



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

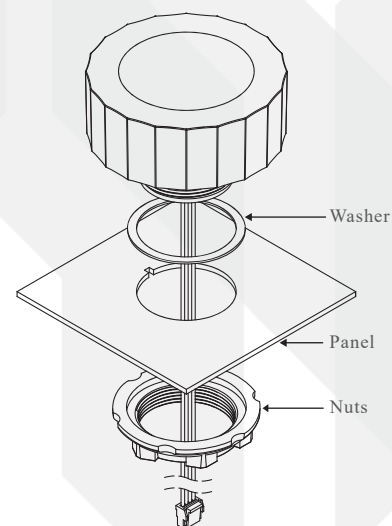
Block Diagram

/ Pin function

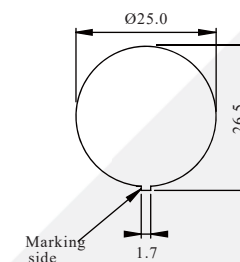
Pin	Color	Function
1	Red	Power Supply Voltage 5V
2	White	CAN H
3	Yellow	CAN L
4	Black	Ground

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

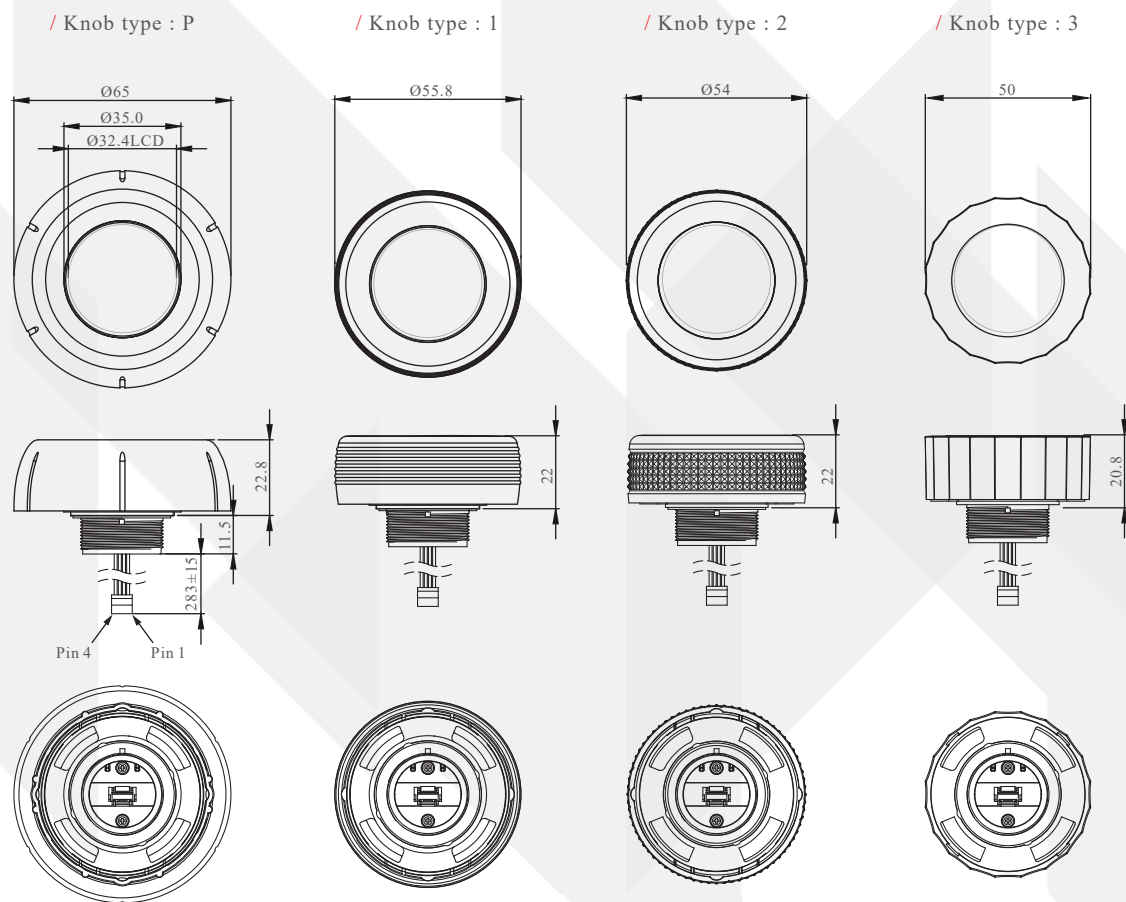


Panel thickness 1.5~4mm



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

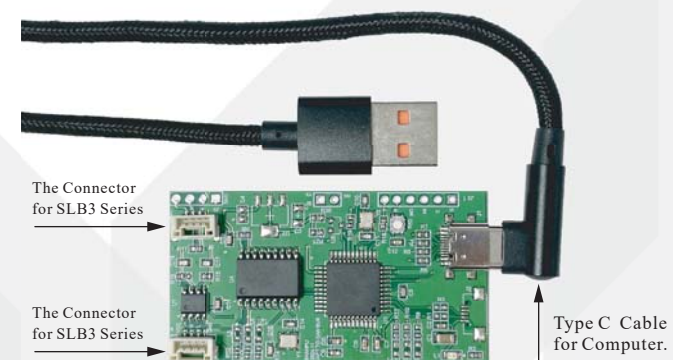
Dimension



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