

Contrinex Inductive Sensor

molex

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

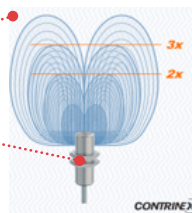
- Ensures proper operating distance
- Enables quick installation due to minimal variation between sensors
- Provides excellent temperature compensation (can withstand up to 230°C)
- Offers longer sensor life

Long operating distance - 40mm

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



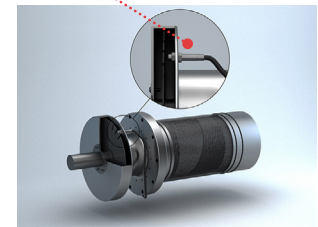
Full INOX inductive sensor



Inductive Sensors

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