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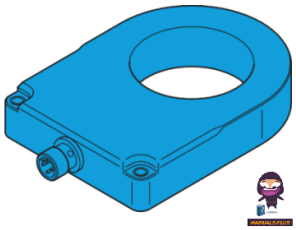
**IRSD-50-G3-B4 Inductive Ring Sensor**



# di-soric IRSD-50-G3-B4 Inductive Ring Sensor Owner's Manual



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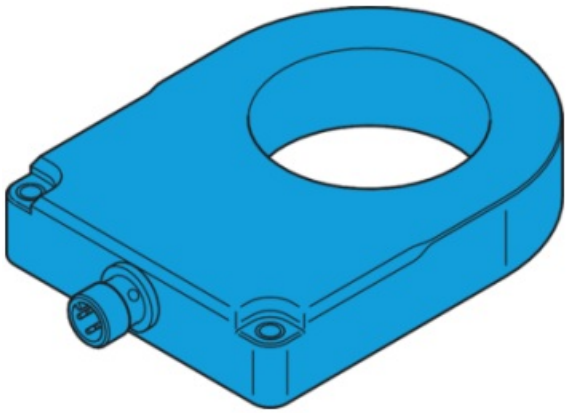
## di-soric IRSD-50-G3-B4 Inductive Ring Sensor



## Product Specifications

| | |
|---|---|
| **Internal Diameter** | 50.1 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 |
| **Speed of Parts (max.)** | 35 m/s |
| **Protection Type** | IP 67 |

## Product Usage Instructions

### Safety Instructions

**General Safety Notice:** This product is not a safety component and may not be used for personal protection. Non-compliance can lead to death or serious injuries. Only use as directed.

### Operating Conditions

**Ambient Temperature:** Ensure the product operates within the specified temperature range during operation.

### Installation

Install the inductive ring sensor according to the provided guidelines in the user manual. Refer to product information or customer support for adapters providing field wiring means.

### Power Supply

Connect the sensor to a power supply within the voltage range of 10 – 30 V DC.

### Switching Output Configuration

Configure the switching output based on your application needs, selecting the appropriate mode (Gegentakt/PNP/NPN) and current requirements (100 mA, NO/NC).

### Speed Adjustment

Adjust the speed of parts based on your application requirements, ensuring it stays within the specified range of 0.1 m/s to 35 m/s.

### Maintenance

Regularly inspect and clean the inductive ring sensor to ensure optimal performance and longevity.

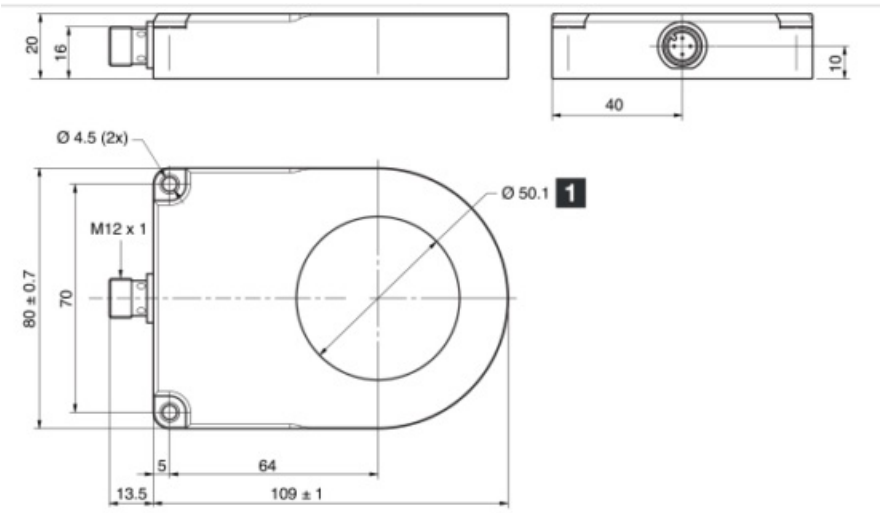
## Frequently Asked Questions

- **Is the inductive ring sensor suitable for outdoor use?**

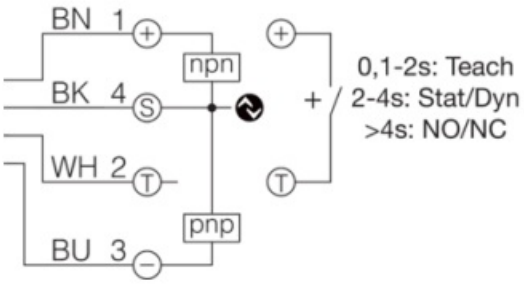
- No, the enclosure type is specified for indoor use only.

- **What is the maximum service voltage supported by the sensor?**
  - The sensor supports a service voltage range of 10 – 30 V DC.
- **Can the inductive ring sensor be used for personal protection?**
  - No, it is not designed for personal protection purposes.

## Dimension




**Ring diameter mm**




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

## Technical data

| | |
|---|---|
| Technical data | +20°C, 24 V DC |
| Internal diameter | 50,1 mm / 50.1 mm / 50,1 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 directedAs of 05/17/24, subject to change

## Contact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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.

## Documents / Resources

| | |
|---|---|
|  | di-soric IRSD-50-G3-B4 Inductive Ring Sensor [pdf] Owner's Manual<br>IRSD-50-G3-B4, 213673, IRSD-50-G3-B4 Inductive Ring Sensor, IRSD-50-G3-B4, Inductive Ring Sensor, Ring Sensor, Sensor |

## References

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