ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Bf3rx fiber optic sensor



Overview

When installing the fiber optic cable, refer to the radius of allowable stress for bending written in the catalogue.

Key Takeaways

The BF3RX is a dual-adjustment fiber optic amplifier from Autonics, designed for precise optical sensing applications with NPN output and cable connections.Overview

The BF3RX is a fiber optic sensor amplifier that works with optical fiber units to detect objects or changes in light intensity. It features dual adjustment for sensitivity, allowing fine-tuning for optimal detection performance . The sensor is typically used in industrial automation, machinery monitoring, and other applications requiring precise, non-contact detection.

Key Features
• Output Type: NPN transistor output .

• Connection: Cable connection, typically 2 meters in length .

• Mounting: Can be installed on a DIN rail or panel for secure placement .

• Adjustments: Includes coarse and fine sensitivity adjustments to optimize detection .

• Compatibility: Works with Autonics BF3 series fiber optic units, including emitter and receiver types .

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• Environment: Designed for non-freezing, non-condensing environments; avoid flammable, explosive, or corrosive atmospheres .
Installation and Usage
• Power Off: Always turn off the amplifier before installation or removal .

• Cable Handling: Avoid pulling or bending the fiber optic cable beyond the rated bend radius to prevent optical loss .

• Surface Care: Do not scratch the fiber optic unit surface, as this can reduce sensing accuracy .

• Noise Reduction: Use a condenser between 0V and F.G. terminals to prevent surge and inductive noise .

• Fail-Safe: Install a fail-safe device when using the sensor with machinery to prevent accidents .
Availability

The BF3RX is available through distributors such as Transfer Multisort Elektronik, DigiKey, and NexInstrument, with options for standard and DIN rail-mounted versions like the BF3RX-P . Note that some models may be discontinued, so checking current stock is recommended .

Practical Applications

The BF3RX is ideal for:

• Object detection in automated production lines

• Position sensing in machinery

• Monitoring small or transparent objects where precise optical detection is required
By combining adjustable sensitivity and robust industrial design, the BF3RX provides reliable performance in a variety of automation and sensing applications .

Article Content

BF3RX

※The weight includes packaging. The weight in parenthesis is for unit only.

BF3RX AUTONICS

AUTONICS BF3RX | Sensor: optical fiber amplifier; NPN; Connection: cables; 2m

AUTONICS BF3 SERIES PRODUCT MANUAL Pdf

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View and Download Autonics BF3 Series product manual online. Volume Adjustment Fiber Optic Amplifier.

BF3RX Autonics | Sensor, Transducer Amplifiers

BF3RX - Fiber Amplifier Sensor Amplifier DIN Rail from Autonics. View

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Fiber Optic Sensor: BF3RX

BF3RX, Autonics Fiber Optic Sensor, Best Price in Town, Guaranteed Low Price!

BF3RX-P

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BF3RX BF3RX-P Fiber optic cable model name(All models) BF3

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BF3RX Autonics Photoelectric Sensors, BF3 Series

Fiber optic photoelectric sensors have a short response time and are ideal for average industrial or

BF3RX Autonics Fiber Optic Sensor

BF3RX Autonics Fiber Optic Sensor. Feature. High speed response: Max.1ms. Selectable Light On/Dark

Fiber Optic Sensor

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AUTONICS Fiber Optic Amplifier BF3RX-P,BF3RX, Diffuse

Shree Mahaveer Enterprise - Offering AUTONICS Fiber Optic Amplifier BF3RX-P,BF3RX, Diffuse at ₹ 1500/piece in Ahmedabad,

BF3RX-P Autonics Fiber Optic Sensor

Description BF3RX-P Autonics Fiber Optic Sensor Feature Convenient DIN rail mounting type High speed

Fiber optic sensor+amplifier, non-contact detection of the presence of ...

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□□ □0.1 second ultra-fast sensing! □ □□Fiber optic sensor + amplifier, non-contact detection

Autonics BF3RX-P Amp Built-in Fiber Optic Sensor

Autonics BF3RX-P Fiber Optic Sensor features 12-24VDC supply, Red LED(660nm), PNP output, and 1ms response time for

BF3RX

Dual Adjustment Fiber Optic Amplifiers (Discontinued) Type : Built-in twin volume type Light source : Red LED (660nm) Response

BF3RX

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Sensors: Banner Fiber Optic Amplifiers Principles of Operation

In this video, learn about sensing solutions and fiber optic amplifiers from Banner

Fiber Optic Rotary Joints | High Frequency Slip Rings

Overview MOFLON is a leading rotary joint manufacturer, We provide all kinds of fiber optic, high

BF3RX Autonics Fiber Optic Sensor

Description BF3RX Autonics Fiber Optic Sensor Feature Convenient DIN rail mounting type High speed

Panasonic FX-500 Fiber Optic Sensor w/ built-in Logic Control

The FX-500 is a highly advanced digital fiber sensor with high-end features and class

BF3RX Autonics | Sensor, Transducer Amplifiers | DigiKey Marketplace

Buy now, ships today. BF3RX - Fiber Amplifier Sensor Amplifier DIN Rail from Autonics. View datasheets, pricing and availability

Autonics BF3RX-P Fibre Optic Sensor

Autonics BF3RX-P Fibre Optic Sensor : Amazon : Industrial & Scientific Or fastest delivery Tomorrow, 2 May. Order within 14 hrs

BF3 Series □□$PSO

BF3 Series High Accuracy Fiber Optic Amplifier With Twin Adjuster Features Convenient DIN rail mounting type Response time:

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Digital Fiber Optic Sensor/Amplifier Wiring and Setting

Fiber optic sensor has a digital LED display and 3-wires out lines.Digital fiber optic sensor

autonics BF3RX-P Fiber Optic Sensor Multipurpose Controller

Buy autonics BF3RX-P Fiber Optic Sensor Multipurpose Controller for Rs. online. autonics BF3RX-P Fiber Optic Sensor

BF3RX-P Autonics | Sensor, Transducer Amplifiers | DigiKey

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Fiber Head Installation | FS-N40 Series Fiber Optic Sensor

Learn more via the catalog: to connect your FU Series fiber

Autonics BF3RX-P Fiber Optic Sensors

The BF3 series fiber optic amplifiers come equipped with dual adjusters (COARSE, FINE) for precise sensitivity adjustment. The

Fiber Optic Sensor

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AUTONICS Fiber Optic Amplifier BF3RX-P,BF3RX, Diffuse

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Dual Adjustment Fiber Optic Amplifiers (Discontinued) Type : Built-in twin volume type Light source : Red LED (660nm) Response

Optic Fibre Sensor Autonics BF3RX-P Fibre Optic Sensor

BF3RX-P Optic Fibre Sensor, a cutting-edge solution designed to meet your sensing needs. Here are the key specifications that

Autonics BF3RX-P Fiber Optic Sensor | PNP Output

The Autonics BF3RX-P is a fiber optic amplifier sensor equipped with a PNP open-collector output, designed for accurate and stable

Autonics Fiber Optic Sensor BF3RX Distributor, Dealer ...

Brand / Products - Autonics Fiber Optic Sensor Model - BF3RX Specification - For Input, Output, Power Supply, Dimension please

Autonics BF3RX Fiber Optic Sensor | Amplifier Type

The Autonics BF3RX is a fiber optic amplifier sensor designed for precise and stable detection when used with compatible fiber optic

BF3RX

Dual Adjustment Fiber Optic Amplifiers (Discontinued) Type : Built-in twin volume type Light source : Red LED (660nm) Response

Sensors: Banner Fiber Optic Amplifiers Principles of Operation

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Fiber Optic Rotary Joints | High Frequency Slip Rings

Overview MOFLON is a leading rotary joint manufacturer, We provide all kinds of fiber optic, high-frequency, and waveguide rotary

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BF3RX

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Fiber Optic Sensor: BF3RX

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