



## Inductive Sensor PVDF Housing Material Long Distance 8mm Cable Output Bracket Version

### 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

- Connection: Cable 2m, PVC, 3x0.14mm<sup>2</sup>
- Operating Voltage Ub: 10...35 Vdc
- Operating Distance Sn: 8 Mm
- Voltage Drop Ud: Max.  $\leq 3.5$  V
- Frequency Of Operating Max. 500 Hz Cycles:
- Housing Material: PVDF
- Temperature Drift:  $<15\%$
- Electrical Version: 3 Wires DC

KRONZ



### Product Description:

A Rectangular Sensor is a type of Inductive Sensor that is designed to detect the presence or absence of metallic objects. One of the key features of the Rectangular Sensor is its high level of accuracy and reliability, making it a popular choice for industrial applications. When it comes to the Inductive Sensors product line, one standout model is equipped with impressive specifications to meet the needs of various industries. This particular Inductive Sensor boasts a Temperature drift of less than 15%, ensuring consistent performance even in fluctuating temperature conditions. Additionally, it has a Permitted residual ripple of maximum 10%, further enhancing its precision and reliability.

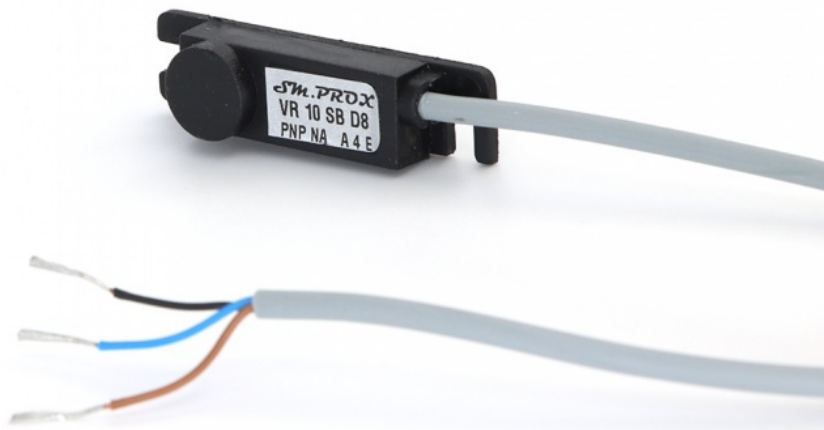
One of the key advantages of this Inductive Sensor is its Built-in Protective circuit. This feature provides added protection against electrical surges and ensures the longevity of the sensor, making it a durable and cost-effective solution for industrial automation systems.

In terms of durability and environmental protection, this Inductive Sensor is rated with a Degree of protection of IP 67 according to IEC 529 standards. This means that the sensor is dust-tight and can withstand immersion in water up to a certain depth, making it suitable for use in challenging industrial environments.

The Housing material of this Inductive Sensor is made of PVDF, a durable and chemically resistant material that ensures the sensor's longevity and reliability even in harsh operating conditions. The PVDF housing also provides excellent mechanical protection, making the sensor suitable for use in demanding industrial applications.

In conclusion, this Rectangular Sensor, which falls under the category of Inductive Sensors, offers high accuracy, reliability, and durability. With its impressive specifications such as low Temperature drift, Built-in Protective circuit, IP 67 Degree of protection, and PVDF Housing material, this sensor is a versatile and reliable solution for industrial automation and sensing applications.

# KRONZ





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**

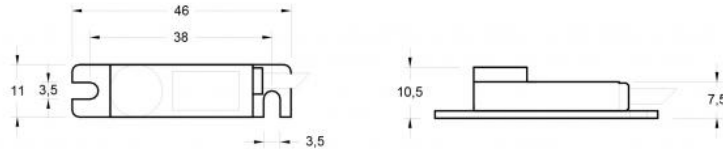
**TYPE - ART. NO.**

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 <sup>2</sup>
Maximum torque Nm	-
Connection diagrams	

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

## Applications:

Designed to meet the needs of modern industrial automation, these sensors are ideal for use in various product application occasions and scenarios:

- Machine Automation:** KRONZ Inductive Sensors, with their NPN sensor technology, are perfect for integration into automated machinery for precise object detection and positioning. Their IP67 sensor rating ensures reliable performance even in harsh industrial environments.
- Material Handling:** These sensors are well-suited for material handling applications, where accurate detection of objects is essential for smooth operation. The NPN sensor technology provides fast and accurate sensing capabilities.
- Automotive Industry:** KRONZ Inductive Sensors are widely used in the automotive industry for tasks such as detecting the presence of metallic components on assembly lines. Their robust construction and high repeat accuracy make them a preferred choice for such applications.
- Packaging Machinery:** With their flush mounting design and 3 Wires DC electrical version, these sensors are perfect for integration into packaging machinery for precise control and monitoring. The sensors' high frequency of operating cycles (Max. 500 Hz) ensures quick response times.
- Temperature-sensitive Environments:** The low temperature drift (<15 %) of KRONZ Inductive Sensors makes them suitable for use in temperature-sensitive environments where consistent performance is crucial.

With CE certification and a minimum order quantity of 1, these sensors are not only high-quality but also easily accessible. The negotiable pricing, polybag packing, and swift delivery time of 5-8 working days make them a convenient choice for businesses of all sizes.

Accepted payment terms include T/T, Western Union, and MoneyGram, providing flexibility to customers. With a supply ability of 100,000 pieces per month, KRONZ Inductive Sensors ensure consistent availability to meet varying demands.

# 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 product technical support and services for Inductive Sensors include: -----

- Installation guidance and support for setting up the sensors
- Troubleshooting assistance for any issues that may arise
- Product training to ensure optimal use and performance



- Warranty coverage and repair services for faulty sensors

## Packing and Shipping:

Product Packaging for Inductive Sensors:

Each inductive sensor is carefully wrapped in protective bubble wrap and placed in a sturdy cardboard box to prevent any damage during shipping.

Shipping Information:

We offer fast and reliable shipping options for our inductive sensors. Orders are typically processed within 1-2 business days and shipped via trusted carriers to ensure safe and timely delivery to your doorstep.

## 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.



**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