RJS-SLD

ROTARY ENCODER WITH LED SWITCH

General Description

Display LED	
Color	: White LED (L1~L30)
Rating	: 3.3V~3.8V at 20mA/each LED
Rotary Encode	:Transmissive Optical Sensor
Type of actuation	: Rotary feedback
Power Supply	: 5V
Output Signal	: HI / LO
Revolution	: 36 step per revolution
Operating Life	: C.W. 100,000
	& C.C.W 100,000 cycles min.
Operating Force	: 1 kgf-cm (Max.)
Switch	
Output Signal	: HI / LO
Type of actuation	: Tactile feedback
Total Travel	: 0.3 ± 0.15mm
Operating Force	: 800 ± 300gf
Operating Life	: 100,000 Cycles
Insulation Resistance	: 100M Ohm Min.
Dielectric strength	: 250V AC/Min
Operation Temperature	: -20°C~ 80°C
IP Code	: IP65
Materials	
Lens	:Polycarbonate (PC)
Base	:Polycarbonate (PC)
Washer	:NBR
Nut	:Polyamide(PA)
Knob	:Polyamide(PA)/ Aluminum

Applicable Connector:
Conductor pitch / 1.25mm
Conductor width /□0.2mm

Feature

- Panel cutting Ø25mm
- Front Panel IP65
- Pushbutton Switches
- White LED backlight
- Rotary Encoder
- Marking service

Application

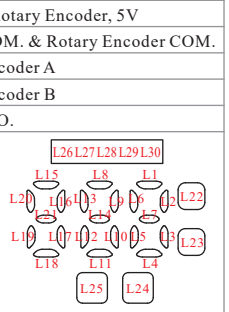
- Industrial equipment
- Home Security
- Public building
- Medical equipment
- Business building

PAT. M633184
PAT. ZL 202221775605.4

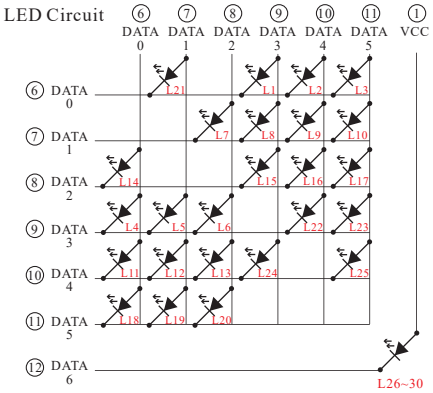
Pin Description & Contact Configuration

/ Pin function

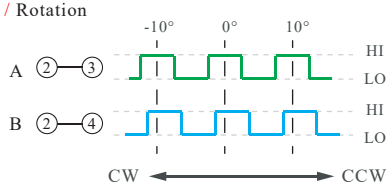
Pin	Name	Function
1	VCC	VCC for Rotary Encoder, 5V
2	GND	Switch COM. & Rotary Encoder COM.
3	A	Rotary Encoder A
4	B	Rotary Encoder B
5	SW	Switch N.O.
6	White LED	DATA 0
7	White LED	DATA 1
8	White LED	DATA 2
9	White LED	DATA 3
10	White LED	DATA 4
11	White LED	DATA 5
12	White LED	DATA 6



/ LED Circuit



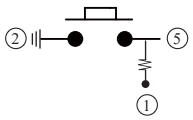
/ Rotation



Numbers of detent : 36

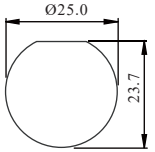
Pulse / Rotation : 36 pulse / 360°

/ Switch

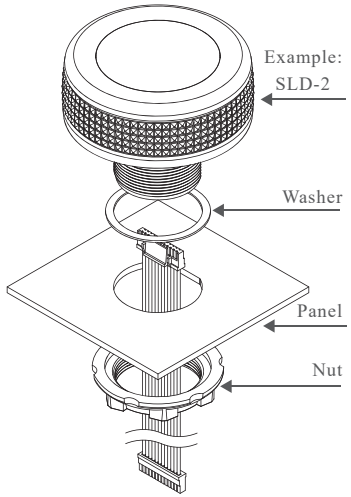


/ Panel cutting

Panel thickness:
2.0~10 mm



/ Installation Notes



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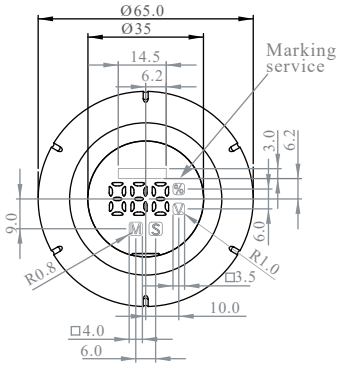
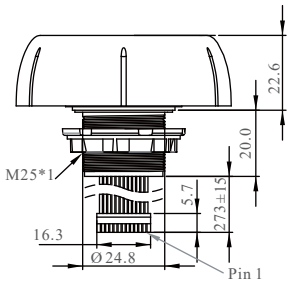
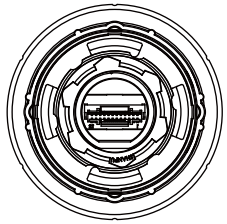
Dimension

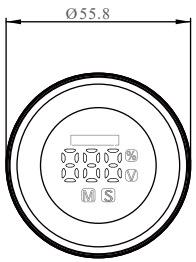
/ Knob type : P

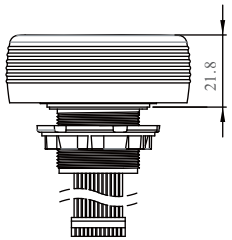


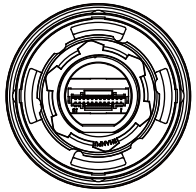




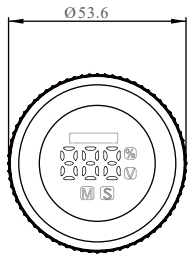
/ Knob type : 1

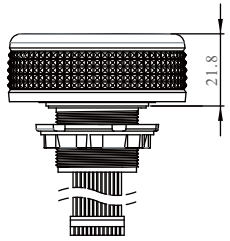


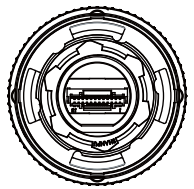




/ Knob type : 2







How to order

SLD-PL

Knob type P / Silver / Plastic

SLD-10

Knob type 1 / Silver / Aluminum

SLD-2L

Knob type 2 / Silver / Plastic

SLD-P5

Knob type P / Black / Plastic

SLD-15

Knob type 1 / Black / Aluminum

SLD-25

Knob type 2 / Black / Plastic

Option

/ Development Kit P/N : RJS-SLD-01

The SLD demo program develop by ESP32 system. ESP32 is an open-source electronic platform based on easy-to-use hardware and software. Use Arduion-ESP32 IDE, so user can very easy to use SLD through SLD development kit from ESP32.
Dimension(Without cable):85mm(W)*50mm(D)*18.5mm(H)