



Digital Optical Fiber Sensors NPN/PNP Type Cable M8 Connect Method Intelligent

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BFH-23N
- Minimum Order Quantity: 5 pieces
- Price: Negotiable
- Packaging Details: Paper box packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



Product Specification

- Description: Optical Fiber Sensor\
- Mounting Type: Nut Fixing
- Theory: Red LED
- Output: 12-24V DC
- Model: NPN/PNP Type
- Light Source: Red Light-emitting Diode LED Tube Body
- Output Selection: LIGHT-ON/DARK-ON (switch Selection)
- Power Supply: 12-24VDC \pm 10%, Ripple Voltage (p-p) Max 10%
- Highlight: **PNP Optical Fiber Sensors,
M8 Connect Optical Fiber Sensors,
Optical Fiber Sensors NPN**



Product Description

Optical Fiber Sensors NPN/PNP Type Cable M8 Connect Method Intelligent Digital

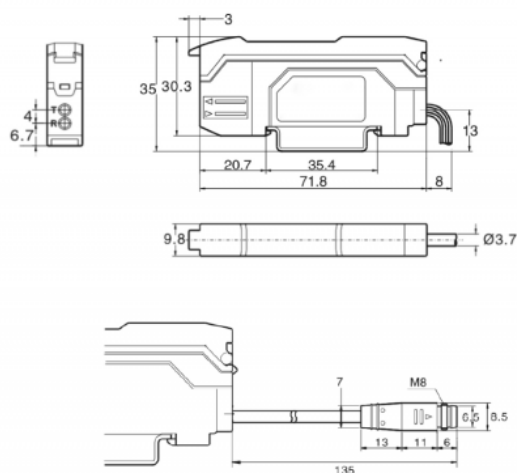
Product Feature:

- ◆ Four modes are provided for flexible selection according to different applications (MEGA/SUPER/ FINE/HIGH SPEED).
- ◆ It can automatically complete the setting of the best brightness and threshold according to various workpiece surfaces.
- ◆ It has strong stability and high response speed (up to 50 μ s at the highest).
- ◆ It has the functions of light intensity self-adaptation, optical power self-compensation, zero point migration, and delay.

Technical Data

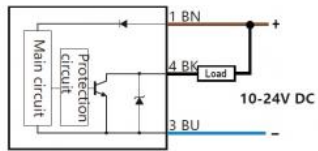
Type		Opening light single-path output	
Model	NPN	BFH-23N	BFH-23NB
	PNP	BGH-23P	BGH-23PB
Connect method		Cable	M8
Light source		Red light-emitting diode LED tube body	
Response time		MEGA: 8ms Opening enhanced anti-light interference response time is 13ms SUPER: 8ms Opening enhanced anti-light interference response time is 1.6ms FINE: 250 μ s Opening enhanced anti-light interference response time is 400 μ s HSP:50 μ s Opening enhanced anti-light interference response time is 200 μ s	
Output selection		LIGHT-ON/DARK-ON (switch selection)	
Delay function		Disconnection delay timer / Activation delay timer / Single-shot timer	
Control Output	NPN	NPN open-collector 24V;output Max:100mA; residual voltage:1V or smaller	
	PNP	PNP open-collector 24V;output Max:100mA; residual voltage:1V or smaller	
Protection circuit		Inverse electrode protection (power supply), over-current protection (output), and over-voltage (output)	
Power supply		12-24VDC \pm 10%,Ripple voltage (p-p) Max 10%	
Power consumption	NPN	Regular:Max 900mW(24V,Max 36mA;12V,Max 48mA) Energy-saving mode: Max 800mW(24V,Max 32mA;12V,Max 39mA) Note: When using the "highspeed" mode, the power consumption will increase by 160mW (7mA).	
	PNP	Regular:Max 950mW(24V,Max 39mA;12V,Max 52mA) Energy-saving mode:Max 850mW(24V,Max 35mA;12V,Max 44mA) Note: When using the "high-speed" mode, the power consumption will increase by160mW(7mA)	
Ambient brightness		Incandescent lamp:Max 20000Lux; Incandescent lamp: Max 30000Lux	
Ambient teperature		-20~+55° C (No freezing)	
Ambient humidity		-35~+85° C(No condensation)	
Vibration resistance		10~55Hz, Composite amplitude 1.5mm,2 hours in each of the X,Y,Z directions	
Impact resistance		500m/s ² , 3 times in each of the X, Y, and Z axis directions	
Shell material		PC	
Size		30.3mm(H)x9.8mm(W)x71.8mm(D)	
Weight		50g	

Dimension

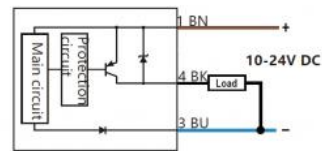


Circuit Diagram

DC NPN output



DC PNP output



M8 Output



- ① 10-30V DC
- ② /
- ③ 0 V
- ④ Switching output

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