

installation when starting production.

Fiber Amplifier Units with easy optimum setting

Stable

Fiber Units

E32

06
Page

“Expanded Application Response Capabilities”

Improved Basic Performance

Improvements in the sensing distance and minimum sensing object increase the range of application for stable detection.

1.5 Times
the Sensing Distance*

6 m

For E32-LT11 Fiber Unit with a
fiber length of 3.5 m

1/10th
the Minimum Sensing Object*

0.3 μm dia.

Typical example of actual measurements
with E32-D11R Fiber Unit.

*Compared to E3X-HD.

NEW

Sensor Communications Units

E3NW

EtherCAT

CompoNet

CC-Link V2

62, 64
Page

Sensor

Minimal Cost Process.

Basic Features of Fiber Sensors

**Ideal for narrow spaces
or for detecting minute
objects.**



**Digital display achieves visual
control and quantitative control.**

Conventional Photoelectric Sensor with Built-in Amplifier

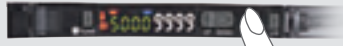
Set the threshold by a sensitivity
adjuster / Check the operation by
an indicator.



- Ambiguous standard
(e.g., 3/4 turn of adjuster)
- Indicator does not show the present value.

Fiber Sensor

Quantitative control over threshold settings
with a digital display.



- The reference value can be set numerically for
easier specification.
- Easily perceivable present value.

Selection by **Category****STEP 1**

Select a Fiber Unit.

Select a category.

Fiber Unit Index

05
Page

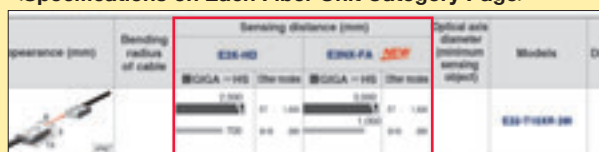
Select a model.

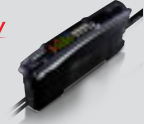
Category Pages

06 to 61
Page**STEP 2**Select a Fiber
Amplifier Unit and
Communications
Unit.62
Page**STEP 3**Select Accessories
of Fiber Amplifier
Unit65,79
Page**Before Selecting Fiber Units**

The Fiber Units specifications give the sensing distance when the Fiber Unit and Fiber Amplifier Unit is combined. Check the Fiber Amplifier Unit series for easier selection.

<Specifications on Each Fiber Unit Category Page>

**Fiber Amplifier Unit Series**

			E3X-HD Series	E3NX-FA Series NEW
				
Fiber Amplifier Unit specifications	Output		1 output	1 or 2 outputs (depending on the model)
	External input		Not supported	Supported or not supported (depending on the model)
	Response time		50 μs (55 μs)/250 μs/1 ms/16 ms (Default: 250 μs)	30 μs (32 μs)/250 μs/1 ms/16 ms (Default: 250 μs)
	Sensing distance (Giga-power mode)	E32-T11R	2,000 mm	3,000 mm
		E32-D11R	840 mm	1,260 mm
	Minimum sensing object	E32-T11R	5 μm dia.	2 μm dia.
Sensor Communications Unit application	Communications method (Sensor Communications Unit model)		EtherCAT (E3X-ECT) CompoNet (E3X-CRT)	EtherCAT (E3NW-ECT) CompoNet (E3NW-CRT) CC-Link (E3NW-CCL)
	Applicable Sensors		Fiber Sensor (E3X-HD0) Fiber Sensor (E3X-MDA0) Laser Photoelectric Sensor (E3C-LDA0) Proximity Sensor (E2C-EDA0)	Fiber Sensor (E3NX-FA0) Laser Sensors (E3NC-LA0, E3NC-SA0) Contact-Type Sensor (E9NC-TA0)*
Page listings	Ordering Information		78 Page	64 Page
	Ratings and Specifications		80 Page	66 Page
	Dimensions		80 Page	68 Page

* E3NW-CRT Sensor Communications Units (CompoNet) cannot be used.

Selection by **Model****STEP 1**

Search for the page
in the model index.

98
Page**STEP 2**

Search for the model
on the corresponding
pages.

Each
Page