FEATURES

- **Through beam reflection working principle;**

- **Excellent anti-interference performance;**

- **<][\ ˙XYhYW˙jcb˙ UWW˙ fUW˙ŋ**

- **Emitter and receiver should be used in pair.**

RS PRO Photoelectric Sensor

RS Stock No.: 2043994, 2043995, 2043996, 2043997, 2043998, 2043999

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.

Photoelectric Sensors

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Part Number Description

Part number	Sensing distance	Light source	Output	Connection
2043994 (Emitter)	10m (non adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2043995 (Receiver)				
2043994 (Emitter)	10m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2043996 (Receiver)				
2043997(Emitter)	20m (non adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2043998 (Receiver)				
2043997(Emitter)	20m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2043999 (Receiver)				

General Specifications

Detection Type	Through beam reflection sensor
Rated distance	10m/20m (non adjustable)
Standard target	＞φ15mm opaque object
Repeat accuracy [R]	≤5%
Response Time	≤8.2ms
Output Indicator	Emitter: Green LED; Receiver: Yellow LED
Ambient temperature	-15ºC...55 ºC
Ambient humidity	35...85 %RH (non-condensing)

Electrical Specifications

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

Photoelectric Sensors

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Mechanical Specifications

Body Style	Barrel
Mounting Type	Screw Nut
Housing Material	Nickel copper alloy
Dimensions	M18*53.5mm
Weight	190g

Protection Category

IP Rating	IP67

Additional Information

Custom Tariff Number/HS code	903180

Approvals

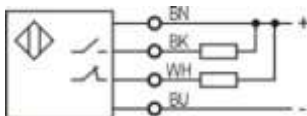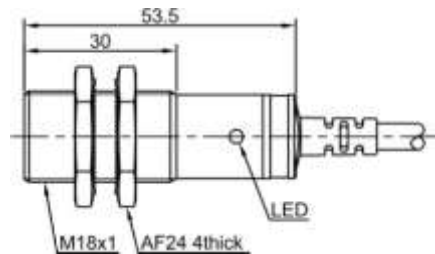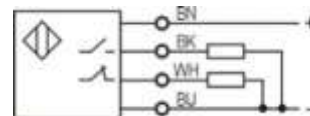|	
Compliance/Certifications	CE

Dimension and Wiring
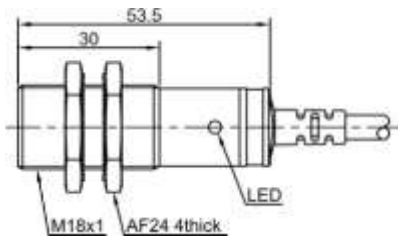
Emitter
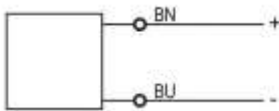
Receiver

Emitter

Receiver NPN NO+NC

Receiver PNP NO+NC