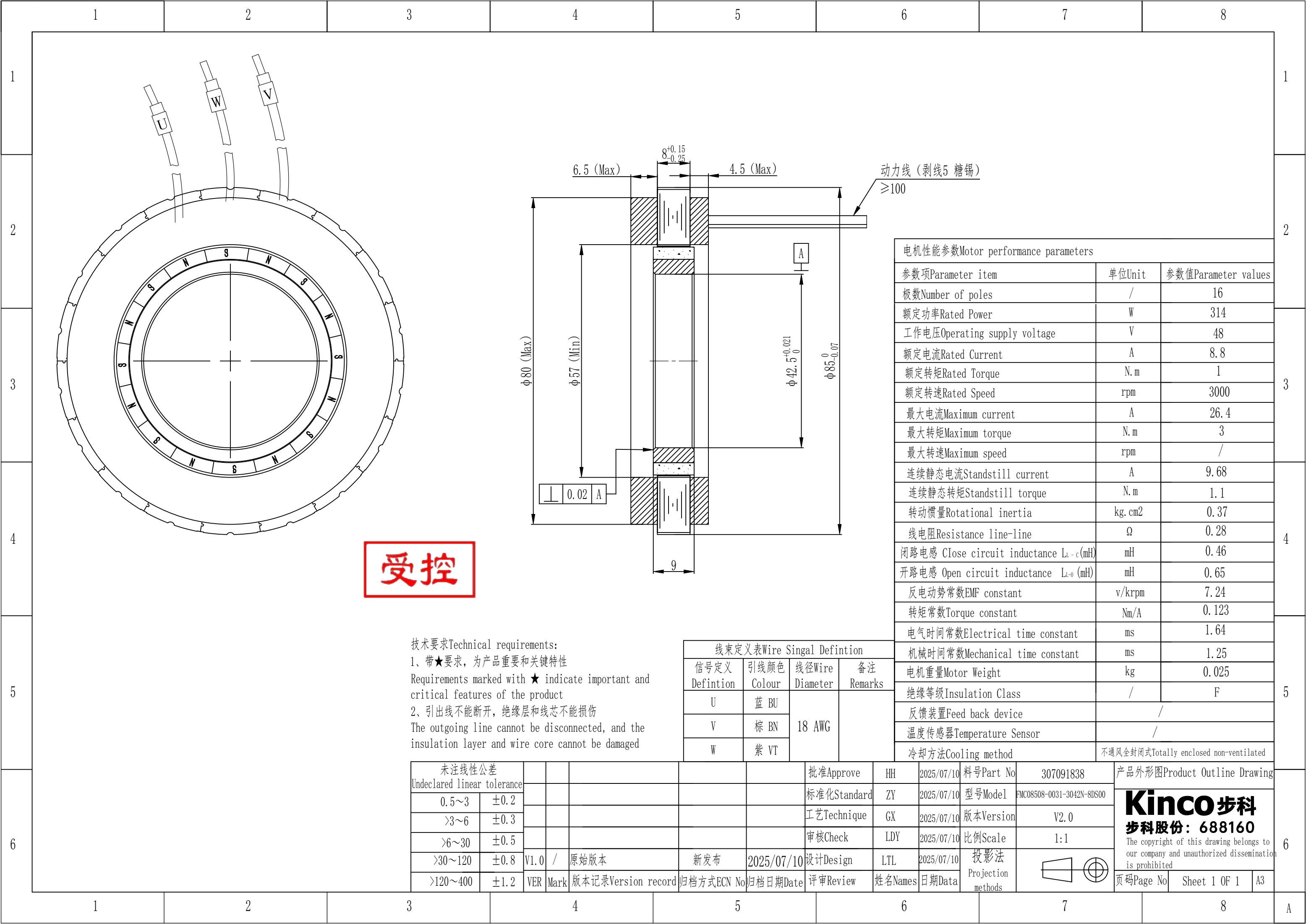




受控

技术要求Technical requirements:
1、带★要求, 为产品重要和关键特性
Requirements marked with ★ indicate important and critical features of the product
2、引出线不能断开, 绝缘层和线芯不能损伤
The outgoing line cannot be disconnected, and the insulation layer and wire core cannot be damaged

线束定义表Wire Singal Defintion			
信号定义 Defintion	引线颜色 Colour	线径Wire Diameter	备注 Remarks
U	蓝 BU	18 AWG	
V	棕 BN		
W	紫 VT		

电机性能参数Motor performance parameters		
参数项Parameter item	单位Unit	参数值Parameter values
极数Number of poles	/	16
额定功率Rated Power	W	314
工作电压Operating supply voltage	V	48
额定电流Rated Current	A	8.8
额定转矩Rated Torque	N.m	1
额定转速Rated Speed	rpm	3000
最大电流Maximum current	A	26.4
最大转矩Maximum torque	N.m	3
最大转速Maximum speed	rpm	/
连续静态电流Standstill current	A	9.68
连续静态转矩Standstill torque	N.m	1.1
转动惯量Rotational inertia	kg.cm2	0.37
线电阻Resistance line-line	Ω	0.28
闭路电感 Close circuit inductance L _{L-c} (mH)	mH	0.46
开路电感 Open circuit inductance L _{L-o} (mH)	mH	0.65
反电动势常数EMF constant	v/krpm	7.24
转矩常数Torque constant	Nm/A	0.123
电气时间常数Electrical time constant	ms	1.64
机械时间常数Mechanical time constant	ms	1.25
电机重量Motor Weight	kg	0.025
绝缘等级Insulation Class	/	F
反馈装置Feed back device	/	
温度传感器Temperature Sensor	/	
冷却方法Cooling method	不通风全封闭式Totally enclosed non-ventilated	

未注线性公差 Undeclared linear tolerance							批准Approve	HH	2025/07/10	料号Part No	307091838	产品外形图Product Outline Drawing		
0.5~3	±0.2						标准化Standard	ZY	2025/07/10	型号Model	FMC08508-0031-3042N-8DS00	Kinco 步科 步科股份：688160 The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited		
>3~6	±0.3						工艺Technique	GX	2025/07/10	版本Version	V2.0			
>6~30	±0.5						审核Check	LDY	2025/07/10	比例Scale	1:1			
>30~120	±0.8	V1.0	/	原始版本	新发布	2025/07/10	设计Design	LTL	2025/07/10	投影法 Projection methods				
>120~400	±1.2	VER	Mark	版本记录Version record	归档方式ECN No	归档日期Date	评审Review	姓名Names	日期Data			页码Page No	Sheet 1 OF 1	A3

