Simple Fiber Amplifier Unit

E3X-SD/-NA

Simple and Affordable Fiber Amplifier Units

- **Reasonable price.**
- **Use the one-key one-function feature for quick, easy operation.**
- **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.

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

Ordering Information

Fiber Amplifier Units [Refer to *Dimensions* on page *11*.]

Digital Display and Direct Key Setting

Item	Appearance	Connection method	Ratings and Specifications	Model	
				NPN output	PNP output
Standard models		Pre-wired (2 m)	---	**E3X-SD21 2M**	**E3X-SD51 2M**
		Wire-saving connector *		**E3X-SD7**	**E3X-SD9**

*An Amplifier Unit Connector (sold separately) is required.

Bar Display and Adjuster Setting

Item	Appearance	Connection method	Ratings and Specifications	Model	
				NPN output	PNP output
Standard models		Pre-wired (2 m)	---	**E3X-NA11 2M**	**E3X-NA41 2M**
		Wire-saving connector *1		**E3X-NA6**	**E3X-NA8**
High-speed detection models		Pre-wired (2 m)	Response time: 20 µs	**E3X-NA11F 2M**	**E3X-NA41F 2M**
Water-resistant models		Pre-wired (2 m)	Degree of protection: IP66	**E3X-NA11V 2M**	**E3X-NA41V 2M**
		Connector (M8) *2		**E3X-NA14V**	**E3X-NA44V**

*1. An Amplifier Unit Connector (sold separately) is required.
*2. A Sensor I/O Connector (sold separately) is required.

Accessories (sold separately)

Amplifier Unit Connectors (Required for models for Wire-saving Connectors.)

Note: Protective seals provided. [Refer to *Dimensions* on page *15*.]

Item	Appearance	Cable length	No. of conductors	Model
Master Connector		2 m	3	**E3X-CN11**
Slave Connector			1	**E3X-CN12**

Ordering Precautions for Amplifier Units Connectors

A Connector is not provided with the Amplifier Unit. Refer to the tables at the right when placing an order.

Fiber Amplifier Units		
Type	**NPN**	**PNP**
Standard models	E3X-SD7	E3X-SD9
	E3X-NA6	E3X-NA8

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Applicable Connectors (sold separately)	
Master Connector	**Slave Connector**
E3X-CN11 (3-wire)	E3X-CN12 (1-wire)

When Using 5 Amplifier Units

5 Fiber Amplifier Units	+	1 Master Connector + 4 Slave Connectors

Sensor I/O Connectors (Required for models with M8 Connectors.)

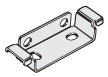
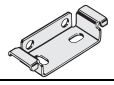
[Refer to *Dimensions* on *XS3*.]

Size	Cable specifications	Appearance	Cable type		Model
M8	Standard cable	Straight connector	2 m	Four-conductor cable	**XS3F-M421-402-A**
			5 m		**XS3F-M421-405-A**
		L-shaped connector	2 m		**XS3F-M422-402-A**
			5 m		**XS3F-M422-405-A**

Mounting Brackets

A Mounting Bracket is not provided with the Fiber Amplifier Unit. Order a Mounting Bracket separately if required.

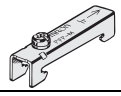
[Refer to *Dimensions* on page *15*.]

Appearance	Applicable models	Model	Quantity
	E3X-SD□ E3X-NA□ E3X-NA□F	**E39-L143**	1
	E3X-NA□V	**E39-L148**	

End Plate

End Plates are not provided with the Fiber Amplifier Unit. Order End Plates separately if required.

[Refer to *Dimensions* on page *15*.]

Appearance	Model	Quantity
	**PFP-M**	1