

# 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**



*Inductive Sensors*

## 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

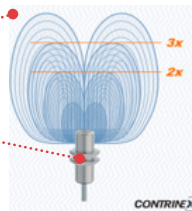
- Ensures proper operating distance
- Enables quick installation due to minimal variation between sensors
- Provides excellent temperature compensation (can withstand up to 230°C)
- Offers longer sensor life

### Long operating distance - 40mm

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

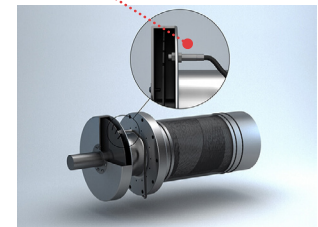


*Full INOX inductive sensor*



### Smallest self-contained miniature inductive sensors with IO-link

Provides space savings



*Miniature inductive sensor*

### Smart communication system

- Contains integrated IO-link
- Continuously monitors process data
- Continuously diagnoses sensor status
- Offers advanced parameter settings

## 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



Mobile Equipment



Textile



Machine Tools



Food and Beverage

## 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:  $\leq$  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

Series No.	Product Description	Sensing Distance (mm)
<u>120253</u>	Inductive Sensor	1.00 to 40.00