



MOTOR SPECIFICATION		
Voltage	V DC	1.95
Current per Winding	A	1.5
Resistance per Phase (25°C)	±15% Ω	1.3
Inductance per Phase (1 kHz)	±20% mH	1.0
Holding Torque	Nm	0.09
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	0.9 × 10 ⁻⁶

GENERAL MOTOR SPECIFICATION			
Ambient Temperature	°C	Min. -20	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	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	
Fr	Fa				
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 2768-1 cK	ISO 13715
		Date	Name
		Drawn	04.12.2017
		Checked	12.01.2018
		Approved	12.01.2018
02	adjust dimension	Schneid_A	
01	added note		25.01.2018
REV	Rev. Text	Name	Rel. Date

Weight: ~0.11 kg		SC2818S1504-B	
State: Released		Rev: 02	CONFIDENTIAL
		A4	

