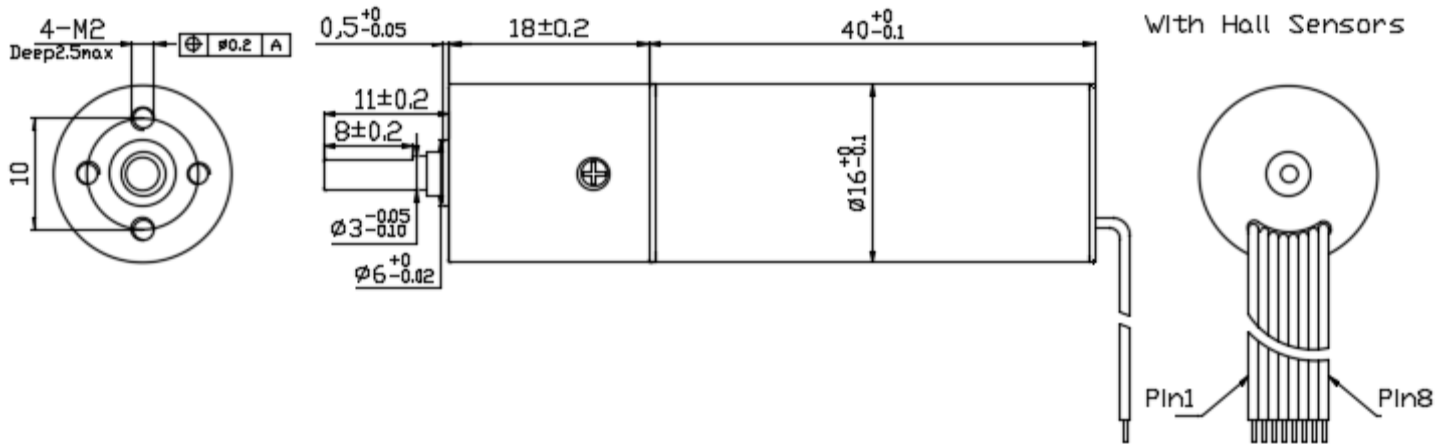


空心杯电枢绕组

Φ16*L40mm无刷电机Brushless DC motor

SINBAD EC motor



电机参数 Motor Datas			电机型号 Motor Model			
额定电压参数值 Value at rated voltage			XBD1640H2			
			4280WG-			
			0205-JS			
额定点 Nominal	1	额定电压 Rat voltage	V/DC	24		
	2	额定转速 Nominal speed	rpm	25143		
	3	额定电流 Nominal current	A	1.2		
	4	额定转矩 Nominal torque	mNm	11.26		
空载点 Free Load	5	空载转速 No load speed	rpm	28900		
	6	空载电流 No load current	mA	165.0		
最大效率点 At Max. Efficiency	7	最大效率 Max. efficiency	%	73.3		
	8	转速 Speed	rpm	26733		
	9	电流 Current	A	0.8		
	10	转矩 Torque	mNm	4.564		
最大输出功率点 At Max.Output	11	最大功率 Max. output	W	46.0		
	12	转速 Speed	rpm	14450		
	13	电流 Current	A	4.1		
	14	转矩 Torque	mNm	30.43		
堵转点 At Stall	15	堵转电流 Stall current	A	8.0		
	16	堵转转矩 Stall torque	mNm	60.85		
电机常数 Motor Constants						
	17	电机阻抗 Terminal resistance	Ω	3.00		
	18	电机感抗 Terminal inductance	mH	0.23		
	19	转矩常数 Torque constant	mNm/A	0.008		
	20	转速常数 Speed constant	rpm/V	1204.2		
	21	转数/转矩常数 Speed/torque gradient	rpm/mNm	474.9		
	22	机械时间常数 Mechanical time constant	ms	0.0		
	23	转子惯量 Rotor inertia	gcm ²	0.5		
	电机特性曲线 (Motor Characteristics)					
	24	极对数 Number of pole pairs	1			
	25	相数 Number of phasses	3			
	26	重量 Weight of motor g	58			
	27	噪音 Typical noise level dB	≤45			
	28	减速比	1 : 3			

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电机端子定义 Motor terminal definition		
yellow	√ Hall sensor A	Pin1
yellow	√ Hall sensor B	Pin2
yellow	√ Hall sensor C	Pin3
Red	√ V hall+5 VDC	Pin4
Black	√ GND	Pin5
white	√ Motor winding A	Pin6
white	√ Motor winding B	Pin7
white	√ Motor winding C	Pin8

Connection: JST-PAP-06V-S ; V3

