

INCREMENTAL HOLLOW SHAFT ENCODER

特点 FEATURES

●最大孔径 $\Phi 65\text{mm}$

●重载型、坚固型

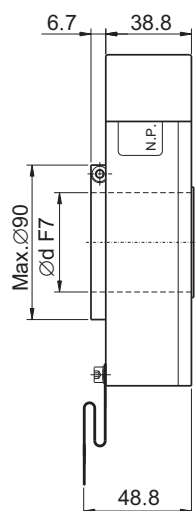
用途 APPLICATION

●自动化

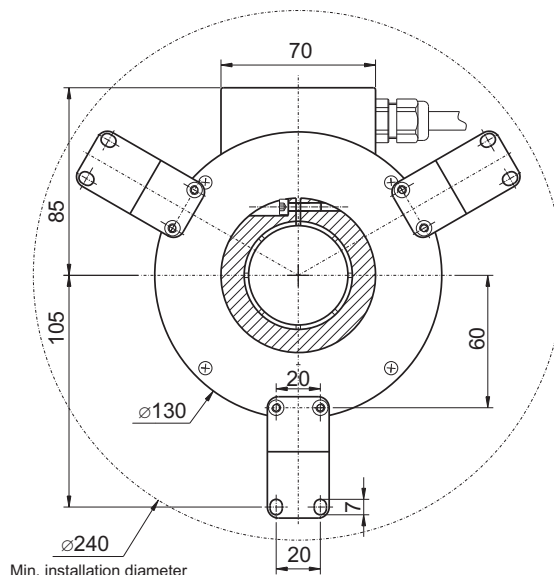
●工业设备



ENX121N



空心轴 d: $\Phi 48, 50, 55, 60, 65$;
Hollow shaft d: $\Phi 48, 50, 55, 60, 65$;
连接片: L24, L34, L52+M55;
Connection: L24, L34, L52+M55;
轴锁紧方式: B10, B20, D10, D20;
Shaft locking mode: B10, B20, D10, D20;
插头: C10, C52;
Socket: C10, C52;



ENX121H — 65 — L34 — G — 10-30 — F — 1024 — B — 0.25M — / — /

轴径 Shaft diameter: 48,50,55,60,65

连接片 Lxx Connection Lxx:

出线方式 Cable connection
G = 电缆侧出 Cable radial C = 插头侧出 Socket radial

电源电压 Supply voltage
05 = 05VDC 10-30 = 10-30VDC

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
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
具体见产品参数表 See Encoder characteristics-Resolution

插头 Cxx Socket Cxx

特殊品 S1,S2
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	ENX121H				
机械参数 Machine characteristics						
最大转速	Max. speed(min ⁻¹)	2500r/min				
防护等级	Protection rating	IP50				
启动力矩	Starting torque	8x10 ⁻² N.m Max..				
重量	Weight	1.5Kg (Without cable)				
最大径向负载	Max.shaft load radial	100N				
最大轴向负载	Max.shaft load axial	50N				
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	1~2500	500,512,1000,1024 1250,1800,2000 2048,2500,5000	3000,3072,4500 6000,7500	6000,9000,12000 15000	12000,18000,24000 30000

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℃...+100℃ 可定制! -40℃...+100℃ 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⁾
	Signal									

*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 donn't connect the cover.