

# Smart Fiber Amplifier Units

# E3NX-MA



## 2-channel Amplifier reduces installation space by half. Downsized Equipment and Control Panels

- The new 2-ch fiber amplifier unit has two-unit functions in the dimensions of the general one-unit, contributing to downsizing your equipment and control panels.
- Performance with highly stable detection even with two channels, from transparent objects to low-reflective workpieces.
- Easy to set the light intensity and threshold automatically.
- Wire-saving Connector models reduce wiring work.






 Refer to the *Safety Precautions* on page 10.

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

## Ordering Information

### Fiber Amplifier Units (Dimensions → pages 12 and 13)

Type	Connecting method	Appearance	Inputs/outputs	Model	
				NPN output	PNP output
2-channel models *2	Pre-wired (2 m)		2 outputs	<b>E3NX-MA11</b>	<b>E3NX-MA41</b>
			2 outputs	<b>E3NX-MA6</b>	<b>E3NX-MA8</b>
	Model for Sensor Communications Unit *1	Connector for Sensor Communications Unit		---	<b>E3NX-MA0</b>



\*1. A Sensor Communications Unit is required if you want to use the Fiber Amplifier Unit on a network.

\*2. Two Fiber Units can be connected to one Fiber Amplifier Unit.

## Accessories (Sold Separately)

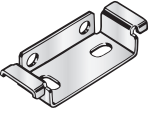
**Wire-saving Connectors (Required for models for Wire-saving Connectors.) (Dimensions → page 13)**

Connectors are not provided with the Fiber Amplifier Unit and must be ordered separately. \*Protective stickers are provided.

Type	Appearance	Cable length	No. of conductors	Model	Applicable Fiber Amplifier Units
Master Connector		2 m	4	E3X-CN21	E3NX-MA6 E3NX-MA8
Slave Connector			2	E3X-CN22	

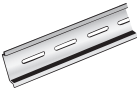
**Mounting Bracket (Dimensions → page 14)**

A Mounting Bracket is not provided with the Fiber Amplifier Unit. It must be ordered separately as required.

Appearance	Model	Quantity
	E39-L143	1


**DIN Track (Dimensions → page 14)**

A DIN Track is not provided with the Fiber Amplifier Unit. It must be ordered separately as required.

Appearance	Type	Model	Quantity
	Shallow type, total length: 1 m	PFP-100N	1
	Shallow type, total length: 0.5 m	PFP-50N	
	Deep type, total length: 1 m	PFP-100N2	




**End Plate (Dimensions → page 14)**

Two End Plates are provided with the Sensor Communications Unit. End Plates are not provided with the Fiber Amplifier Unit. They must be ordered separately as required.

Appearance	Model	Quantity
	PFP-M	1

## Related Products

### Sensor Communications Units

Type	Appearance	Model
Sensor Communications Unit for EtherCAT		E3NW-ECT
Sensor Communications Unit for CC-Link		E3NW-CCL
Distributed Sensor Unit *		E3NW-DS

Refer to your OMRON website for details.

\* The Distributed Sensor Unit can be connected to any of the Sensor Communications Units.

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