

# Parameters of e3x-na11 fiber optic sensor



## AI Overview

The Omron E3X-NA11 is a compact, DIN-rail mountable fiber optic amplifier with NPN output, adjustable sensitivity, and a 0.2 ms response time, designed for versatile object detection applications.

**Key Specifications**

- Sensing Method:** Fiber-optic amplifier using Omron E32-series fiber-optic cables
- Output Type:** NPN transistor output
- Operation Modes:** Light-ON and Dark-ON selectable
- Response Time:** 0.2 milliseconds
- Power Supply:** 12–24 VDC  $\pm 10\%$ , maximum ripple 10% peak-to-peak
- Current Consumption:** Maximum 35 mA
- Housing Material:** PBT (Polybutylene Terephthalate)
- Dimensions:** Width 10 mm, Height 31.5 mm, Length 64.3 mm
- Degree of Protection:** IP50
- Number of Channels:** 1
- Digital Outputs:** 1
- Cable Length:** 2 meters
- Light Type:** Polarity-free red light
- Functions:** Timer function for delayed output
- Application:** Object detection
- Features and Adjustments**
  - Sensitivity Adjustment:** 8-turn sensitivity adjuster with indicator for precise tuning and optical axis alignment
  - LED Indicators:** LED bars display light levels for easy monitoring of sensing conditions
  - Wire-Saving Design:** Supports master/slave connection for up to 16 amplifiers, reducing wiring complexity and installation time
  - Mounting:** DIN-rail mountable; side-mounting possible with brackets and M3 screws
- Compatible Fiber Units**

The E3X-NA11 supports a wide range of Omron E32-series fiber units, including:

  - Through-beam units:** E32-T11L, E32-T12L, E32-T21L, E32-T22L, E32-T17L, E32-TC200 series
  - Reflective units:** E32-D11L, E32-D12, E32-D21L, E32-D22L, E32-DC200 series
  - Heat-resistant units:** E32-D51, E32-D61, E32-D73, E32-R21, E32-L56 series

**Installation Notes**

Mount amplifiers individually on the DIN rail, then align and clip together for multi-unit setups. Optical communication between amplifiers prevents mutual interference, allowing up to 5 fiber heads to be installed closely (except E3X-NA#F models), .Ens...

## Article Content

### OMRON E3X-NA SERIES MANUAL Pdf Download

With a choice of over 80 sensing heads, you are sure to find one that matches your application requirements. Refer to the Appearance Applicable...

### Omron Authentic E3X-NA11 Fiber Optic Sensor Fine-Tuning Amplifier ...

The OMRON E3X-NA11 Fiber Optic Sensor Fine-Tuning Amplifier Photoelectric Switch is the ideal choice for applications where accuracy, reliability, and performance are paramount. Elevate your

### E3X-NA11 Datasheet | Omron

Download E3X-NA11 Omron datasheet PDF, view technical specifications, and find pricing information.

### E3X-NA11 2M | Omron Plastic Fibre Optic Sensor, NPN

Buy Omron Plastic Fibre Optic Sensor, NPN Output, IP50 250V E3X-NA11 2M or other Fibre Optic Sensors online from RS for next day delivery on your order plus

### E3X-NA11

- GIGA RAY for the highest level of power in this class for stable detection even with sensing objects with low reflection or large sensing objects. \*Excluding E3X-NA @@V Amplifiers.

### User-Friendly Fiber-Optic Amplifier E3X-NA

Streamlined features provide basic sensing immediately after plug-in Wire-saving amplifiers reduce installation time and minimize space requirements Master/slave connector design affords

### E3X-NA11 | Omron

If you own this product and need technical support, visit our support page to

### OMRON E3X-NA11 INSTRUCTION MANUAL Pdf

What types of fiber optic sensors can be connected to the Omron E3X-NA11? The Omron E3X-NA amplifiers are designed to use Omron's E32-series fiber-optic

### CSM\_E3X-NA\_DS\_E\_2\_2

Simple and Easy-to-Use Amplifiers with a Sensitivity Adjuster Provided as a Standard Feature Intuitive LED bar display shows light levels at a glance. Utilizes OMRON's innovative wire-saving connector.

### OMRON E3X-NA11 Fiber Optic Sensors | WESCO

Photoelectric Sensors (Fiber Optic, Block Style): Type - Photoelectric Plastic Fiber; Voltage - 12-24V DC; Output Mode - Light/Dark Selectable; Output Configuration - NPN; Connection Type - Cable, 2 m

E3X-NA11 Fiber Amplifier Sensor - QYSMT

Omron E3X-NA11 Fiber Amplifier Omron Fiber Optic Amplifier E3X-NA11 Sensor Fiber Amplifier Photoelectric Sensor with Potentiometer, NPN output, Selectable

E3X-NA11F 2M | Omron

Image is representative of product. May not be exact SKU. Super high speed, 20-30  $\mu$ s max. Please fill out the form below to: If you own this product and need technical support, visit our support page to

[datasheet.book](#)

The Sensor is ready to operate within 100 ms after the power supply is turned ON. If the Sensor and load are connected to power supplies separately, be sure to turn ON the power supply to the Sensor

E3X-NA11 2M OMS | OMRON, Europe

E3X-NA11 2M OMS Fiber amplifier with potentiometer, IP50, NPN, 2m cable

Omron E3X-NA11 2M Manual Fiber Optic Sensor Amplifier NPN

Fiber optic sensor amplifier featuring a 200 $\mu$ s response time and NPN open collector output. Includes an 8-level LED bar graph for light intensity and a 2m pre-wired cable.

E3X-NA | OMRON, Europe

E3X-NA Digital fiber amplifier with potentiometer adjustment The E3X-NA is the ideal amplifier for standard fiber applications providing quick & easy

E3X-NA Standard Digital Fiber Amplifier

The E3X-NA is the ideal amplifier for standard fiber applications providing quick & easy potentiometer adjustment and a bar graph display. Simple

E3X-NA11 | Omron

Omron Automation Products Sensing Fiber Optic Sensors and Amplifiers E3X-NA E3X-NA11 Fiber Optic Sensors and Amplifiers E3X-NA11 Datasheet CAD Download Export Information Product Support

E3X-NA11 by Omron | Photoelectric Sensors | Arrow

Buy E3X-NA11 with extended same day shipping times. View datasheets, stock and pricing, or find other Photoelectric Sensors.

OMRON Fiber Optical Sensor Amplifier E3X-NA11 2M - Reliable and

The E3X-NA11 amplifier works with a variety of fiber optic sensors, and its detection range depends on the specific sensor used in conjunction with it. For optimal performance, it's best to refer to the

[E3X-NA Datasheet](#)

In addition to the operation indicator (orange), E3X-NA has indicators that denote the incident level (4 green and 1 red indicators). Use them for optical axis adjustment and maintenance.

**OMRON E3X-NA11 Fiber Sensor – 100mm Sensing Range, IP65**

**Product Overview** The OMRON E3X-NA11 Fiber Sensor is a cutting-edge optical sensor designed to provide precise, reliable, and fast non-contact detection in a wide array of industrial applications.

**E3X-NA11 2M | Omron Plastic Fibre Optic Sensor, NPN Output, IP50**

Buy Omron Plastic Fibre Optic Sensor, NPN Output, IP50 250V E3X-NA11 2M. Browse our latest Fibre Optic Sensors offers. Free Next Day Delivery available.

**Omron Automation E3X-NA11 Simple Fiber Amplifier,**

**Features:** Streamlined Features Provide Basic Sensing Immediately After Plug-In Wire-Saving Amplifiers Reduce Installation Time and Minimize Space

[E3X-NA Datasheet](#)

E3X-A11 (previous model) 7 times E3X-NA Minimum detection object: 2.0 mm dia. 0.3 mm dia. Addition of high-speed type and waterproof type to the series Optical Communications to Prevent Mutual

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://energy-powertools.eu>

Email: [info@energy-powertools.eu](mailto:info@energy-powertools.eu)

Phone: +49 172 6389472

Address: Musterstraße 12, 10115 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

