RS PRO Photoelectric Sensor

RS Stock No.: 2043980, 2043981, 2043982, 2043983

FEATURES

- **Retro 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
2043980	3m (non adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2043981	3m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2043982	3m (non adjustable)	Infrared LED (880nm)	PNP NO+NC	M12 connector
2043983	3m (non adjustable)	Infrared LED (880nm)	PNP NO	M12 connector

General Specifications

Detection Type	Retro reflection sensor
Rated distance	3m non adjustable
Standard target	TD-09 reflector
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	.....
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	M18*68mm (connector type) / M18*53.5mm (cable type)

Weight	76g (connector type) / 190g (cable type)

Protection Category

IP Rating	IP67

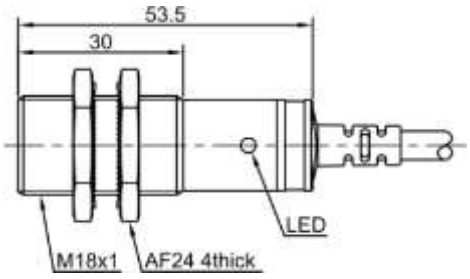
Additional Information

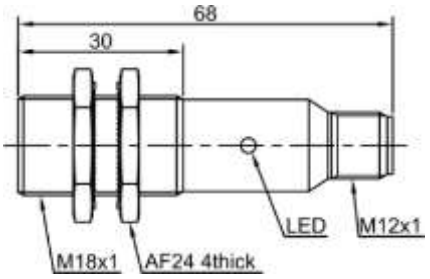
Custom Tariff Number/HS code	903180

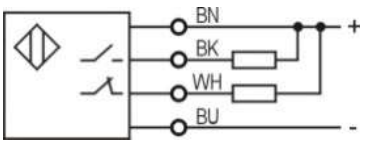
Approvals

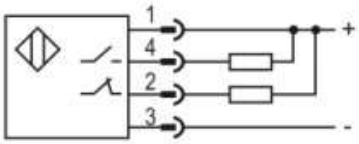
Compliance/Certifications	CE

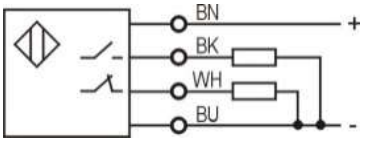
Dimension and Wiring

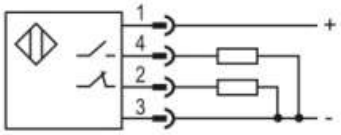












Cable type

Connection type