



Inductive Proximity Sensor with 3 Wires DC IP67 Hysteresis <15 % Protective Circuit

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: VR-20-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

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Product Specification

- Output Current Max. I_e : Max. 250mA
- Temperature Drift: <15 %
- Led Display: Yellow
- Operating Voltage U_b : 10...35 Vdc
- Voltage Drop U_d : Max. ≤ 3.5 V
- Flush Mounting: No
- Electrical Version: 3 Wires DC
- Operating Distance S_n : 8 Mm

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Product Description:

The Inductive Sensors product is a versatile distance sensor designed to provide accurate proximity sensing capabilities in a variety of applications. With a hysteresis of less than 15%, this sensor ensures precise and reliable detection of objects in its vicinity.

Equipped with a voltage drop U_d of maximum 3.5 V, the Inductive Sensor operates efficiently within a voltage range of 10 to 35 Vdc. This feature allows for seamless integration into different power systems while maintaining optimal performance.

With a no-load current I_o of typically 15mA, this sensor offers energy-efficient operation, ensuring minimal power consumption during standby or idle periods. The inclusion of a yellow LED display further enhances visibility and status indication for easy monitoring and troubleshooting.

As an IP67 sensor, the Inductive Sensor is built to withstand harsh environmental conditions, making it suitable for use in industrial settings where dust, moisture, or debris may be present. The robust design ensures reliable performance even in challenging environments, providing long-lasting durability and consistent operation.

With its cable proximity sensor feature, this product offers convenient connectivity options, allowing for flexible installation and integration into existing systems. The cable design enhances ease of use and facilitates quick deployment, making it an ideal choice for various proximity sensing applications.

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Item No.	VR-20-S-B-D8
Output	NPN normally open
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

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

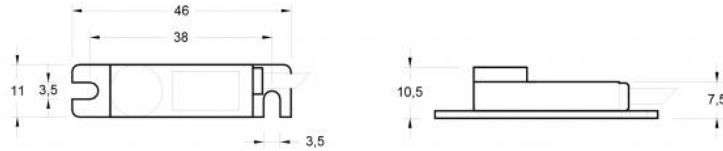
TYPE - ART. NO.

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 applications due to their high-quality performance and reliable functionality. These sensors can be utilized in various scenarios to provide accurate proximity sensing capabilities, making them an ideal choice for industries requiring precision and efficiency.

Product Application Occasions and Scenarios:

- Industrial Automation:** The KRONZ inductive sensors are perfect for use in industrial automation settings where precise proximity sensing is essential. These sensors can detect the presence of metallic objects without the need for physical contact, ensuring smooth operation and enhanced safety.
- Machinery Manufacturing:** In machinery manufacturing processes, the PNP sensors with cable connection provided by KRONZ are invaluable for detecting the position of moving parts and ensuring proper functioning of equipment. The yellow LED display allows for easy monitoring and troubleshooting.
- Automotive Industry:** The inductive sensors from KRONZ are well-suited for use in the automotive industry for tasks such as detecting the presence of vehicles on assembly lines or monitoring the position of components during production. The sensors' reliable performance and durable construction make them a preferred choice for automotive applications.
- Packaging Machinery:** The flush mounting feature of the KRONZ inductive sensors makes them ideal for integration into packaging machinery where space is limited. The sensors' ability to withstand high levels of residual ripple ensures consistent and accurate detection in fast-paced packaging environments.
- Robotics and AI:** Proximity sensors play a crucial role in robotics and AI applications by enabling robots to navigate their surroundings and interact with objects effectively. The KRONZ inductive sensors with PNP technology offer fast response times and high sensitivity, making them suitable for use in advanced robotic systems.

With a minimum order quantity of 1 and negotiable pricing, the KRONZ inductive sensors provide cost-effective solutions for businesses of all sizes. The sensors come with CE certification, guaranteeing compliance with international quality standards, and are manufactured in Guangdong, China, ensuring high levels of precision and reliability.

Ordering the KRONZ inductive sensors also comes with the convenience of polybag packing, fast delivery times of 5-8 working days, and flexible payment terms including T/T, Western Union, and MoneyGram. With a supply ability of 100,000 pieces per month, businesses can rely on KRONZ for consistent and timely delivery of high-quality inductive sensors for their specific application needs.

Experience the superior performance and versatility of KRONZ inductive sensors in your industry today!

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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 Inductive Sensors product line comes with comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of expert technicians is available to assist with product installation, troubleshooting, and maintenance. Additionally, we offer training programs to help users fully utilize the capabilities of our Inductive Sensors. Contact us for any inquiries or

support needs.

Packing and Shipping:

Product Packaging for Inductive Sensors:

Our inductive sensors are carefully packaged to ensure they arrive in perfect condition. Each sensor is securely wrapped and placed in a sturdy box with protective cushioning material to prevent any damage during transit.

Shipping Information:

Orders are typically processed and shipped within 1-2 business days. We offer standard and expedited shipping options to suit your needs. Once your order is shipped, you will receive a tracking number to monitor the delivery status of your inductive sensors.

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

KRONZ Kronz (guangzhou) Electronics Co., Ltd.



+8618924160375



sales02@kronz.cn



connector-industrial.com

6th Floor, B602 Building, No.10, Rong Jing 2nd Road, Yu Shan Guo Ji, Yong Ning Street, Zeng Cheng District,
Guangzhou, P.R.China