Robust, self-contained photoelectric sensors with an integrated IO-link, feature compact housings, large sensing range and patented UV technology making it ideal for limited-space applications and challenging environments.

Features and Advantages

- Excellent color and contrast recognition
  
  Provides improved object detection

- IP67 rated, Ecolab approved enclosure
  
  Enables use in outdoor applications

- Sensors available in cubic and cylindrical housing working on diffuse, reflex and through-beam operating principles
  
  Offers design flexibility

- Smart communication system
  
  - Contains integrated IO-link
  
  - Continuously monitors process data
  
  - Continuously diagnoses sensor status
  
  - Offers advanced parameter settings and sensitivity adjustment
  
  - Makes check of sensor ID easy to ensure sensor position

- ASIC technology
  
  - Offers first-class sensing ranges, trimmed in production
  
  - Regulates emitting current
  
  - Provides mutual interference immunity
  
  - Allows adjustment processing via potentiometer or teach button
  
  - Stabilizes alarm processing
  
  - Contains integrated IO-link

- UV light technology for transparent object detection
  
  - Has a 300mm sensing range on white and gray; 250mm on black background
  
  - Uses a dual output with stability alarm
  
  - Provides mutual interference immunity
  
  - Features pinpoint LED

- Smallest opto sensor with fully integrated electronics
  
  Detects objects in narrow spaces, using the D4 and M5 versions

Markets and Applications

- Industrial Automation
  
  - Packaging machines
  
  - Food and beverage
  
  - Filling plant
  
  - Textile
  
  - Machine tools
  
  - Logistics

- Food and Beverage

- Textile

- Machine Tools

- Logistics
Contrinex Photoelectric Sensor

Specifications

REFERENCE INFORMATION
Mounting: Embeddable
Designed In: Millimeters
RoHS: Yes
REACH: Yes
Type of Light: UV
Sensitivity adjustment: Potentiometer

ELECTRICAL
Voltage (max.): 36V DC
Current (max.): 200mA
Output: Light-ON/Dark-ON
Polarity: PNP/NPN
Response time: 0.80 to 4.80 milliseconds

MECHANICAL
Sensing distance (mm): 1 to 50,000
Switching Frequency: 5 kHz
Sensing speed: 1 to 5 kHz

PHYSICAL
Housing size (mm): C12, C23, 4155, M4, M5, M12, M18, M18 Plastic
Connection:
Cable — (PVC 2m), (PVC 2m, 3 Wire), (PVC 2m, 4 Wire)
Connector — M12, (M8, 3-Pin), (M12, 4-Pin), (M12, 5-Pin)
Pigtail — (PVC 0.2m, M8, 3-Pin)
Operating Temperature: -25 to +55°C

Ordering Information

<table>
<thead>
<tr>
<th>Series No.</th>
<th>Product Description</th>
<th>Sensing Distance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120254</td>
<td>Photoelectric Sensor</td>
<td>1.00 to 50,000</td>
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</table>

www.molex.com/link/contrinex-sensors.html

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