	15.4 5
Holding Torque	Nm	1.32 3	1.87 3	1.87 3
Step Angle ±5%	°	1.8		
Rotor Inertia	kg m²	48 x10^{-6}		

1

TYPE OF CONNECTION

Unipolar	Series	Parallel	Pin No.	Wire Col.	Winding
A	A	A	1	BK	A
COM			3	BK/WH	
			2	GN/WH	A\
A\	A\	A\	4	GN	
B	B	B	5	RD	B
COM			7	RD/WH	
			6	BU/WH	B\
B\	B\	B\	8	BU	

A-Shaft — Preload Spring — B-Shaft



Max. Axial Force	Fa	N	15
Max. Radial Force	Fr (a1 = 5 mm)	N	130
Max. Radial Force	Fr (a2 = 20 mm)	N	52
Axial Play	Fa = 4.5 N	mm	0.08
Radial Play	Fr = 4.5 N	mm	0.02

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

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: 1.0 kg

	Date	Name
Drawn	04.12.2017	Import
Checked	28.03.2018	Schneid_A
Approved	28.03.2018	Schneid_A

REV	Rev. Text	Name	Rel. Date
05	change induc./rev. draw.	Schneid_A	28.03.2018

Nanotec® PLUG & DRIVE

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State: Released | Rev: 05 | P