



MOTOR SPECIFICATION		
Voltage	V DC	4.2
Current per Winding	A	0.67
Resistance per Phase (25°C)	±15% Ω	6.2
Inductance per Phase (1 kHz)	±20% mH	5.76
Holding Torque	Nm	0.09
Step Angle	±5% °	1.8
Rotor Inertia	kg m <sup>2</sup>	0.9 × 10 <sup>-6</sup>

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ... 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	[Symbol]
A\	3	GN	
B	4	RD	[Symbol]
B\	6	BU	

A-Shaft		Preload Spring		B-Shaft	
Fa	Fr				
ax					
Max. Axial Force Fa	N			7.0	
Max. Radial Force Fr (a1 = 5 mm)	N			28 max.	
Axial Play	Fa = 4.0 N	mm		0.08	
Radial Play	Fr = 4.0 N	mm		0.02	

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: ~0.11 kg	
			Date	Name	SC2818S0604-A
			Drawn	Schneid_A	
			Reviewed	Reith_S	
			Released	Reith_S	
01	adjust dimension	Schneid_A	23.02.2023	20001899	
REV	Rev. Text	Name	Date	State: Released	
				Rev: 01	CONFIDENTIAL

