



## Rotary encoder with LCD Switches SLB3 (CAN BUS Communication)

### General Description

The SLB3 Series switch features a rotary encoder with pushbutton and dimmable backlight. CAN BUS Fully compatible with the "ISO 11898" standard. Providing simple installation and connectivity.

#### Feature

- CAN High speed ( up to 1 Mbps)
- Panel cutting Ø25mm
- Front Panel IP65
- 1.28 inch full color Circle LCD display
- Option LED backlight
- Pushbutton Switch
- Rotary encoder with Transmissive optical Sensor
- Customized CAN BUS service

PAT. I688980  
PAT. I738469  
PAT. D199473  
PAT. ZL20182200452.0  
PAT. ZL201830757963.5



### General Specifications

Communication interface : CAN BUS ISO 11898  
CAN BUS Speed : 1 Mbps  
CAN ID : 0x0588  
DLC : 8 Bytes  
Power Supply : 5V  
Operation Current : 250mA(Max.)  
Operation Temperature : -20°C~ 70°C  
Enclosure protection : IP65(Front Panel)  
Operating Life(Encoder) : C.W. 100,000 cycles min  
& C.C.W 100,000 cycles min.  
Operating Force(Encoder) : 1.5Kgf-cm (Max.)  
Operating Life(Switch) : 100,000 cycles min.  
Operating Force(Switch) : 800gf±300gf  
Backlight : RGB LED

### Display

Size : 1.28 inch Circle TFT  
Resolution : 240RGB(H) x 240(V)  
Display Color : Full Color, 262K(max.)  
Luminance(cd/m2) : 400(cd/m2)  
Backlight : White LED

### Materials

Knob : Polyamide(PA)  
Polycarbonate (PC)  
Aluminum  
Lens : Polycarbonate (PC)  
Base : Polycarbonate (PC)  
Washer : NBR  
Nuts : Polyamide(PA)  
Cable : UL1571#28AWG,4 wires

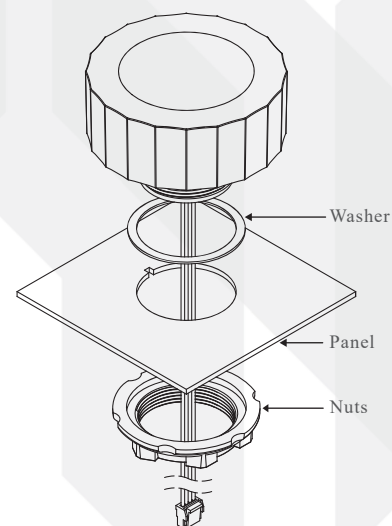
### Block Diagram

#### / Pin function

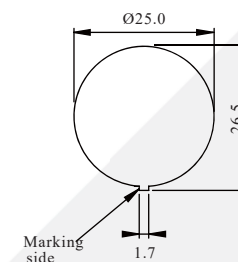
| Pin | Color  | Function                |
|-----|--------|-------------------------|
| 1   | Red    | Power Supply Voltage 5V |
| 2   | White  | CAN H                   |
| 3   | Yellow | CAN L                   |
| 4   | Black  | Ground                  |

The connector on the SLB3 module is similar JST GHR-04V-S  
Applicable Connector:  
Conductor pitch / 1.25mm  
Conductor width / 0.2mm

#### / Installation Notes



#### / Panel cutting

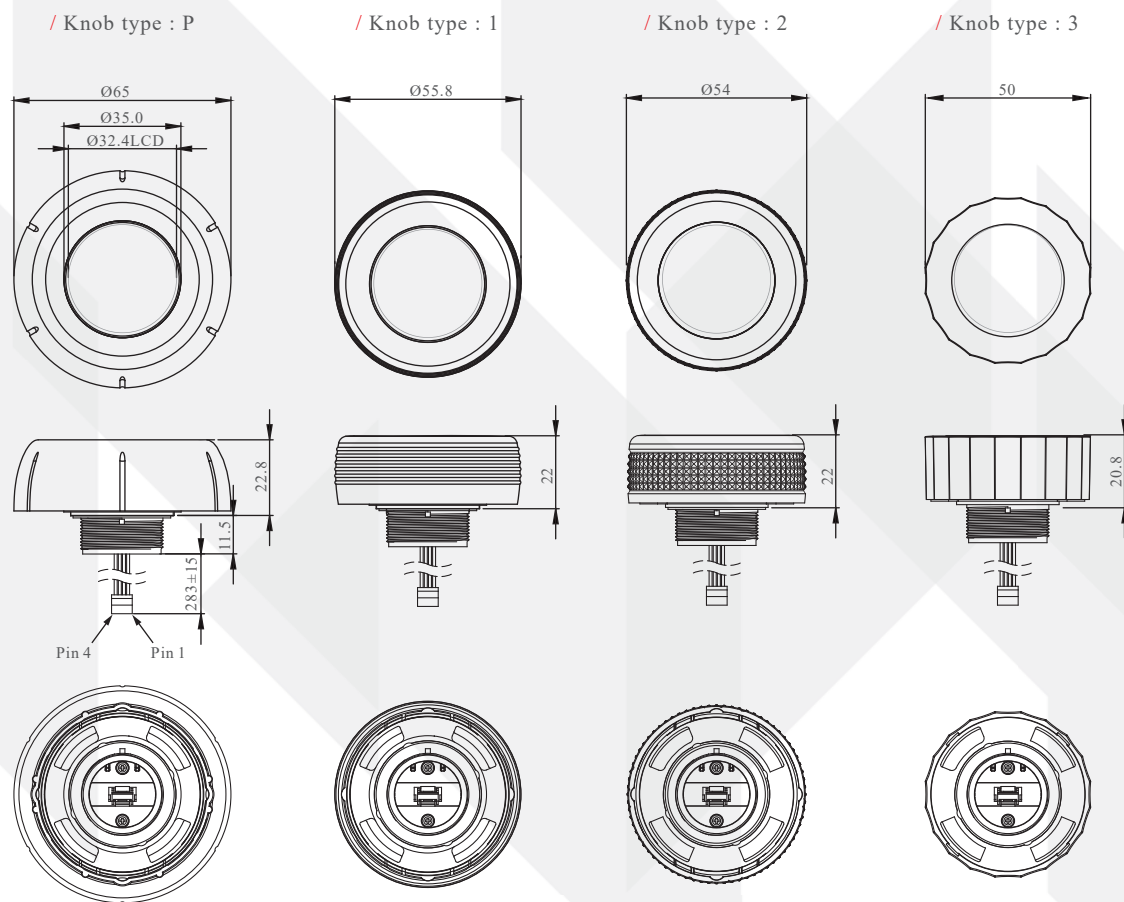


Panel thickness 1.5~4mm



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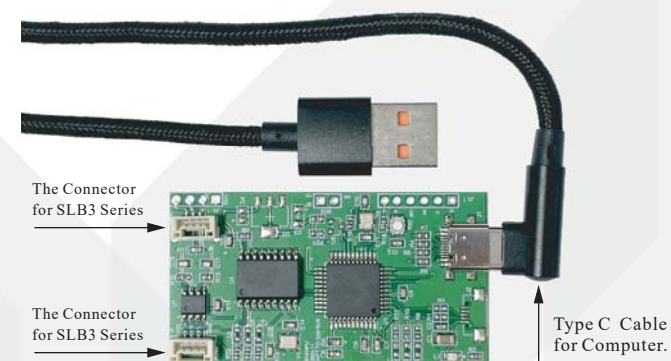
### Dimension



### Option

/ Development Kit P/N : K-SLB3-02

The USB-CANBUS (K-SLB3-02) developed and designed by SLB3, with the SLB3 dedicated application, can be set via a computer (Windows system) SLB3 picture, LED backlight, OUTPUT / INPUT ID or OUTPUT / INPUT CAN Code.  
Dimension (Without cable): 60mm(W) \* 32mm(D) \* 5.8mm(H)





## Rotary encoder with LCD Switches SLB3 (CAN BUS Communication)

### How to order



**SLB3-PL** | Knob type P / Silver / Plastic



**SLB3-10** | Knob type 1 / Silver / Aluminum



**SLB3-2L** | Knob type 2 / Silver / Plastic



**SLB3-3T** | Knob type 3 / Transparent / Plastic



**SLB3-P5** | Knob type P / Black / Plastic



**SLB3-15** | Knob type 1 / Black / Aluminum



**SLB3-25** | Knob type 2 / Black / Plastic