

# 4-Wire Slot Type Photoelectric Switch

SEN0448

## Product Overview

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## Description

DFRobot SEN0448 4-Wire Slot Type Photoelectric Switch integrates an optical transceiver module, providing stable performance and strong anti-interference ability. The detection range of the module is 5mm (slot width). This photoelectric switch features an indicator onboard for feeding back the device status in real-time. The 4-wire interfaces of the module feature an IP50 protection level and can be freely switched between normally open and closed status. This photoelectric switch also features short-circuit protection, overload protection, and reverse connection protection mechanisms. The 4-wire slot-type photoelectric switch operates at the 10V<sub>DC</sub> to 30V<sub>DC</sub> power supply range and 500Hz switching frequency. This switch is ideal for distinguishing transparent objects, detecting high-speeding moving things, or counting materials.



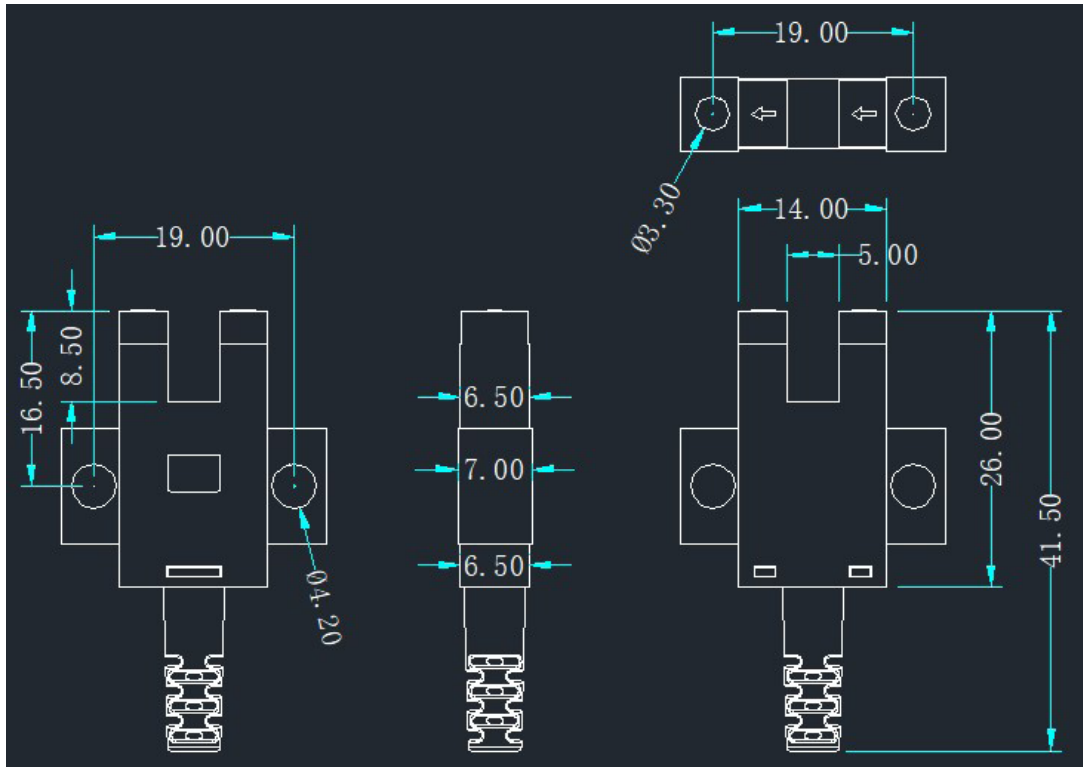
## Features

- 5mm detection distance (slot width)
- PNP (4-wire connector) output mode
- Brown line-positive pole, blue line-negative pole, black line-normally closed output, and white line-normally open output connection modes
- Protection mechanism:
  - Short circuit protection, overload protection, and reverse connection protection
- IP50 protection level

## Specifications

- 26.2mm x 25mm x 7mm dimensions
- 10V<sub>DC</sub> to 30V<sub>DC</sub> power supply range
- 500Hz switching frequency
- <1.5ms response time

## Mechanical Drawing (mm)



## Mouser Part Number

[View Part](#)

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