Manuals+ — User Manuals Simplified.
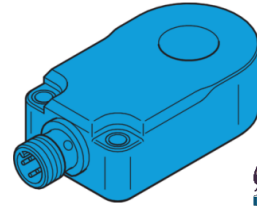

IRSD-15-G3-B4 Inductive Ring Sensor

di-soric IRSD-15-G3-B4 Inductive Ring Sensor Instruction Manual

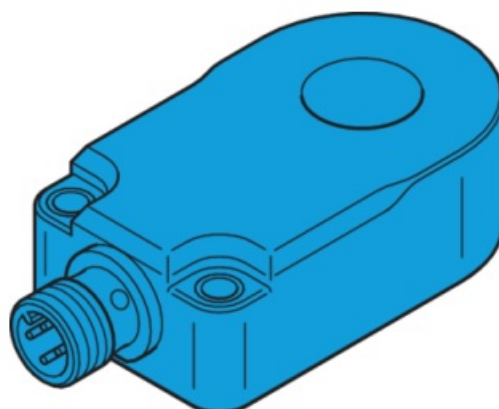## Contents

di-soric IRSD-15-G3-B4 Inductive Ring Sensor

Specifications

- Internal Diameter: 15.1 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

Installation:

1. Ensure the power supply is within the specified range of 10 – 30 V DC.
2. Connect the sensor according to the provided wiring instructions.
3. Mount the sensor in a suitable location with the internal diameter aligned correctly.
4. Ensure the sensor is protected from external elements as per its IP 67 rating.

Operation:

1. Apply power within the specified voltage range to activate the sensor.
2. Monitor the switching output for the desired response based on your application requirements.
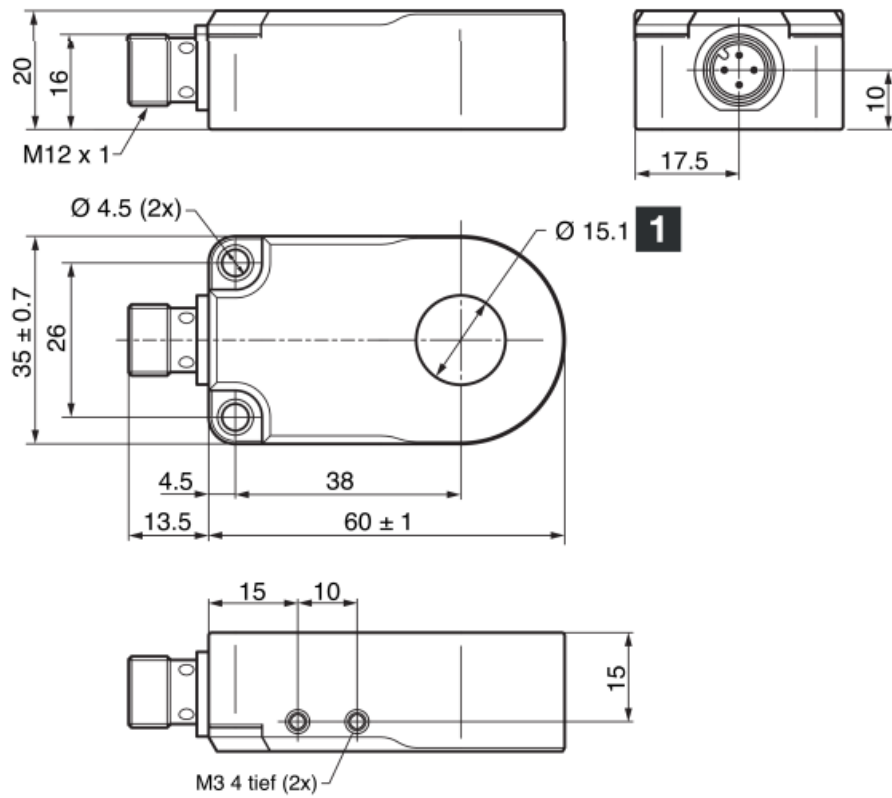3. Adjust the sensor position or settings if needed to optimize performance.

Maintenance:

1. Regularly inspect the sensor for any signs of damage or wear.
2. Clean the sensor gently using a soft cloth if necessary to maintain proper functionality.
3. Refer to the user manual for any specific maintenance procedures recommended by the manufacturer.
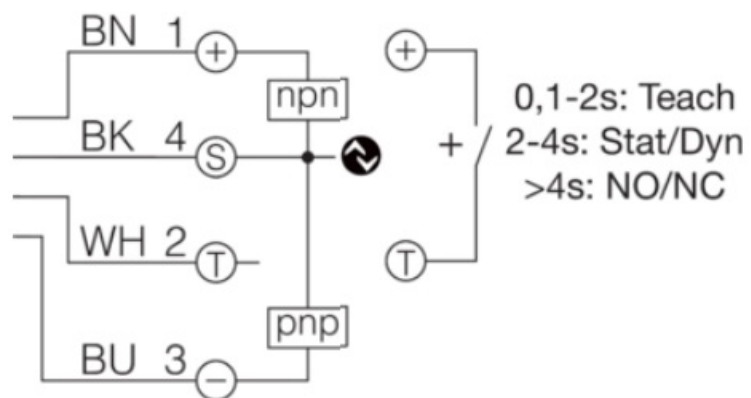
FAQ

- **Q: Can this sensor be used outdoors?**
  - A: No, this sensor is rated for indoor use only.
- **Q: What is the maximum speed of parts this sensor can detect?**
  - A: The sensor can detect parts moving at speeds up to 35 m/s.

Dimension

Dimensions (mm):

- 20
- 16
- M12 x 1
- 17.5
- 10
- Ø 4.5 (2x)
- Ø 15.1 **1**
- 35 ± 0.7
- 26
- 4.5
- 38
- 13.5
- 60 ± 1
- 15
- 10
- 15
- M3 4 tief (2x)

- Ring diameter

BN 1 (+)

npn

BK 4 (S)

WH 2 (T)

pnp

BU 3 (−)

(+)

+ /

(T)

0,1-2s: Teach
2-4s: Stat/Dyn
>4s: NO/NC

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

Technical data

Technical data	+20°C, 24 V DC
Internal diameter	15,1 mm / 15.1 mm / 15,1 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!

Contact

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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 refer to product information or customer support

Documents / Resources

di-soric IRSD-15-G3-B4 Inductive Ring Sensor [pdf] Instruction Manual
IRSD-15-G3-B4, 213668, IRSD-15-G3-B4 Inductive Ring Sensor, IRSD-15-G3-B4, Inductive Ring Sensor, Ring Sensor, Sensor

References

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