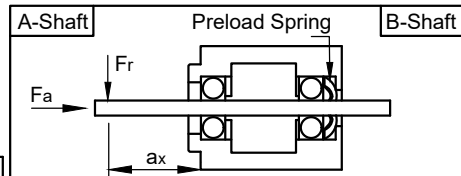


MOTOR SPECIFICATION		
Voltage	V DC	2.8
Current per Winding	A	1.4
Resistance per Phase (25°C)	$\pm 15\%$ $\Omega$	2.0
Inductance per Phase (1 kHz)	$\pm 20\%$ mH	1.6
Holding Torque	Nm	0.13
Step Angle	$\pm 5\%$ °	1.8
Rotor Inertia	kg m <sup>2</sup>	$2.0 \times 10^{-6}$

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	M $\Omega$	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

TYPE OF CONNECTION			
Bipolar	Pin No.	Wire Col.	Winding
A	1	BN	[Symbol]
A\	2	OG	
B	3	RD	[Symbol]
B\	4	YE	



Max. Axial Force $F_a$	N	7
Max. Radial Force $F_r$ ( $a_1 = 5$ mm)	N	58
Max. Radial Force $F_r$ ( $a_2 = 20$ mm)	N	20
Axial Play $F_a = 4.5$ mm	mm	0.08
Radial Play $F_r = 4.5$ N	mm	0.02

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Replacement for drawing from 17.10.2008	Weight: ~0.15 kg
			Date	Name	<b>ST4118X1404-A</b>
			Drawn	Schneid_A	
			Reviewed	Reith_S	
			Released	Reith_S	
02	change hold. torque	Schneid_A	24.03.2022		<b>20001408</b>
REV	Rev. Text	Name	Date		
				State: Released	A4 Page 1
				Rev: 02	CONFIDENTIAL