

## FEATURES

- Through beam reflection working principle;
- Excellent anti-interference performance;
- $\leq 1\%$  accuracy
- Emitter and receiver should be used in pair.

## RS PRO Photoelectric Sensor

RS Stock No.: 204-4000, 204-4001, 204-4003, 204-4004, 204-4005, 204-4006



RS PRO 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
2044000 (Emitter)	10m (non adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2044001 (Receiver)				
2044000 (Emitter)	10m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2044003 (Receiver)				
2044004 (Emitter)	20m (non adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2044005 (Receiver)				
2044004 (Emitter)	20m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2044006 (Receiver)				

### General Specifications

<b>Detection Type</b>	Through beam reflection sensor
<b>Rated distance</b>	10m/20m (non adjustable)
<b>Standard target</b>	> $\phi$ 15mm opaque object
<b>Repeat accuracy [R]</b>	$\leq$ 5%
<b>Response Time</b>	$\leq$ 8.2ms
<b>Output Indicator</b>	Emitter: Green LED; Receiver: 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>	$\leq$ 25mA
<b>Residual voltage</b>	$\leq$ 2.5V (receiver)
<b>Load Current</b>	$\leq$ 200mA (receiver)
<b>Hysteresis</b>	.....
<b>Reverse Polarity Protection</b>	YES
<b>Short Circuit Protection</b>	YES
<b>Voltage withstand</b>	1000V/AC 50/60Hz 60s
<b>Insulation resistance</b>	$\geq$ 50M $\Omega$ (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>	M18*53.5mm
<b>Weight</b>	170g

**Protection Category**

<b>IP Rating</b>	IP67
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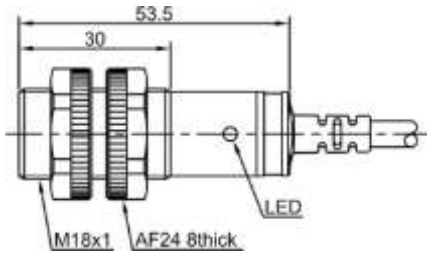
**Additional Information**

<b>Custom Tariff Number/HS code</b>	903180
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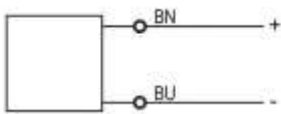
**Approvals**

<b>Compliance/Certifications</b>	CE
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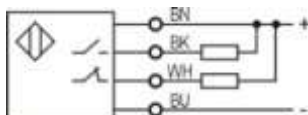
**Dimension and Wiring**



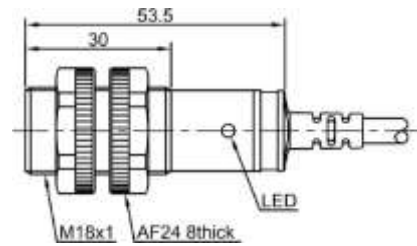
Emitter



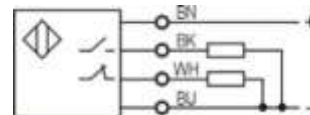
Emitter



Receiver NPN NO+NC



Receiver



Receiver PNP NO+NC