

Data Sheet:
PHD-M18-P-40



Introduction:

Cylindrical photoelectric sensor designed for the detection of transparent objects such as glass, plastic, or films. It operates without contact by emitting a light beam (typically infrared or LED) and detecting changes when the object alters or interrupts the reflected signal.

The sensor integrates a proximity-switch output (PNP) with DC power supply, making it suitable for basic industrial automation tasks.

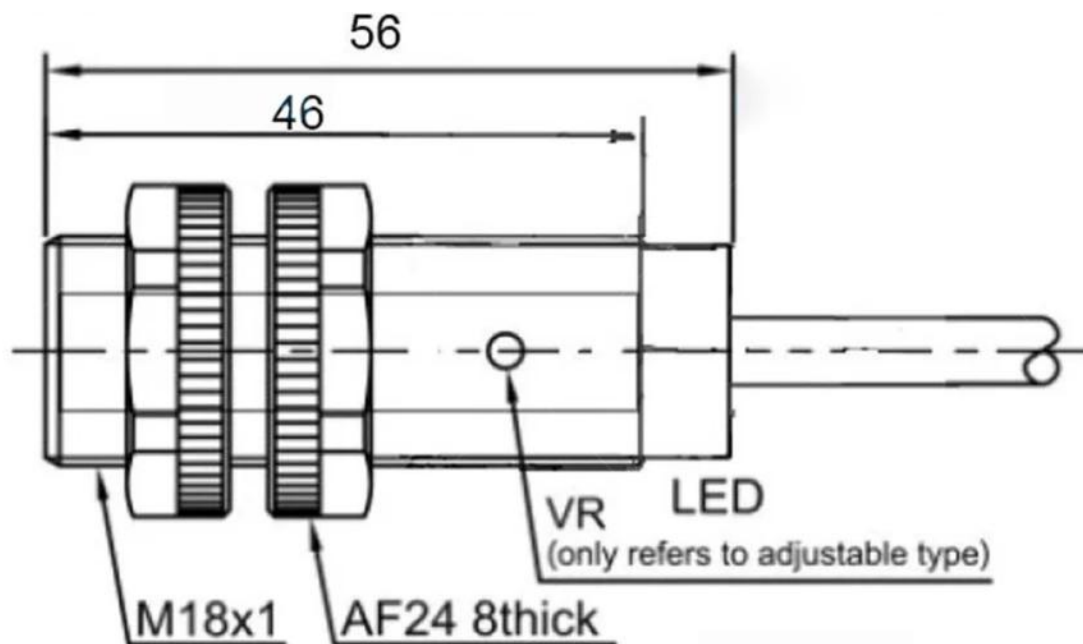
Its standard M18 threaded housing ensures easy installation and compatibility, being widely used for presence detection, counting, and control in production lines, especially where transparent materials are difficult to detect with conventional sensors.



In short: a compact and cost-effective optical sensor for reliable detection of transparent objects in industrial applications.

Certification: CE.

Dimension(mm):



Parameter:

- Voltage: 10–30 VDC
- Photoelectric diffuse
- Range 10-40 cm (Adjustable)
- Current consumption: < 25 mA
- Output: PNP NO
- Target: White card reflectivity 90%



- Light source Infrared LED (880nm)
- Range of hysteresis (%/Sr) 3...20%
- Repetition error $\leq 5\%$
- Protection Circuit: Short circuit/overload/reverse polarity protection
- Response time: $< 8.2\text{ms}$
- Temperature range: -25°C to $+65^{\circ}\text{C}$
- Material: ABS (polyethylene)
- Cable length: 2 m (3 wires)
- IP 67
- Output indication Yellow LED
- Load current $\leq 200\text{mA}$
- Ambient humidity 35-95%PH
- Ambient temperature -15°C ... $+55^{\circ}\text{C}$

Wiring instruction:

PNP

