

# RS PRO Photoelectric Sensor

RS Stock No.: 202-4472, 202-4473, 202-4475,  
202-4476

## FEATURES

- Diffuse reflection working principle;
- Excellent anti-interference performance
- High detection accuracy
- IP67, suitable for harsh environments
- 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
202-4472	200cm (adjustable)	Infrared (850nm)	NPN+PNP NO/NC	2m PVC cable
202-4473	200cm (adjustable)	Infrared (850nm)	NPN+PNP NO/NC	M12 connector

## General Specifications

<b>Detection Type</b>	Diffuse reflection
<b>Standard target</b>	White card with reflection rate 90%
<b>Detection target</b>	Opaque object
<b>Hysteresis[%/Sr]</b>	3...20%
<b>Repeat accuracy [R]</b>	≤5%
<b>Response time</b>	≤2ms
<b>Indicator</b>	Power: Green LED; Output: Yellow LED
<b>Ambient temperature</b>	-25°C...55 °C
<b>Ambient humidity</b>	35~85%RH (non-condensing)
<b>Voltage withstand</b>	2000V/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) / 220g (cable type)

## Protection Category

IP Rating	IP67
-----------	------

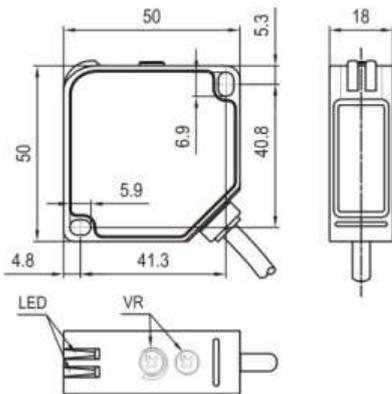
## Additional Information

Custom Tariff Number/HS code	903180
------------------------------	--------

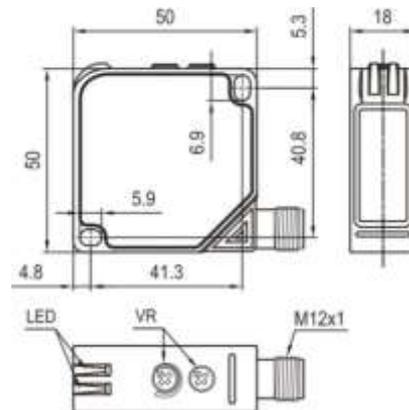
## Approvals

Compliance/Certifications	CE
---------------------------	----

## Dimension and Wiring



Cable



Connector

