



## Yellow Led Display Inductive Sensors Temperature Drift 15% Electrical Version 3 Wires DC

### Our Product Introduction

#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: VR-10-O-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

- Active Surface: PVDF
- Electrical Version: 3 Wires DC
- Output Current Max. Le: Max.250mA
- Led Display: Yellow
- Operating Distance Sn: 8 Mm
- Frequency Of Operating Max. 500 Hz Cycles:
- Connection: Cable 2m, PVC, 3x0.14mm2
- Operating Voltage Ub: 10...35 Vdc

**KRONZ**

### Product Description:

An inductive sensor with cable is a versatile and reliable solution for various industrial automation applications. The Inductive Sensors product offers robust performance with a maximum output current of 250mA, making it suitable for demanding tasks in industrial settings. Equipped with a 3-wire DC electrical version, this inductive sensor ensures easy installation and compatibility with standard industrial setups. The inclusion of a cable simplifies the connection process, providing a convenient and hassle-free experience for users.

The active surface of the Inductive Sensors product is made of PVDF, a durable and high-quality material that enhances the sensor's sensing capabilities. This ensures accurate and consistent detection of objects in its vicinity, making it ideal for precision-based applications in manufacturing and automation.

With a temperature drift of less than 15%, this inductive sensor maintains stable performance across a wide range of operating conditions. Whether in extreme heat or cold environments, users can rely on the sensor to deliver accurate and reliable results consistently.

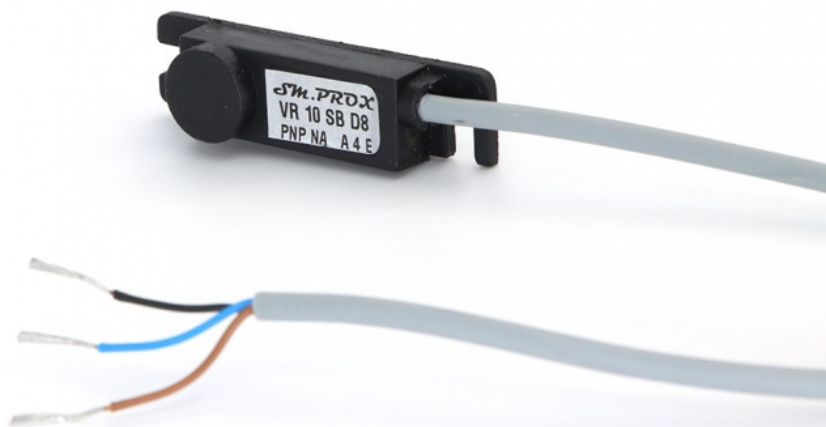
Furthermore, the Inductive Sensors product boasts a high degree of protection with an IP67 rating according to IEC 529 standards. This ensures that the sensor is resistant to dust and water ingress, making it suitable for use in harsh industrial environments where exposure to contaminants is a concern.

In summary, the Inductive Sensors product is a high-performance sensor with cable that delivers reliable and accurate results in industrial automation applications. With its maximum output current of 250mA, 3-wire DC electrical version, PVDF active surface, low temperature drift, and IP67 degree of protection, this inductive sensor is a dependable choice for various industrial automation tasks.

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Item No.	VR-10-O-B-D8
Output	PNP normally closed
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

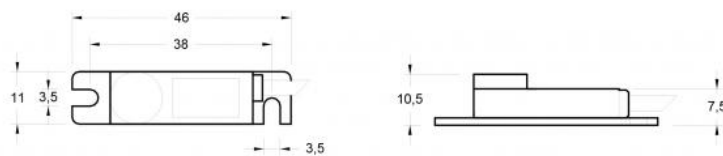
S = normally open

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	cabie 2m, PVC, 3x0.14mm <sup>2</sup>
Maximum torque Nm	-
Connection diagrams	

Ed. E/H2 - 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 reliable performance and durability. These sensors, originating from Guangdong, China, are certified with CE, ensuring high quality and safety standards. With a minimum order quantity of 1 and negotiable pricing, they are accessible to various industries and businesses.

The Product Application Occasions and Scenarios for the KRONZ Inductive Sensors include:

- 1. Industrial Automation:** The rectangular sensor design of KRONZ Inductive Sensors makes them ideal for industrial automation applications. Whether it's detecting metal objects or controlling machinery, these sensors provide accurate and efficient performance.
  - 2. Manufacturing Processes:** The sensor with cable feature of KRONZ Inductive Sensors enables easy installation and integration into manufacturing processes. From assembly lines to quality control, these sensors ensure smooth operations.
  - 3. Proximity Detection:** KRONZ Inductive Sensors are highly effective in proximity sensing applications. Whether it's detecting the presence of objects or monitoring movement, these sensors offer reliable performance with a repeat accuracy of less than 5%. With an operating voltage Ub of 10 to 35 Vdc and a frequency of operating cycles up to 500 Hz, these sensors are versatile in various scenarios. The permitted residual ripple of maximum 10% ensures stable and consistent performance.
- Furthermore, the packaging details of polybag packing, along with a delivery time of 5-8 working days, make the procurement process convenient. Payment terms accepted include T/T, Western Union, and MoneyGram, providing flexibility to customers. With a supply ability of 100,000 pieces per month, KRONZ Inductive Sensors are readily available to meet the demands of different industries.

# KRONZ

## 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 comes with comprehensive Product Technical Support and Services to ensure that our customers have a



seamless experience. Our dedicated technical support team is available to assist with any product-related queries, troubleshooting, and technical guidance. Additionally, we offer services such as installation support, product training, and maintenance assistance to help you maximize the performance of our Inductive Sensors.

### Packing and Shipping:

Product Packaging and Shipping for Inductive Sensors:

Our inductive sensors are carefully packaged to ensure safe delivery to our customers. Each sensor is placed in a protective plastic casing and then surrounded by bubble wrap to prevent any damage during transit.

For shipping, we use reliable carriers to deliver our products promptly. All packages are tracked to provide real-time updates on the shipping status. Customers can expect their inductive sensors to arrive in good condition and on time.

## 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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