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MOTOR SPECIFICATION		CONNECTION		
		UNIPOLAR	SERIES	PARALLEL
Voltage	V DC	3.4		
Current per Winding	A	2.0	1.41	2.82
Resistance per Phase (25°C)	$\pm 15\%$ $\Omega$	1.7	3.4	0.85
Inductance per Phase (1 kHz)	$\pm 20\%$ mH	2.2	8.8	2.2
Holding Torque	Nm	0.75	1.06	1.06
Step Angle	$\pm 5\%$ °	1.8		
Rotor Inertia	kg m <sup>2</sup>	27.5	$\times 10^{-6}$	

5

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TYPE OF CONNECTION				
Unipolar	Series	Parallel	Wire Colour	Winding
A	A	A	BU/WH	A
COM			BU	
			RD/WH	A
A1	A1	A1	RD	
B	B	B	GN/WH	B
COM			GN	
			BK/WH	B
B1	B1	B1	BK	

A-Shaft		Preload Spring		B-Shaft	
$F_a$	$F_r$				
Max. Axial Force $F_a$	N	14			
Max. Radial Force $F_r$ ( $a_1 = 5$ mm)	N	163			
Max. Radial Force $F_r$ ( $a_2 = 20$ mm)	N	63			
Axial Play $F_a = 10$ N	mm	0.075			
Radial Play $F_r = 5.0$ N	mm	0.025			

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

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
			Date
			Name
			Drawn
			Reviewed
			Released
06	change voltage	Schneid_A	22.12.2021
REV	Rev. Text	Name	Date

Weight: ~0.6 kg	
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01000960	A4 Page 1
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CONFIDENTIAL	

