





MOTOR SPECIFICATION						
No. of Poles		4 /4 /2				
Rated Voltage	V DC	15				
Current - No Load / Rated / Pea	ak A 4\2	<0.3/0.45/1.3				
Resistance Line to Line	±10% Ω	8.2				
Inductance Line to Line (1kHz)	±20% mH	2.3 2 1				
Torque - Rated / Peak	√5\ Nm ∕4\∕2\	0.005 /0.015				
Torque Constant	Nm/A 5	0.0143				
Rated Power 4	w ⁄5\	4.2 4				
Speed - No Load / Rated	±10% rpm /2	9600 /8000				
Rotor Inertia	kg m² ⁄2	0.235 x10 ⁻⁶				

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WIRING DIAGRAM							
	Colour	Function	Lead Gauge				
Motor	GN	U	UL1007				
	RD	٧	AWG26				
	BK	W	7111020				
Hall	YE	+5V					
12 Impl. per	BU	H1					
	OG	H2	UL1007 AWG26				
	BN	H3	AWG26				
Rev.	WH	GND					

A-Shaft	Preload Spring	E	3-Shaft
Fa 🗪	Fr FOI TON		
Max. Axi	al Force Fa	N	2 5
Max. Ra	dial Force Fr (a1 = 10 mm)	Ζ	15
Axial Pla	ay Fa = 4.5 N	mm	0.08

Fr = 4.5 N

mm 0.02

Weight: 0.06 kg

GENERAL MOTOR SPECIFICATION					
Ambient Temperature	°C	-1050			
Max. Temperature Rise (at standstill)	°C	80			
Max. Ambient Humidity (non condensing)	%	85			
Insulation Class		В			
Insulation Resistance	МΩ	100			
Dielectric Strength (for 1 min - coil to case)	V AC	500			

	SO 13715	I	3 cK	ISO 2768	!	ISO 1302	SO 8015	15
	Name		Date					
	Import	2017	04.12.20	Drawn				
	Schneid_A	2018	28.06.20	Checked				
03000	Schneid_A	2018	28.06.20	Approved				
103000	() Nanotec [®]			28.06.2018	Schneid_A	change values	05	
State: Re	UG & DRIVE		1 4 4		Rel. Date	Name	Rev. Text	REV

		DB28S01		
	03000004		•	-
)	0300004			A4-Q
	State: Released	Rev: 05	Р	

Radial Play