

# RS PRO Photoelectric Sensor

RS Stock No.: 202-4477, 202-4478

## FEATURES

- Polarized retro reflection working principle;
- Suitable for detecting transparent or high reflective target;
- High detection accuracy
- Bracket Included:  
58\*60\*22mm



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Part Number Description

Part number	Sensing distance	Light source	Output	Connection
202-4477	5m (adjustable)	Red LED (650nm)	NPN+PNP NO/NC	2m PVC cable
202-4478	5m (adjustable)	Red LED (650nm)	NPN+PNP NO/NC	M12 connector

### General Specifications

<b>Detection Type</b>	Polarized retro reflection
<b>Standard target</b>	TD-09 reflector
<b>Detection target</b>	Transparent, semi-transparent, and opaque object
<b>Repeat accuracy [R]</b>	≤5%
<b>Response time</b>	≤2ms
<b>Output Indicator</b>	Yellow LED
<b>Ambient temperature</b>	-25°C...55 °C
<b>Ambient humidity</b>	35~85%RH (non-condensing)
<b>Voltage withstand</b>	1000V/AC 50/60Hz 60s
<b>Insulation resistance</b>	≥50MΩ(500VDC)
<b>Vibration resistance</b>	10...50Hz (0.5mm)

### Electrical Specifications

<b>Operating Supply Voltage</b>	10...30 VDC
<b>Current Consumption</b>	≤40mA
<b>Residual voltage</b>	≤2.5V
<b>Load Current</b>	≤200mA
<b>Reverse Polarity Protection</b>	YES
<b>Overload Protection</b>	YES
<b>Short Circuit Protection</b>	YES

### Mechanical Specifications

<b>Body Style</b>	Block
<b>Mounting Type</b>	Screw
<b>Housing Material</b>	PC/ABS
<b>Dimensions</b>	50*50*18mm
<b>Gross Weight</b>	130g (connector type) / 240g (cable type)

# Photoelectric Sensors

## Protection Category

IP Rating	IP67
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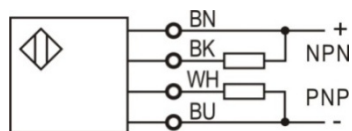
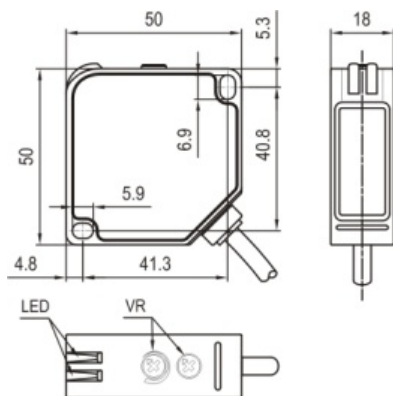
## Additional Information

Custom Tariff Number/HS code	903180
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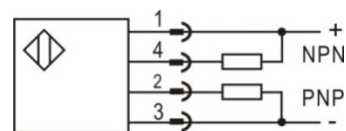
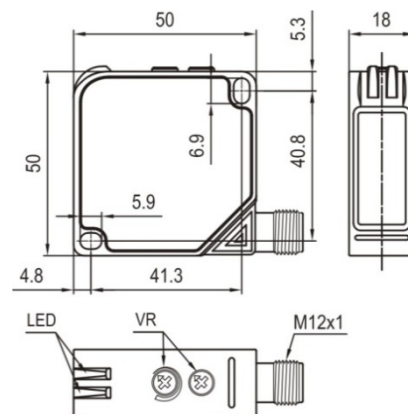
## Approvals

Compliance/Certifications	CE
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## Dimension and Wiring



Cable



Connector