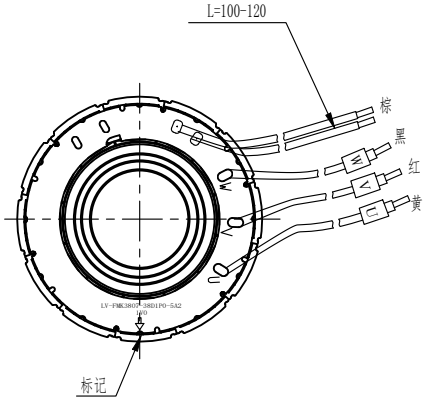
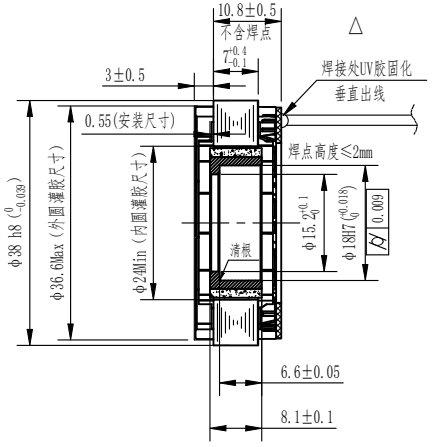
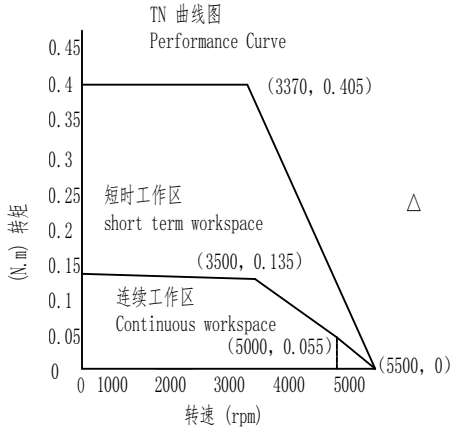
受控





转向：从出线端看CW顺时针



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相 MOTOR U	黄 YELLOW	24 AWG	
V相 MOTOR V	红 RED		
W相 MOTOR W	黑 BLACK		
NTC	棕 BROWN	28AWG	
NTC	棕 BROWN		

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	/	14
额定功率Rated Power	W	50
工作电压Operating supply voltage	V	48
额定电流Rated Current	A	1.7
额定转矩Rated Torque	N.m	0.135
额定转速Rated Speed	rpm	3500
最大电流Maximum current	A	5.491
最大转矩Maximum torque	N.m	0.405
最大转速Maximum speed	rpm	5500±10%
连续静态电流Standstill current	A	1.87
连续静态转矩Standstill torque	N.m	0.1485
转动惯量Rotational inertia	kg.cm2	0.0124
线电阻Resistance line-line	Ω	3.52±10%(ref)
线电感Inductance line-line	mH	2.49±20%(ref)
反电动势常数EMF constant	v/krpm	5.4±5%
转矩常数Torque constant	Nm/A	0.089
电气时间常数Electrical time constant	ms	0.71(ref)
机械时间常数Mechanical time constant	ms	0.95(ref)
电机重量Motor Weight *	kg	0.056 △
绝缘等级Insulation Class	/	F级
反馈装置Feed back device	-	
温度传感器Temperature Sensor	NTC	
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	
0.5~3	±0.2
>3~6	±0.3
>6~30	±0.5
>30~120	±0.8
>120~400	±1.2

V1.3	△	增加TN曲线	PCD26105	2025/12/16	标准化Standard
V1.2	△	添加重量	PCD25187	2025-11-17	工艺Technique
V1.1	△	出线焊接说明	PCD25154	2025-10-28	审核Check
V1.0	/	原始版本	新发布	2025-07-26	设计Design
VER	Mark	版本记录Version record	归档方式ECN No	归档日期Date	评审Review

批准Approve	SL	2025-07-26	料号Part No 307091962
标准化Standard	ZY	2025-07-26	型号Model FMK03807-0005-3518N-7DP02
工艺Technique	PHX	2025-07-26	版本Version V1.3
审核Check	ZZJ	2025-07-26	比例Scale 1:1
设计Design	WJH	2025-07-26	投影法 Projection methods
评审Review	姓名Names	日期Data	

产品外形图Product Outline Drawing

Kinco步科

步科股份：688160

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