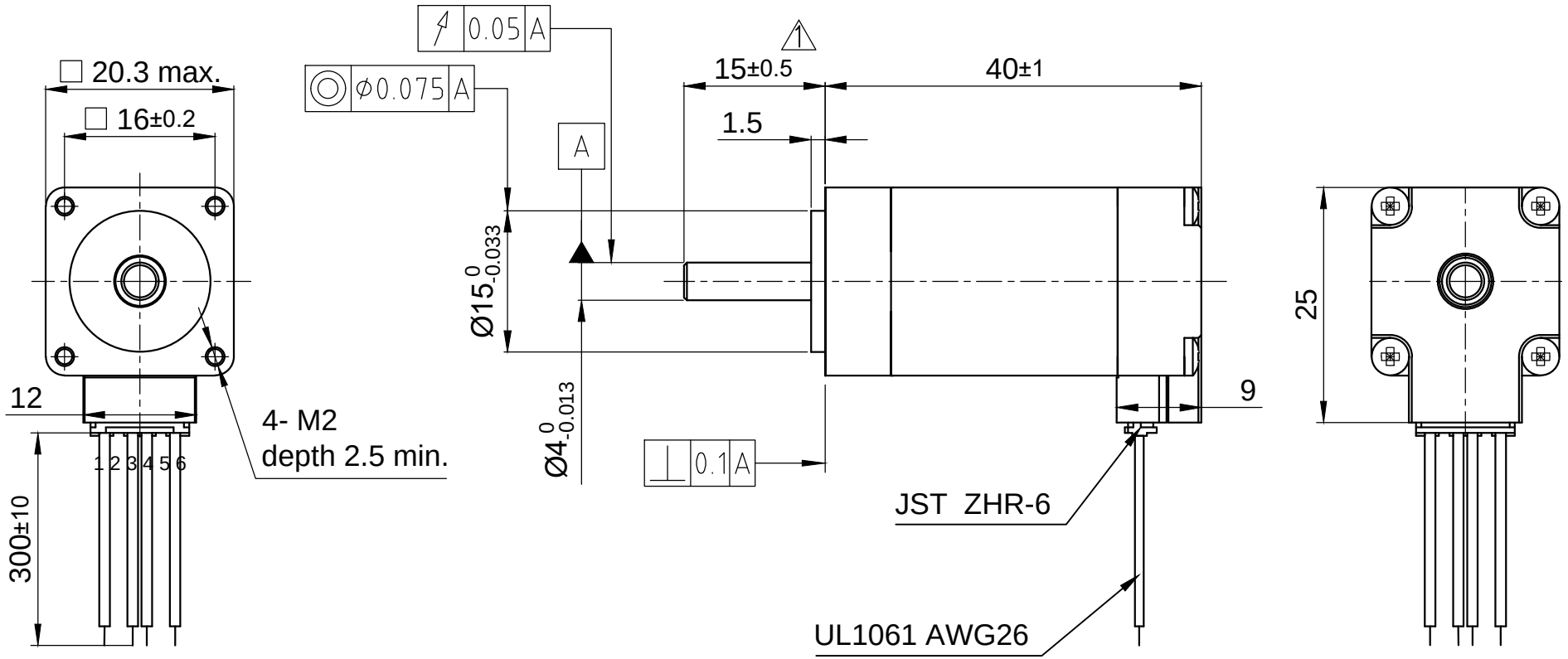
Front view and mounting

Side view

Rear view

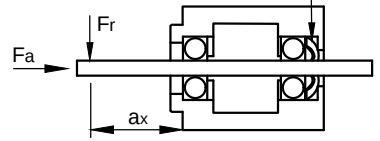


MOTOR SPECIFICATION		
Voltage	V DC	4.5
Current per Winding	A	0.8
Resistance per Phase (25°C) ±15%	Ω	5.6
Inductance per Phase (1 kHz) ±20%	mH	2.3
Holding Torque	Nm	0.036
Step Angle ±5%	°	1.8
Rotor Inertia	kg m²	0.29 x10^{-6}

GENERAL MOTOR SPECIFICATION			
Ambient Temperature	°C	Min. -10	Max. 50
Max. Temperature Rise (at standstill - 2 phases energized)	°C	80	
ATTN: MAKE SURE TEMPERATURE OF MOTOR CASE REMAINS BELOW 100°C			
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			
Series	Wire Col.	Pin No.	Winding
A	BK	1	
A\	GN	3	
B	RD	6	
B\	BU	4	

A-Shaft | Preload Spring | B-Shaft



Max. Axial Force Fa	N	4	
Max. Radial Force Fr (a1 = 5 mm)	N	10	
Axial Play Fa = 4	N	mm	0.08
Radial Play Fr = 4	N	mm	0.02

ISO 8015	ISO 1302	ISO 2768-1 cK	ISO 13715	Weight: 0.07 kg

		Date	Name
	Drawn	24.01.2018	Schneid_A
	Checked	07.02.2018	Seimel_G
	Approved	02.03.2018	Seimel_G

REV	Rev. Text	Name	Rel. Date
01	change tolerance A-shaft	Schneid_A	03.07.2018

Nanotec® PLUG & DRIVE

SCA2018M0804-A

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State: Released | Rev: 01 | P