

增量型空心轴编码器

INCREMENTAL HOLLOW SHAFT ENCODER

外径Φ58

EXTERNAL DIAMETER Φ58

特点

FEATURES

- Economical encoder

●经济型编码器
- High anti-interference

●高抗干扰性能

用途

APPLICATION

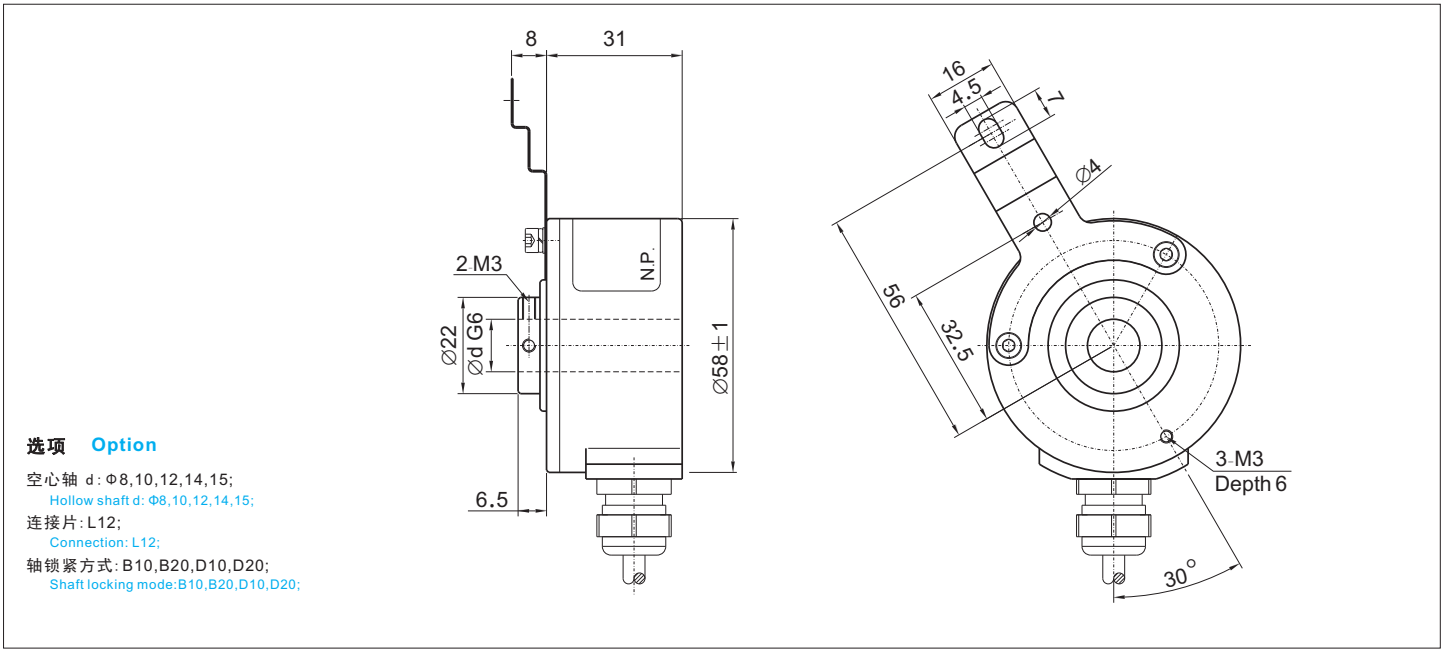
- Automation

●自动化
- Industrial machine

●工业设备



ENX50M



选项

Option

空心轴 d: Φ8,10,12,14,15;
Hollow shaft d: Φ8,10,12,14,15;
连接片: L12;
Connection: L12;
轴锁紧方式: B10,B20,D10,D20;
Shaft locking mode: B10, B20, D10, D20;

订货说明

ORDERING INFORMATION

ENX50M — 12 L12 G A L 1210 B M — B2

轴径d Shaft diameter : 8,10,12,14

连接片 Lxx Connection Lxx:

出线方式 Cable connection
G = 电缆侧出 Cable radial

电源电压 Supply voltage
A = 05VDC B = 1 0-30VDC

输出电路 Output circuit
E = 电压输出 Voltage
C = 电流输出 Open collector
F = 推挽输出 Push-pull
L = 驱动器输出 Line driver TTL
FL = 驱动器输出 Line driver HTL

零位信号 Z signal
M = Z 信号宽度为1T Z signal width 1T
0.5M = Z 信号宽度为0.5T Z signal width 0.5T
0.25M = Z 信号宽度为0.25T Z signal width 0.25T

输出信号 Output signal
A = 只输出A路信号 Output only one signal A
B = 输出A,B两路信号 Output two signals A and B

脉冲数 Resolution 1210=1024
具体见产品参数表 See Encoder characteristics-Rosolution

特殊品B 1,B2
Special model S1,S2 ...

▲没有的项目不标注！ No marked for not exist items!



产品参数 Encoder characteristics

型号	Type	ENX50M			
机械参数 Machine characteristics					
最大转速	Max. speed(min ⁻¹)	6000r/min			
防护等级	Protection rating	IP54			
启动力矩	Starting torque	3x10 ⁻² N.m Max..			
重量	Weight	0.22Kg (Without cable)			
最大径向负载	Max.shaft load radial	20N			
最大轴向负载	Max.shaft load axial	10N			
抗冲击	Shock resistance	1000m/s ² ,6ms			
抗振动	Vibration resistance	100m/s ² ,10...200Hz			
电气参数 Electrical characteristics					
输出电路 ¹⁾	Output circuit	C	E	F	L FL
电源电压	Supply voltage	5±0.25VDC,10-30VDC			5±0.25VDC 10-30VDC
消耗电流	Current consumption	80mA			150mA max.
上升时间	Rise time t _r	1us		200ns	100ns
下降时间	Fall time t _f	1us		200ns	100ns
允许负载/通道	Permissible load/channel	Max. 30mA			Max. 20mA
信号高电平	Single level high	Min.Vcc*70%			Vcc≥ 2.5V Min.Vcc*70%
信号低电平	Single level low	Max.0.5V		Max.1V	Max.0.5V
其他参数 Other characteristics					
工作温度 ²⁾	Operating temp.	-10°C...+70°C	-20°C...+85°C		
贮存温度	Operating temp.	-20°C...+80°C	-25°C...+100°C		
最高响应频率	Max. Output frequency	100KHz	100KHz	200KHz	400KHz 800KHz
脉冲数 P/R ³⁾	Resolution P/R	1~1024	150,200,300,360,400 500,512,600,720,800 1000,1024,1500,1600 1800,2000	360,1000,1024,1250 1500,1800,2000,2048 2500	720,2000,2048,2500 3000,3600,4000,4096 5000 1440,4000,4096,5000 3000,8000,8192,10000

1) 详细电路见 P10 1.3 See detailed circuit P10 1.3
输出波形见 P10~12 1.4 See output waveform P10~12 1.4
2) -40°C...+100°C 可定制! -40°C...+100°C can be customized!
3) 特殊脉冲数定做，请咨询工厂。
Special Resolution , when you order it, please consult the factory.

接线表 CONNECTION TABLE

GA

输出电路形式	线色	白	黑	红	绿	黄	粉	蓝	橙	屏蔽
Output circuit	Color	White	Black	Red	Green	Yellow	Pink	Blue	Orange	Shield
C,E,F	信号	Vcc	0V	A	B	Z	-	-	-	- ¹⁾
L,FL	信号	Vcc	0V	A	B	Z	A\	B\	Z\	- ¹⁾

*1: G：屏蔽接壳；
Cable shield connect to the cover;
CG：壳与0V间接0.01u/630V，屏蔽接壳；
Between the cover and 0V connect 0.01u/630V,cable shield connect the cover;
-：屏蔽不接壳。
Cable shield donnn't connect the cover.

