

Photoelectric sensors Code : VL18-4P3640

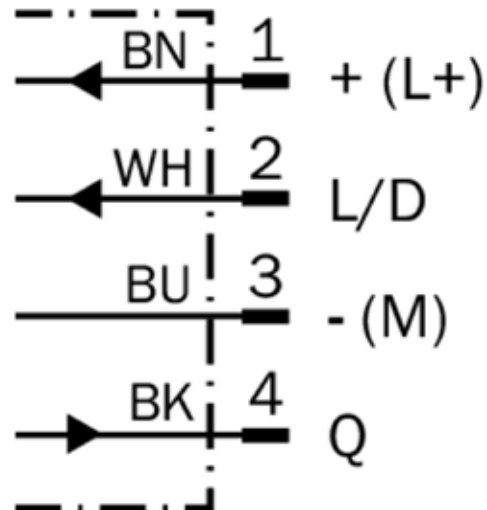
A Photoelectric Sensor consists primarily of an Emitter for emitting light and a Receiver for receiving light. When emitted light is interrupted or reflected by the sensing object, it changes the amount of light that arrives at the Receiver. The Receiver detects this change and converts it to an electrical output. These sensors are made of light sensitive parts. This makes them useful in detecting the light emitters or any type of light source. There are various types of this sensor. Majorly they utilize the phenomena of reflection of light in which emitter and receiver together detect the reflection of light that strikes the object. In some other cases they spot any disturbance due to the target in the beam of light.

General Attributes

- Detection principle : Photoelectric retro-reflective
- Housing design : Cylindrical, straight
- Housing length : 78 mm
- Thread diameter : M18 x 1
- Sensing range max. : 0.05 m ... 3.7 m
- Sensing range : 0.05 m ... 3 m
- Type of light : Visible red light
- Light source : LED
- Light spot size : Ø 150 mm (3 m)
- Adjustment : none
- Supply voltage : 10 V DC ... 30 V DC
- Output type : PNP
- Switching output : Light/dark switching
- Connection type : Male connector M12, 4-pin
- Housing material : Plastic, PBT/PC
- Ambient operating temp.: -25 °C ... +70 °C

Application Notes

- Detects Presence of Transparent Films
- Detects Transparent Bottles
- Warning Alarm For Bottles
- Validation of cigarette Paper
- Prevention of entry into restricted area



Connection diagram

For further information please visit : <https://goo.gl/4a9h1n>

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