

FUNCTION	COLOR
MOTOR U	BLUE(21AWG)
MOTOR V	BROWN(21AWG)
MOTOR W	PURPLE(21AWG)

Power Wire

技术要求:

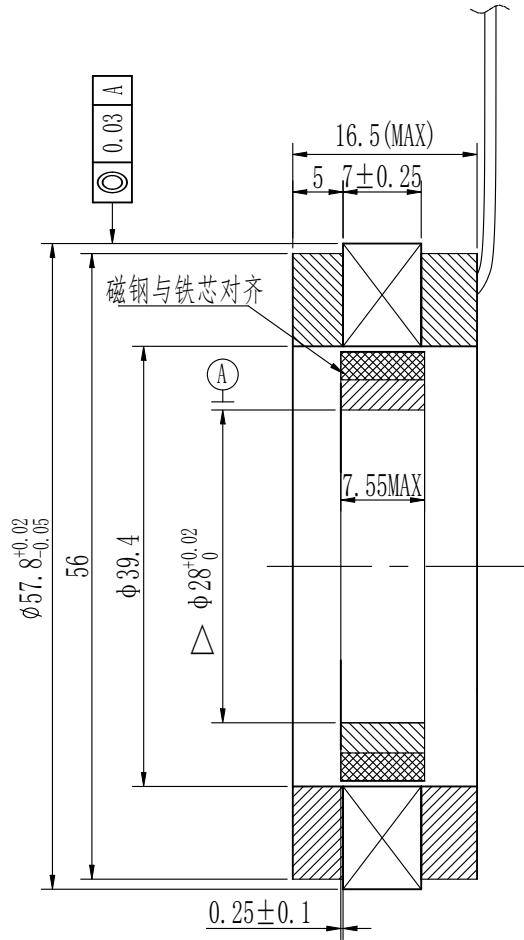
定子引出线按GB/T 7345-2008要求:

对定子三相线, 每根引出线应能承受9.0N的拉力;

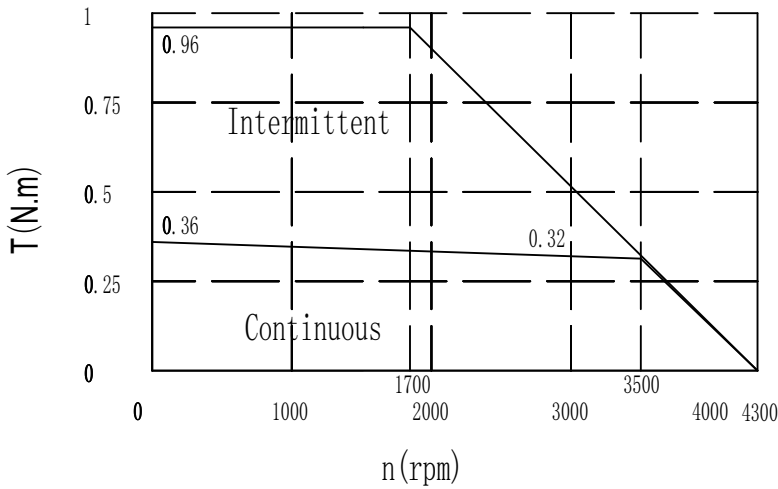
引出线不能断开, 绝缘层和线芯不能损坏。

动力线 (剥线5 搪锡)
L=130~150

受控



Performance Curve



Technical Data									
No. of poles					16				
DC Link Voltage U_{DC} (DC Link)						48			
Rated Power P_N (W)						117			
Rated Torque T_N (N.m)						0.32			
Rated Speed n_N (rpm)						3500			
Rated Current I_N (A)						3.2			
Maximum torque T_m (N.m)						0.96			
Maximum Current I_m (A)						10.5			
Standstill torque T_s (N.m)						0.36			
Standstill current I_s (A)						3.52			
Resistance line-line R_L (Ω)						$\pm 10\%$	1.32		
Close circuit inductance L_{L-c} (mH)					$\pm 20\%$	1.28			
Open circuit inductance L_{L-o} (mH)						1.75			
Electrical time constant τ_e (ms)						0.97			
Mechanical time constant τ_m (ms)						1.93			
Voltage constant K_e (V/krpm)					$\pm 5\%$	6.44			
Torque constant K_t (Nm/A)						0.107			
Rotor moment of inertia J_m (Kg.cm ²)						0.096			
Insulation class						F			
Weight (Kg)						0.14			
Feed back device									
Temperature Sensor									
Cooling method					Totally enclosed non-ventilated				
Environmental conditions			Temperature		guarantee the measured winding temperature is between -20℃ and 120℃				
			Humidity		Below 90%RH (No dewing)				
			Environment		Far away active gas,combustible gas,oil drop,ash.				
			Installation altitude		UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m				
HH	2025/03/17		DESIGN		DATE		P/N.	307090316SS	
APP'D	DATE		ZZJ		23-06-30		TITLE		
L	CONTR.		CHECK		23-06-30			USED ON	外形图
			LSJ						
			APPD		23-06-30		FMC05707-0011-3528N-8DS00		
			SL						
GLE PROJECTION 			SCALE				KINAVO MOTOR		
			SHEET OF						