

General Description

The SDE-3 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. ZL201822200452.0

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

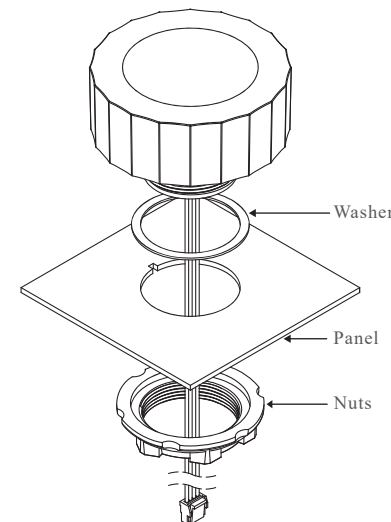
/ Pin function

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

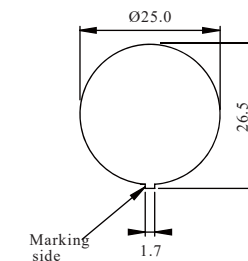
The connector on the SDE-3 module is similar JST GHR-04V-S

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

/ Installation Notes



/ Panel cutting



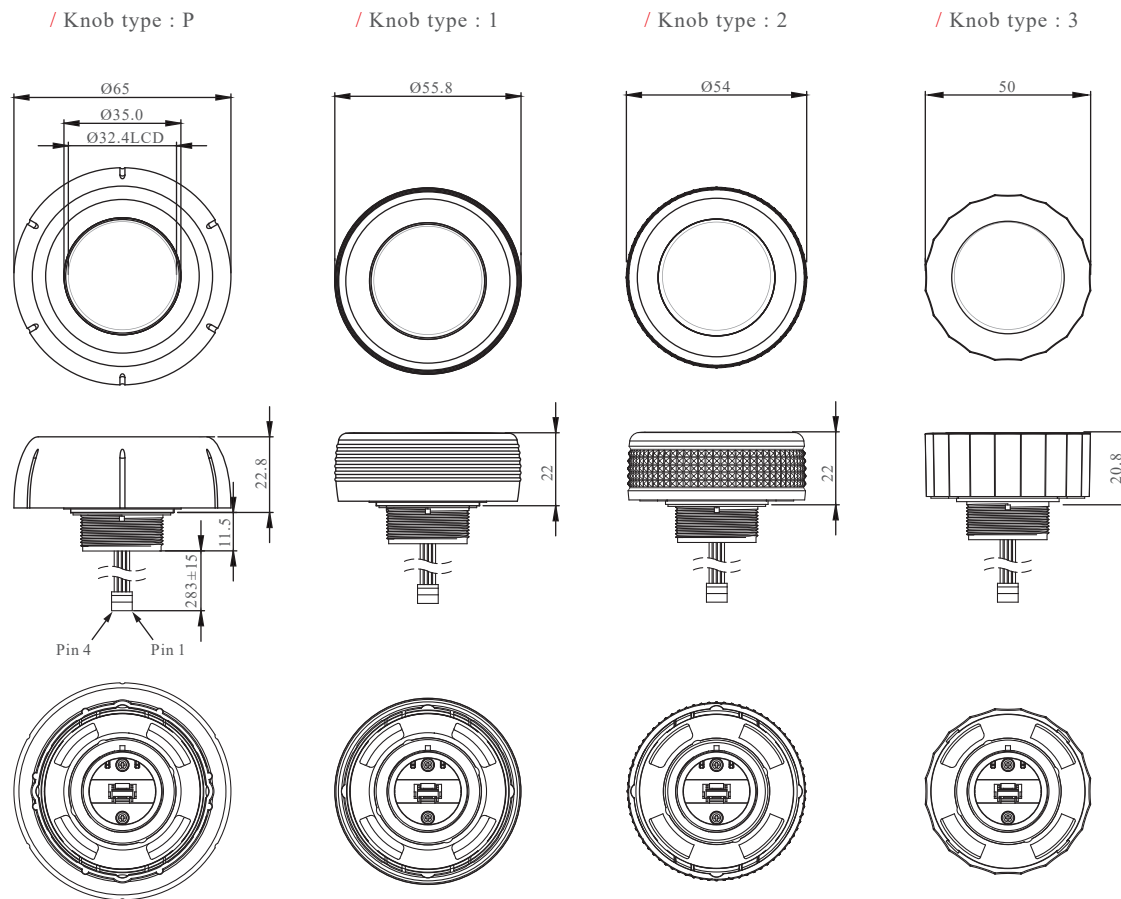
Panel thickness 1.5~4mm

RJS-SDE-3

ROTARY ENCODER WITH LCD SWITCH



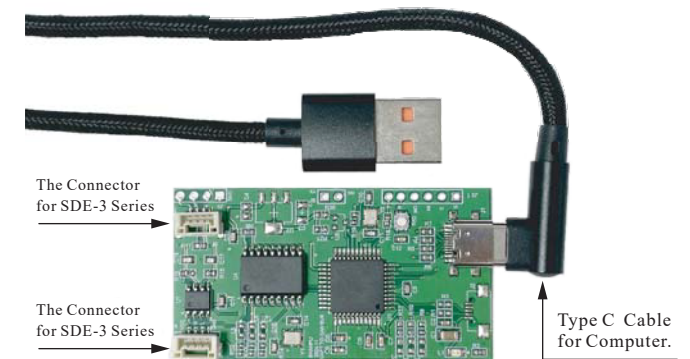
Dimension



Option

/ Development Kit P/N : K-SDE-3-02

The USB-CANBUS (K-SDE-3-02) developed and designed by SDE-3, with the SDE-3 dedicated application, can be set via a computer (Windows system) SDE-3 picture, LED backlight, OUTPUT / INPUT ID or OUTPUT / INPUT CAN Code. Dimension (Without cable): 60mm(W) * 32mm(D) * 5.8mm(H)



RJS-SDE-3

ROTARY ENCODER WITH LCD SWITCH



How to order



SDE-3-PL | Knob type P / Silver / Plastic



SDE-3-10 | Knob type 1 / Silver / Aluminum



SDE-3-2L | Knob type 2 / Silver / Plastic



SDE-3-3T | Knob type 3 / Transparent / Plastic



SDE-3-P5 | Knob type P / Black / Plastic



SDE-3-15 | Knob type 1 / Black / Aluminum



SDE-3-25 | Knob type 2 / Black / Plastic