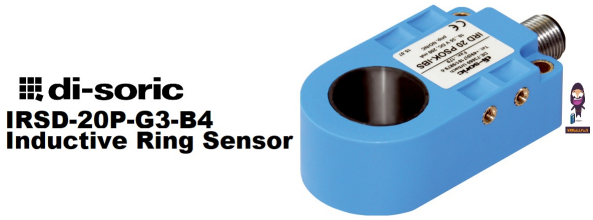


di-soric IRSD-20P-G3-B4 Inductive Ring Sensor Owner's Manual

Contents

di-soric IRSD-20P-G3-B4 Inductive Ring Sensor

Specifications

- **Internal Diameter:** 20.1 mm
- **Service Voltage:** 10 – 30 V DC
- **Switching Output:** Gegentakt/PNP/NPN, 100 mA, NO/NC
- **No-load Current (max.):** 30 mA
- **Speed of Parts (min.):** 0.1 m/s
- **Speed of Parts (max.):** 35 m/s
- **Protection Type:** IP 67
- **Ambient Temperature during Operation:** Not specified

Product Usage Instructions

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!

Product Usage

This inductive ring sensor is designed for indoor use only. It is suitable for applications in Enclosure Type 4X, 12, and 13 with
Supply Class 2 NFPA 79. Ensure proper installation and connection as per the provided product information or seek assistance from customer support for field wiring means.

Installation Steps

1. Identify a suitable location for the sensor.
2. Ensure the power supply voltage is within the specified range of 10 – 30 V DC.

3. Connect the sensor’s switching output based on your application requirements (Gegentakt/PNP/NPN).
4. Adjust the sensor for the desired parts speed range (min. and max.).
5. Ensure the sensor is protected from environmental factors to maintain its IP 67 rating.

FAQ

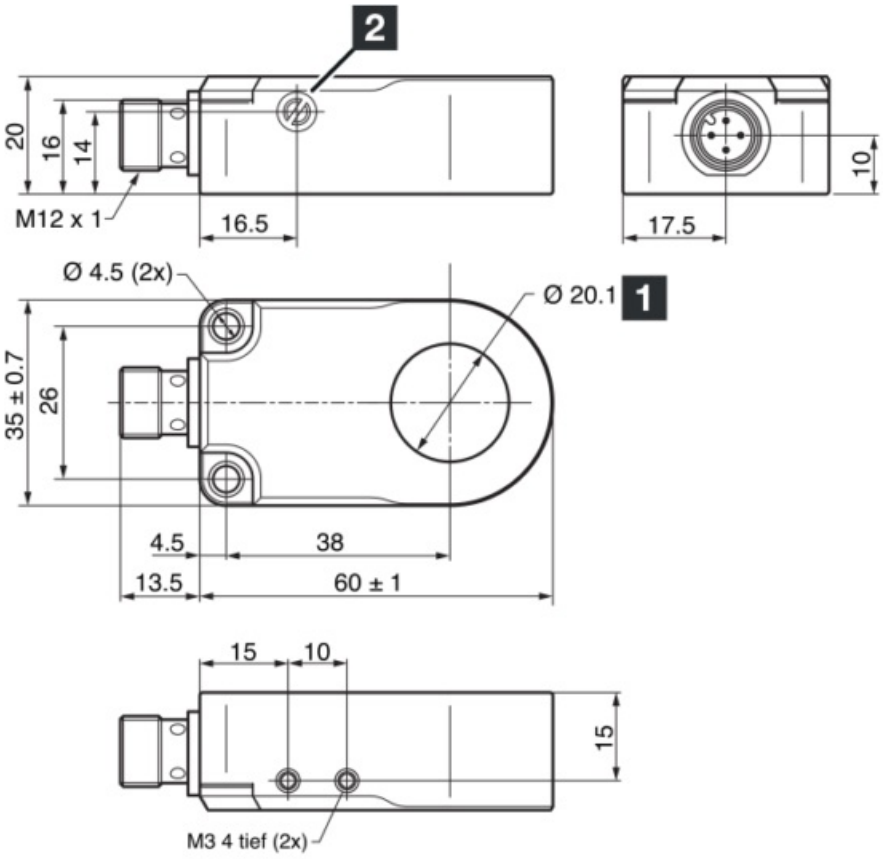
Q: Can this sensor be used outdoors?

A: No, this sensor is designed for indoor use only.

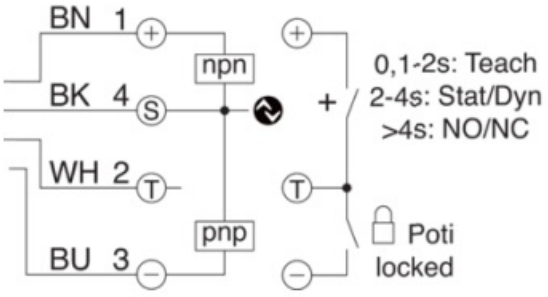
Q: What is the maximum current supported by the switching output?

A: The switching output can handle a maximum current of 100 mA.

Dimension



1. Ring diameter
2. sensitivity mm



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

Technical data

- **Technical data** +20°C, 24 V DC
- **Internal diameter** 20,1 mm / 20.1 mm / 20,1 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

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!
- As of 05/17/24, subject to change
- Enclosure Type 4X (indoor use only), 12, 13 Supply Class 2 NFPA 79 Applications only. For adapters providing field wiring means referring to product information or customer support.
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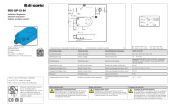
- **Steinbeisstraße 6**
- **DE-73660 Urbach**
- **Germany**
- **Tel: +49 (0) 7181/9879-0**
- **info@di-soric.com**
- **www.di-soric.com**
- **213790**

Documents / Resources

	di-soric IRSD-20P-G3-B4 Inductive Ring Sensor [pdf] Owner's Manual IRSD-20P-G3-B4, IRSD-20P-G3-B4 Inductive Ring Sensor, Inductive Ring Sensor, Ring Sensor, Sensor

References

- soric.com
- di-soric – Solutions. Clever. Practical.
- User Manual