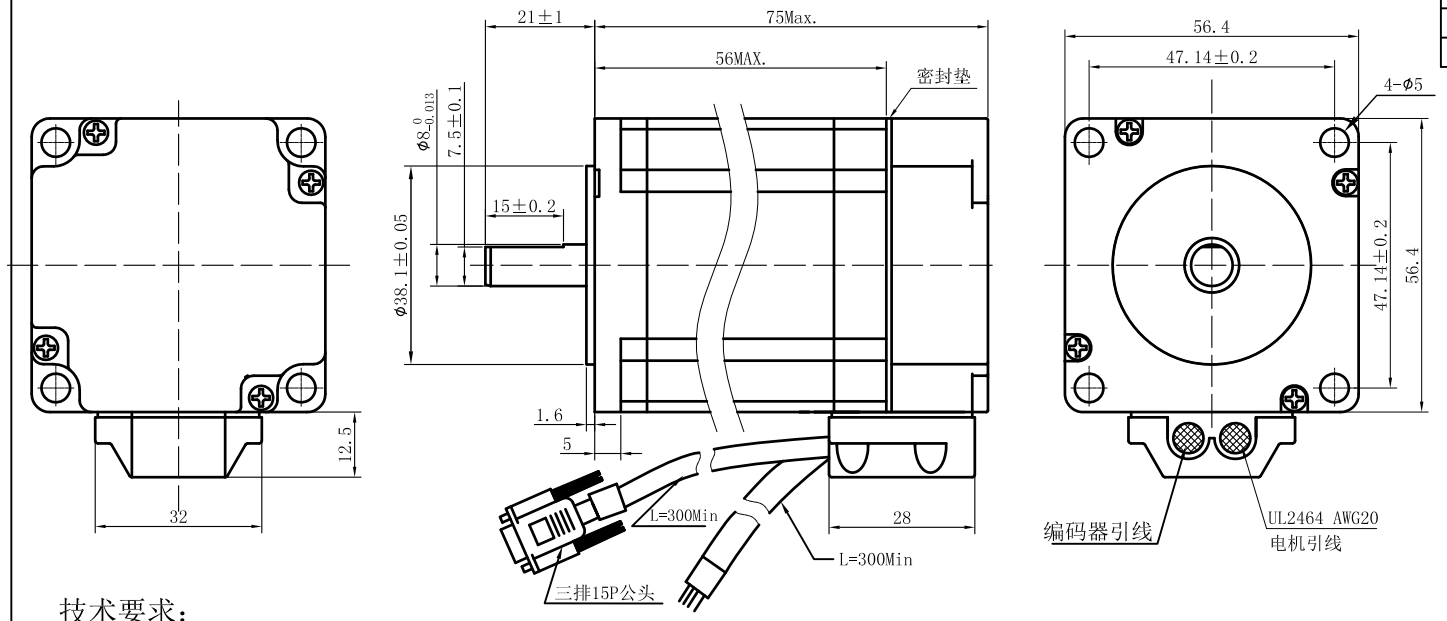
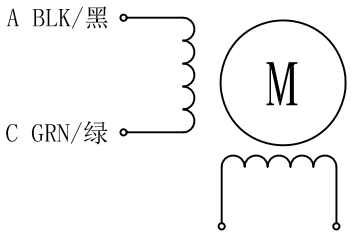
REV	ECN NO.	DESCRIPTION	DRN	APP'D	DATE



技术要求：

1. 编码器:1000CPR,两通道信号输出,带差分;

WIRING DIAGRAM/接线图



Exciting Sequence(励磁顺序)

CW DIRECTION	STEP	A	C	B	D
⇩	1	+		+	
	2		+	+	
	3		+		+
	4	+			+
	1	+		+	

CCW, see from flange side
(逆时针，从法兰侧看)

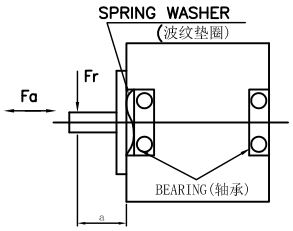
Lead Corlour VS Encoder Signal
芯线颜色对应编码器信号

三排15公头	芯线颜色	信号定义
3	红/白	GND
2	红	VCC(+5V)
13	蓝	EA-
1	蓝/黑	EA+
12	黑	EB-
11	黑/白	EB+
外壳	编织	

SPECIFICATION

STEP ANGLE	步距角	1.8°/full step(整步)
STEP ANGLE ACCURACY	步距角精度	±5%
NUMBER OF PHASE	绕组相数	2
RATED VOLTAGE	额定电压	1.2 VDC
RATED CURRENT	额定电流	6.0 A
RESISTANCE/PHASE	每相电阻	0.2±0.1 ohms@20°C
INDUCTANCE/PHASE	每相电感	0.52±20% mH@1kHz
HOLDING TORQUE	保持转矩	1.2 N.m
PULL OUT TORQUE	运行转矩	N/A
BACK EMF	反电动势	V @300RPM
DETENT TORQUE	定位转矩	N.cm
ROTOR INERTIA	转子转动惯量	300 g.cm ²
WEIGHT	重量	1.0 Kg
TEMPERATURE RISE	温升	Less than 80K (小于80开)
SOURCE VOLTAGE	驱动器电压	N/A
INSULATION CLASS	绝缘等级	B 130°C
DIELECTRIC STRENGTH	介电强度	500VAC 1MIN
INSULATION RESISITANCE	绝缘电阻	100MOhm @500VDC
IP CODE	防护等级	30
OPERATION AMBIENT	使用环境	Ambient temperature:-20...+50°C,humidity Max. 85%(No condensation)
STORAGE AMBIENT	存储环境	Ambient temperature:-20...+85°C,humidity Max. 85%(No condensation)

PERMISSIBLE RADIAL+AXIAL FORCE
(允许的轴向和径向力)



AXIAL-FORCE	轴向压力	Fa=15 N Max.	
DISTANCE	距离	a=20 mm	
RADIAL-FORCE	径向压力	Fr=75 N Max.	
SHAFT RADIAL PLAY	径向间隙	0.02mm Max. @4N	
SHAFT AXIAL PLAY	轴向间隙	0.08mm Max. @4N	

UNLESS OTHERWISE SPECIFIED TOLERANCES:
DECIMALS: ANGULAR:
.x ±0.5 ±0°30`
.xx ±0.25
.xxx ±0.1
UNIT: mm
DO NOT SCALE DRAWING

MATERIAL | CONTR. | DESIGN | DATE | CHECK | APPD

FIRST ANGLE PROJECTION

SCALE 1:2 | SHEET OF

P/N. 3.1.01.057.XXXX

TITLE Specifications

USED ON FL57SC10

DWG NO. | REV A

FULLING MOTOR