Contrinex Inductive Sensor

Robust, self-contained inductive sensor with an integrated IO-link, feature compact housings, large sensing range making it ideal for limited-space applications and challenging environments

Features and Advantages

One-piece factor-1 steel and aluminum housing
Provides rugged mechanical and chemical protection from extreme conditions

IP67 and 69K rated enclosure
Enables use in outdoor, washdown areas and for sea-water applications

Vibration and shock resistance
Makes these sensors withstand harsh environments

ASIC technology
- Ensures proper operating distance
- Enables quick installation due to minimal variation between sensors
- Provides excellent temperature compensation (can withstand up to 230°C)
- Offers longer sensor life

Long operating distance - 40mm
- Provides up to four times the operating distance than standard applications
- Reduces the risk of sensor damage

Markets and Applications

Industrial Automation
- Packaging machines
- Material handling
- Food and beverage
- Filling plant
- Textile
- Machine tools
- Mobile equipment
- Logistics
- Welding machines
- Assembly lines
- Paint shops
### Specifications

**REFERENCE INFORMATION**
- Mounting: Embeddable
- Designed In: Millimeters
- RoHS: Yes
- REACH: Yes

**ELECTRICAL**
- Voltage (max.): 30V DC
- Current (max.): 200 mA
- Output: NO/NC
- Polarity: PNP/NPN

**MECHANICAL**
- Sensing distance (mm): 1 to 40
- Switching Frequency: ≤ 180 Hz
- Sensing speed: 0.02 to 10 kHz

**PHYSICAL**
- Housing size (mm): 3.00mm, 4.00mm, 6.50mm, C23, M4, M5, M8, M12, M18, M30, 40 x 40
- Connection:
  - Cable — (PVC 2m), (PVC 2m, 3 Wire), (PUR 2m, 3 Wire), (PUR 2m, 4 Wire), (TPE 2m, 3 Wire), (TPE-S 2m, 3 Wire)
  - Connector — M8, M12, (M8, 3-Pin), (M12, 4-Pin)
  - Pigtail — (PVC 0.2m, M8, 3-Pin), (PUR 0.2m, M8, 3-Pin)
- Operating Temperature: -25 to +85°C

### Ordering Information

<table>
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<tr>
<th>Series No.</th>
<th>Product Description</th>
<th>Sensing Distance (mm)</th>
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<tbody>
<tr>
<td>120253</td>
<td>Inductive Sensor</td>
<td>1.00 to 40.00</td>
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