Ordering Information

Solid-Shaft Incremental Rotary Encoder





Application

- Be used in area of automatic control, measurements, robotic X-Y labor and printing.
- Square flange, be used in numerical control machine.

◆Features

- Flange adapters, long working life, high shock.
- 2 quadrature output channel (A&B)
- Full impulses under 1024, it is suitable for narrow area application

ISL58 09 102C 1024 5-24 C BZ1 Pulses P/R Output Form ISLserial no. Cable lead out: Supply Voltage 100 200 250 360 400 5: 5V DC E:Voltage Φ58mm C= Plug connection at side Square flange 500 600 1000 1024 L: Line Driver 26LS31/TTL 5-24:5~24 VDC G= Cable lead out at side 1200 2000 2500 K;Line driver 7272 H=Plug connection behind 2500 4096 5000. F: Push-Pull E= Cable lead out behind Shaft diameter C: Open Collector NPN 08=Ф08mm CP: Open collector PNP 09=Φ09mm Output signal Width of Z signal 10=Ф10mm A=A phase Blank=no Z phase 15=Φ15mm B=A,Bphase 1: TZ=1T BZ=A.BZphases 2: TZ=1/2T $ABZ=AB\dot{Z},A-B-Z-$ phase 3: TZ=1/4T

♦Note:

1. Please contact sales representative to confirm the correctness and availability of the part number

◆ Technical Specifications

Electrical Specification					
Output circuit	Open collector	Voltage output	Push pull output	Line driver output	
Power Vcc	5~30	5~30	5±0.25 5~30	5±0.25 5~30	
Current	≤80mA	≤80mA	≤80mA	≤150mA	
Load current	40mA	40mA	40mA	60mA	
High-level output	Min Vcc*70%	Min Vcc-2.5V	Min Vcc-1.5V	Min 3.4V	
Low-level output	Max 0.4V	Max 0.4V	Max 0.8V	Max 0.4V	
Rise Time Tr	Max 1us	Max 1us	Max 1us	Max 200ns	
Fall Time Tr	Max 1us	Max 1us	Max 1us	Max 200ns	
Max Responding Frequency	300kHz	300kHz	300kHz	300kHz	
Mechanical Specification	•				
Max speed(r/min)	Starting Torque	Max. Shaft Loading	Shocking	Vibration	
6000	<0.12Nm		50G/11-ms	10G 10-2000Hz	
Rotor Inertia	Working Temperature	Storage Temperature	Protection Grade	Weight	
4*10 ⁻⁸ Kgm ²	-30~85℃	-35~95℃	IP51	400g	

◆ Connection Table

Signal	Α	В	Z	Ā	Ē	Ž	Vcc	GND	Shielded
Color	Green	White	Yellow	Brown	Gray	Orange	Red	Black	Copper net
7Pin Plug	3	5	2	-	-	-	1	4	6
9Pin Plug	5	3	2	7	6	8	1	4	9

Dimensions(mm)

