



## Slot-Type Photoelectric Sensor NPN BSM-200N IP65 Detected Object 1.2 x 0.8mm Opaque Detection Object

Our Product Introduction

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### Basic Information

- Place of Origin: Guangdong China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BSM-200N
- 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: 10000 pieces per month

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### Product Specification

- Detection Mode: Light ON During Power-on, Light OFF During Detection
- Light Source: GaAs IR LED 940nm
- Response Frequency: 5kHz
- Repeatability: 0.03mm Below
- Residual Voltage: Below 3V (at Load Current 100mA, With 2m Wire Length)
- Connection Method: Connector Type, Customizable Special Drag Chain Cables
- Protection Circuit: Reverse Polarity Protection, Overcurrent Protection, Short-Circuit Protection
- Ambient Temperature: Operating -25~70°C non-condensing, Ice-resistant
- Ambient Humidity: Operating/Storage Humidity: 35~95% RH (non-condensing)
- Vibration Resistance: 10-55Hz With 1.5mm Amplitude, 2 Hours Each In X, Y, And Z Directions

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## Product Description

The BSM-200N is a **slot-type photoelectric sensor** featuring NPN output and IP65 protection rating, designed for precision detection in industrial automation applications. Its U-shaped slot configuration enables reliable detection of object presence, position, and counting functions, meeting the demands of various challenging industrial environments.

### Features:

**Slot-type (U-shaped)** design for precise object detection within the gap .

**NPN output** (open collector) with configurable **NO/NC** (Normally Open/Normally Closed) modes .

**Slot width:** Likely **5-30mm** (exact spec to confirm; comparable to SL-305N's 5mm or SLO30VB6YQ's 30mm ).

**Target size:** Detects objects as small as **1.2×0.8×mm**.

**Response time:** ≤0.3ms (industry standard for high-speed applications ).

**Operating voltage:** **12-24V DC**.

**Output current:** ~100mA (typical for NPN sensors ).

**Protection:** Reverse polarity protection

### Technical Parameters

Detection Mode	Light ON during power-on, Light OFF during detection
Detected Object	1.2 x 0.8mm Opaque Detection Object
Light Source	GaAs IR LED (940nm)
Response Frequency	5kHz
Repeatability	< 0.03mm below
Switching Capacity	0-200mA
Residual Voltage	Below 3V (at load current 100mA, with 2m wire length)
Connection Method	Connector type, customizable special drag chain cables
Operation Mode	Equipped with dual outputs (ON when light is blocked, ON when light is received)
Protection Circuit	Reverse Polarity Protection、Overcurrent Protection、Short-Circuit Protection
Ambient Temperature	Operating: -25~70° C (non-condensing、Ice-resistant)
Ambient Humidity	Operating/Storage Humidity: 35~95% RH (non-condensing)
Temperature Effect	Temperature range: -25 to +70° C; Detection distance variation within ±10% per 20° C change
Voltage Effect	Under rated power supply voltage fluctuation within ±15%, detection distance varies within ±1%.
Insulation Resistance	≥ 50 MΩ (measured at DC 500V megohmmeter) between charging terminal and housing.
Withstand voltage	AC 1000V, 50/60Hz, 1 minute (between charging part and housing)
Vibration Resistance	10-55Hz with 1.5mm amplitude, 2 hours each in X, Y, and Z directions
Shock Resistance	500 m/s <sup>2</sup> shock applied 10 times each in X, Y, and Z directions
Protection Level	IP65
Housing material	PBT

### Product Images

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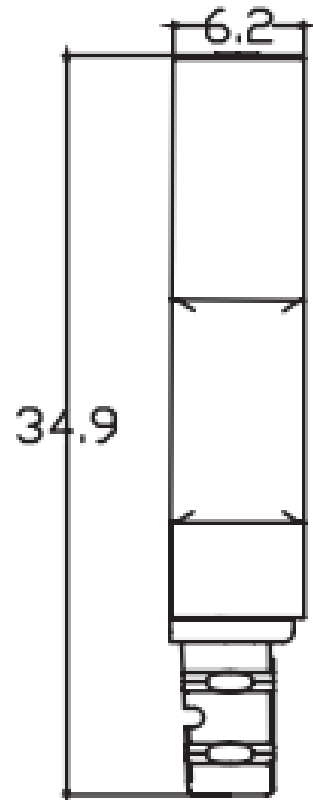
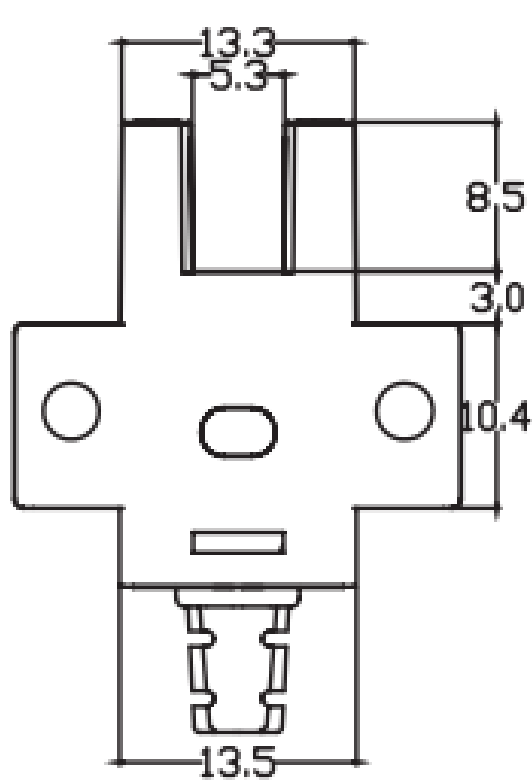


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**Product Dimension Drawing**

# BSM-200



Company Profile

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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





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# 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