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di-soric
IRSD-25-G3-B4
Inductive Ring
Sensor

di-soric IRSD-25-G3-B4 Inductive Ring Sensor Owner's Manual

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di-soric IRSD-25-G3-B4 Inductive Ring Sensor

Specifications:

- Product Model: IRSD-25-G3-B4
- Enclosure Type: 4X (indoor use only), 12, 13
- Supply Class: 2 NFPA 79 Applications only

- Service Voltage: 10 – 30 V DC
- Switching Output: Gegentakt/PNP/NPN, 100 mA, NO/NC
- No-load Current: 30 mA
- Speed of Parts (min.): 0.1 m/s
- Speed of Parts (max.): 35 m/s
- Protection Type: IP 67

Product Usage Instructions

Installation:

1. Ensure the product is suitable for indoor use only.
2. Connect the sensor to a power source within the specified voltage range (10 – 30 V DC).
3. Follow the wiring instructions provided in the product manual or seek customer support if adapters are needed.
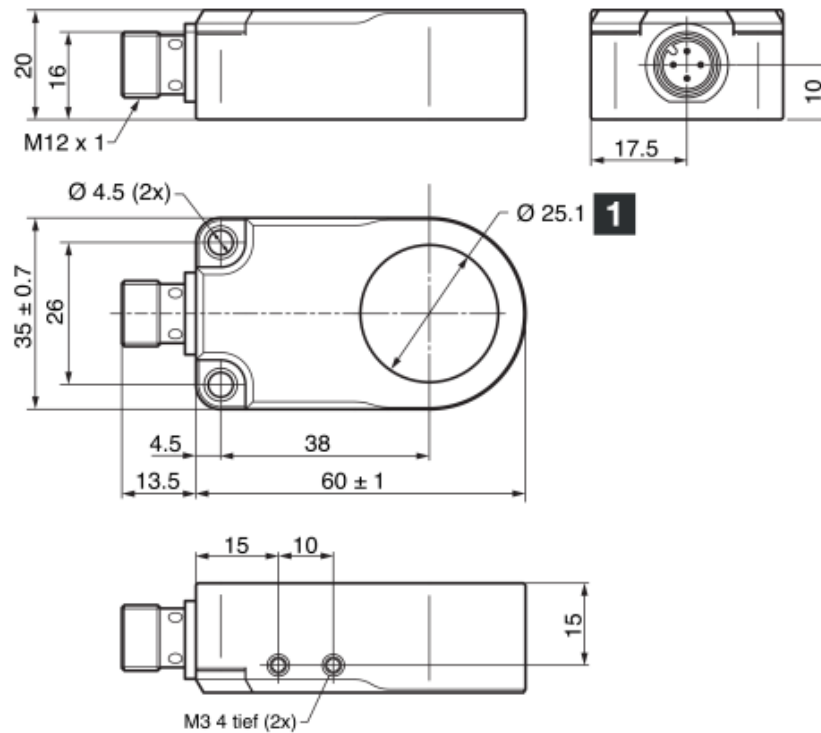4. Position the sensor with the internal diameter aligned as required for your application.

Operation:

1. Ensure the sensor is powered and functioning correctly.
2. Monitor the switching output to detect changes in parts speed within the specified range.
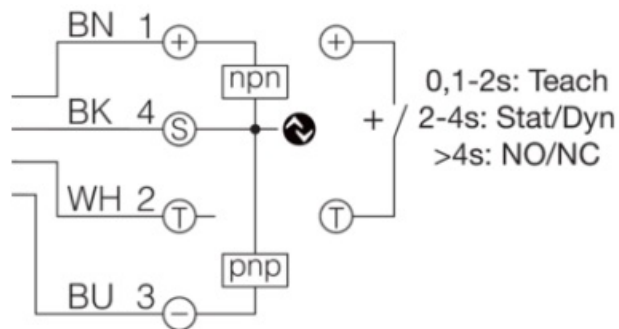3. Observe the protection type (IP 67) to ensure proper operation in the intended environment.

Maintenance:

1. Regularly check the sensor for any physical damage or wear.
2. Clean the sensor as needed to maintain optimal performance.

Ring Diameter

- **BK**: black
- **BN**: brown
- **BU**: blue
- **WH**: white

Safety instructions
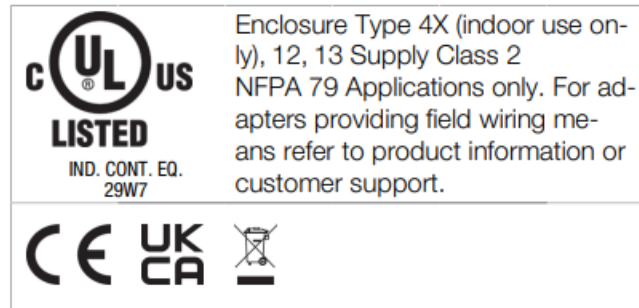
General safety notice

WARNING! Not a safety component pursuant to 2006/42/EG and EN 61496-1/-2! May not be used for personal protection! Non-compliance can lead to death or serious injuries! Only use as directed!

Technical data

- **Technical data** +20°C, 24 V DC
- **Internal diameter**   25,1 mm / 25.1 mm / 25,1 mm
- **Service voltage**   10 … 30 V DC
- **Switching output** Gegentakt/PNP/NPN, 100 mA, NO/NC / Push-pull/PNP/NPN, 100 mA, NO/NC / Push-pull/PNP/NPN,100 mA, NO/NC
- **No-load current (max.)** 30 mA

- **Speed of parts (min.)** 0,1 m/s / 0.1 m/s / 0,1 m/s
- **Speed of parts (max.)** 35 m/s
- **Protection type** IP 67
- **Ambient temperature during operation** -25 … +70 °C

As of 05/17/24, subject to change

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Enclosure Type 4X (indoor use only), 12, 13 Supply Class 2 NFPA 79 Applications only. For adapters providing field wiring means refer to product information or customer support.

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Frequently Asked Questions (FAQ):

Q: Can this sensor be used outdoors?
A: No, this sensor is designed for indoor use only.

Q: What is the maximum speed of parts that this sensor can detect?
A: The sensor can detect parts moving at speeds up to 35 m/s.

Q: Is this sensor suitable for personal protection applications?
A: No, this sensor is not a safety component for personal protection purposes.

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Documents / Resources

di-soric IRSD-25-G3-B4 Inductive Ring Sensor [pdf] Owner's Manual
213670, IRSD-25-G3-B4 Inductive Ring Sensor, IRSD-25-G3-B4, Inductive Ring Sensor, Ring Sensor, Sensor

References

- 🌐 soric.com
- ⊞ di-soric – Solutions. Clever. Practical.
- **User Manual**

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