



Inductive Sensors with Durable PVDF Housing Material 10...35 Vdc Operating Voltage

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: VR-10-S-B-D8
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month

KRONZ



Product Specification

- Output Current Max. I_e : Max. 250mA
- Flush Mounting: No
- Connection: Cable 2m, PVC, 3x0.14mm²
- Voltage Drop U_d : Max. ≤ 3.5 V
- Frequency Of Operating Max. 500 Hz Cycles:
- No Load Current I_o : Tip. 15mA
- Operating Distance S_n : 8 Mm
- Active Surface: PVDF

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Product Description:

The Inductive Sensors product is a reliable and versatile solution for various industrial applications. This rectangular sensor offers exceptional repeat accuracy, with a rate of less than 5%, ensuring precise and consistent detection capabilities. With a maximum frequency of operating cycles reaching up to 500 Hz, this sensor can efficiently handle high-speed processes with ease.

Equipped with a distinctive yellow LED display, the Inductive Sensors product provides clear and visible indication of its status, facilitating quick and easy monitoring. The LED display enhances the sensor's visibility in different working environments, ensuring efficient operation and maintenance.

The Inductive Sensors product features a no-load current I_0 of approximately 15mA, contributing to its energy-efficient performance. This low no-load current consumption minimizes power usage and helps optimize energy resources, making it an environmentally friendly option for industrial applications.

Designed to withstand challenging conditions, the Inductive Sensors product has a permitted ambient temperature range of -10°C to $+60^{\circ}\text{C}$. This wide temperature tolerance ensures reliable operation in diverse working environments, allowing the sensor to maintain consistent performance even in extreme conditions.

As an IP67 sensor, the Inductive Sensors product offers superior protection against dust and water ingress, making it suitable for use in harsh industrial settings. Its robust construction and sealed design provide durability and reliability, ensuring long-term performance in demanding applications.

With its PNP sensor configuration, the Inductive Sensors product delivers accurate and efficient detection capabilities, enabling seamless integration into various automation systems. The PNP sensor technology enhances the sensor's responsiveness and precision, making it a dependable choice for industrial automation and control applications.

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Item No.	VR-10-S-B-D8
Output	PNP normally open
Operating distance S_n	8 mm
Flush mounting	no
Electrical version	3 wires DC
Operating voltage U_b	10...35 Vdc
Output current max. I_e	max. 250mA
Voltage drop U_d	max. < 3.5 V
Permitted residual ripple	max. 10%
No load current I_o	tip. 15mA
Frequency of operating cycles	max. 500 Hz

Rectangular housing - Long distance version
Cable output
Mounting bracket B type

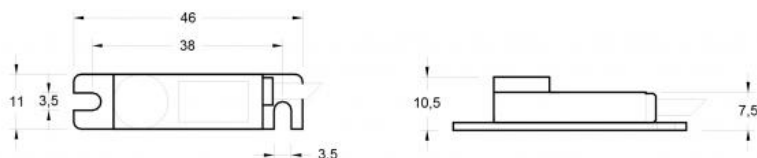
TYPE - ART. NO.

VR-10-S-B-D8 - SM105075
 VR-10-O-B-D8
 VR-20-S-B-D8

DESCRIPTION

10 = PNP
 20 = NPN
 S = normally open
 O = normally closed
 B = bracket version
 D8 = Sn 8mm

DIMENSIONS AND TECHNICAL DATA



Operating distance Sn	8 mm
Flush mounting	no
Electrical version	3 wires DC
Operating voltage Ub	10...35 Vdc
Output current max. Ie	max. 250mA
Voltage drop Ud	max. ≤ 3.5 V
Permitted residual ripple	max. 10%
No load current Io	tip. 15mA
Frequency of operating cycles	max. 500 Hz
Hysteresis	< 15 %
Repeat accuracy	< 5 %
Permitted ambient temperature	-10...+60°C
Temperature drift	< 15 %
Led display	yellow
Protective circuit	built-in
Degree of protection	(IEC 529) IP 67
Housing material	PVDF
Active surface	PVDF
Connection	cable 2m, PVC, 3x0.14mm ²
Maximum torque Nm	-
Connection diagrams	

Ed. E/12 - All specifications are subject to change without notice

Applications:

KRONZ Inductive Sensors are versatile devices suitable for a wide range of product application occasions and scenarios. These proximity sensors with cables are designed to provide reliable and accurate detection in various industrial settings. Here are some key areas where the KRONZ Inductive Sensors can be effectively utilized:

1. **Manufacturing Industry:** The sensors can be used in automated production lines for detecting the presence or absence of metal objects, ensuring smooth operation and efficiency.
2. **Packaging Industry:** KRONZ Inductive Sensors are ideal for packaging machines to detect the position of packaging materials, helping in precise packaging and reducing wastage.
3. **Automotive Industry:** These sensors can be integrated into automotive assembly lines for quality control purposes, detecting metal components with high precision.
4. **Robotics:** In robotic applications, the KRONZ Inductive Sensors can be used to provide feedback for robotic arms and grippers, enabling accurate positioning and movement.
5. **Material Handling:** The sensors are suitable for material handling equipment such as conveyor belts and forklifts, ensuring efficient material flow and preventing collisions.
6. **Industrial Automation:** KRONZ Inductive Sensors play a crucial role in industrial automation systems by detecting metallic objects in various processes, enhancing overall system performance.

With a voltage drop of maximum ≤ 3.5 V and permitted ambient temperature range of -10°C to +60°C, these sensors are robust and reliable in challenging environments. The yellow LED display provides clear indication of sensor status, enhancing visibility in industrial settings.

Each KRONZ Inductive Sensor comes with CE certification, guaranteeing compliance with international quality and safety standards. The product is available for purchase with a minimum order quantity of 1, and the price is negotiable, making it accessible for different budget requirements.

For delivery, the sensors are securely packaged in polybags, ensuring safe transit to the desired location. With a delivery time of 5-8 working days, customers can rely on prompt shipment of their orders.

Payment for the KRONZ Inductive Sensors can be made through T/T, Western Union, or MoneyGram, providing flexibility and convenience to buyers. With a supply ability of 100,000 pieces per month, customers can rely on consistent availability of the product. In conclusion, KRONZ Inductive Sensors offer high performance, durability, and reliability, making them an ideal choice for a wide range of industrial applications requiring a proximity sensor with cable. Their precision detection capabilities and robust design make them a valuable asset in enhancing operational efficiency and productivity.

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ABOUT US

KRONZ is a manufacturing enterprise located in Zengcheng District, Guangzhou City. We focus on providing customers with high-efficiency industrial automation solutions and related industrial products. After many years of innovation and development, KRONZ has complete product processing equipment and a professional team who are proficient in various automation technologies.

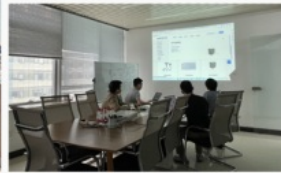
In order to improve the quality of products and production efficiency, we continue to introduce advanced production equipment and technology, strengthen investment in research and development. At present, our main products include Industrial Connectors, Inductive Sensors, Capacitive Sensors, Photoelectric Sensors, Ultrasonic Sensors, Industrial power supplies, Industrial fieldbus, RFID recognition systems, Industrial Ethernet Switches

We not only produce the orders of standard products, but also have ability to make customize production based on customer design drawings or samples.

Adhering to the principle of mutual benefit, we provide our customers with competitive prices , and perfect after-sales service. Kronz's products have been sold in multiple countries, have won the trust and praise of customers. KRONZ expect to collaborate with you.



OUR FACTORY



Certifications



Support and Services:

Our Product Technical Support and Services for Inductive Sensors include:

- Installation assistance
- Troubleshooting support
- Product maintenance guidance
- Warranty information
- Software updates and downloads
- Training resources

Packing and Shipping:

Product Name: Inductive Sensors

Description: High-quality inductive sensors for industrial applications.

Features: - Durable construction - High sensitivity - Easy to install

Packaging: Each inductive sensor is carefully packaged in a protective foam padding to ensure safe delivery.

Shipping: We offer fast and reliable shipping options to ensure your inductive sensors reach you on time and in perfect condition.

Logistics and Payment



1. Samples and small orders can be shipped with fast shipment method, by air and by express. Bulk order will ship by sea, by air, by train, by truck etc.

2. We also can send the goods to your agent warehouse.

3. If you need any more shipping method, please feel free to contact with us.





Note:

Due to the wide range of our products, we cannot list all product pictures and corresponding product parameters. If you have other needs, please communicate with me. We can provide supplementary information and technical support.
We Are Happy to Serve You.



CONTACT US

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