RS PRO Photoelectric Sensor

RS Stock No.: 2043961, 2043962, 2043963, 2043965

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.

Photoelectric Sensors

Part Number Description

Part number	Sensing distance	Light source	Output	Connection
2043961	15cm (adjustable)	Infrared LED (880nm)	NPN NO	2m PVC cable
2043962	15cm (adjustable)	Infrared LED (880nm)	PNP NO	2m PVC cable
2043963	15cm (adjustable)	Infrared LED (880nm)	NPN NO	M12 connector
2043965	15cm (adjustable)	Infrared LED (880nm)	PNP NO	M12 connector

General Specifications

Detection Type	Diffuse reflection sensor
Rated distance	15cm adjustable
Standard target	White card reflection rate 90%
Detected target	Opaque object
Repeat accuracy [R]	≤5%
Response Time	≤8.2ms
Output Indicator	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
Load Current	≤200mA
Hysteresis	≤3...20%
Reverse Polarity Protection	YES
Overload Protection	YES
Short Circuit Protection	YES
Voltage withstand	1000V/AC 50/60Hz 60s
Insulation resistance	≥50MΩ(500VDC)
Vibration resistance	10...50Hz (0.5mm)

Mechanical Specifications

Body Style	Barrel
Mounting Type	Screw Nut
Housing Material	Nickel copper alloy

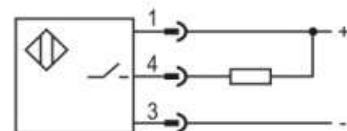| Dimensions	M12*65mm(connector type) / M12*52mm (cable type)
Weight	56g (connector type) / 100g (cable type)

Protection Category

IP Rating	IP67

Additional Information

Custom Tariff Number/HS code	903180

Approvals

Compliance/Certifications	CE

Dimension and Wiring
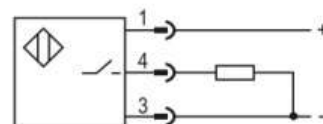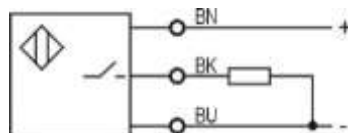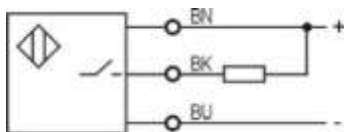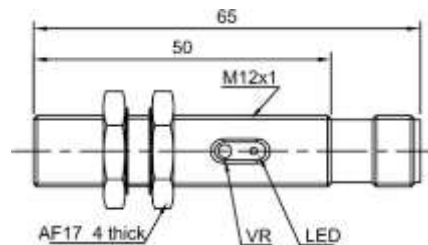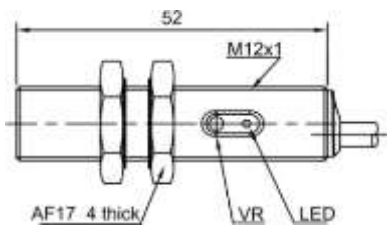
Cable type

Connection type