

# RS PRO Photoelectric Sensor

RS Stock No.: 2043966, 2043967

## FEATURES

- Diffuse reflection working principle;
- Excellent anti-interference performance;
- High detection accuracy.



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
2043966	15cm (adjustable)	Infrared LED (880nm)	NPN NO	2m PVC cable
2043967	15cm (adjustable)	Infrared LED (880nm)	PNP NO	2m PVC cable

## General Specifications

<b>Detection Type</b>	Diffuse reflection sensor
<b>Rated distance</b>	15cm adjustable
<b>Standard target</b>	White card reflection rate 90%
<b>Detected target</b>	Opaque object
<b>Repeat accuracy [R]</b>	≤5%
<b>Response Time</b>	≤8.2ms
<b>Output Indicator</b>	Yellow LED
<b>Ambient temperature</b>	-15°C...55 °C
<b>Ambient humidity</b>	35...85 %RH (non-condensing)

## Electrical Specifications

<b>Operating Supply Voltage</b>	10...30 VDC
<b>Current Consumption</b>	≤25mA
<b>Residual voltage</b>	≤2.5V
<b>Load Current</b>	≤200mA
<b>Hysteresis</b>	≤3...20%
<b>Reverse Polarity Protection</b>	YES
<b>Overload Protection</b>	YES
<b>Short Circuit Protection</b>	YES
<b>Voltage withstand</b>	1000V/AC 50/60Hz 60s
<b>Insulation resistance</b>	≥50MΩ(500VDC)
<b>Vibration resistance</b>	10...50Hz (0.5mm)

## Mechanical Specifications

<b>Body Style</b>	Barrel
<b>Mounting Type</b>	Screw Nut

<b>Housing Material</b>	PBT
<b>Dimensions</b>	M12*52mm
<b>Weight</b>	82g

## Protection Category

<b>IP Rating</b>	IP67
------------------	------

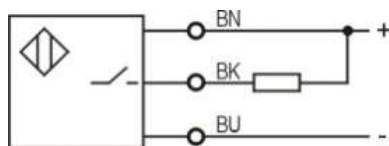
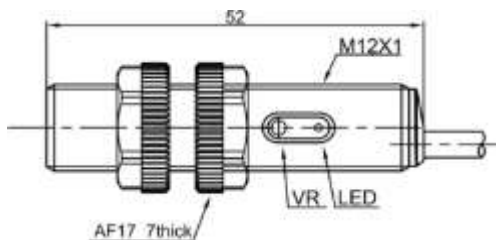
## Additional Information

<b>Custom Tariff Number/HS code</b>	903180
-------------------------------------	--------

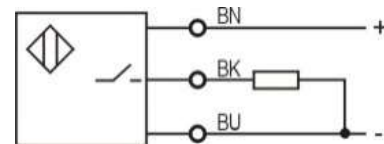
## Approvals

<b>Compliance/Certifications</b>	CE
----------------------------------	----

## Dimension and Wiring



NPN NO



PNP NO