Amplifier Units: E3NC-S Ultra-compact CMOS Laser Sensor Series (Dimensions ➜ page 19)

Connecting method	Appearance	Inputs/outputs	Model	
			NPN output	PNP output
Pre-wired (2 m)		2 outputs + 1 input	**E3NC-SA21 2M**	**E3NC-SA51 2M**
Wire-saving Connector		1 output + 1 input	**E3NC-SA7**	**E3NC-SA9**
M8 Connector		1 output + 1 input	**E3NC-SA24**	**E3NC-SA54**
Connector for Sensor Communications Unit *		---	**E3NC-SA0**	

* A Sensor Communications Unit is required if you want to use the Amplifier Unit on a network.
Note: Only an E3NC-SH□□ or E3NC-SH□□H Sensor Head can be connected.

Accessories (Sold Separately)

Sensor Head Accessories

Reflectors (Required for Retro-reflective Sensors) (Dimensions ➜ page 21)

A Reflector is not provided with the Sensor Head. It must be ordered separately.

Applicable Sensor Head	Appearance	Model	Quantity
E3NC-LH03		**E39-R21**	1
		E39-R22	
		E39-RS10	
		E39-RS11	

Note: Refer to the *Safety Precautions* on page 14 for how to attach the reflector.

Lens Attachments for Sensor Heads (Dimensions ➜ page 21)

A Lens Attachment is not provided with the Sensor Head. It must be ordered separately as required.

Applicable Sensor Head	Appearance	Model	Quantity
E3NC-LH03		**E39-P51**	1
E3NC-LH02		**E39-P52**	

Note: You can combine the Lens Attachment with an applicable Sensor Head to create a line beam.

Sensor Head Mounting Brackets (Dimensions ➜ page 22)

A Mounting Bracket is not provided with the Sensor Head. It must be ordered separately as required.

Applicable Sensor Head	Appearance	Model	Quantity	Contents
E3NC-LH03		**E39-L190**	1	Mounting Bracket: 1 Nut plate: 1 Phillips screws (M3×18): 2
E3NC-LH02		**E39-L185**		
E3NC-LH01		**E39-L186**		
E3NC-SH250H E3NC-SH250 E3NC-SH100		**E39-L187**		
		E39-L188		

Amplifier Unit Accessories

Wire-saving Connectors (Required for models for Wire-saving Connectors.) (Dimensions ➜ page 26)

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

Type	Appearance	Cable length	No. of conductors	Model
Master Connector		2 m	4	**E3X-CN21**
Slave Connector			2	**E3X-CN22**

Sensor I/O Connectors (Required for models for M8 Connectors.) (Dimensions ➜ page 26)

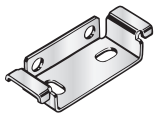
Connectors are not provided with the Amplifier Unit and must be ordered separately.

Size	Cable	Appearance	Cable type		Model
M8	Standard cable	Straight	2 m	4-wire	**XS3F-M421-402-A**
			5 m		**XS3F-M421-405-A**
		L-shaped	2 m		**XS3F-M422-402-A**
			5 m		**XS3F-M422-405-A**

Note: For details, refer to XS3 which can be accessed from your OMRON website.

Amplifier Unit Mounting Bracket (Dimensions ➜ page 27)

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

Appearance	Model	Quantity
	**E39-L143**	1

Note: For details, refer to Mounting Brackets on E39-L/E39-S/E39-R which can be accessed from your OMRON website.

DIN Track (Dimensions ➜ page 27)

A DIN Track is not provided with the 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: 0.5m	**PFP-50N**	
	Deep type, total length: 1 m	**PFP-100N2**	

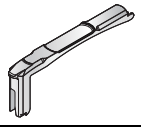
End Plate (Dimensions ➜ page 27)

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

Appearance	Model	Quantity
	PFP-M	1

Cover

Attach these Covers to Amplifier Units.
Order a Cover when required, e.g., if you lose the covers.

Appearance	Model	Quantity
	**E39-G24 FOR E3NC-LA**	1
	E39-G21 FOR E3NC-SA	

Related Products

Sensor Communications Units

Type	Appearance	Model
Sensor Communications Unit for EtherCAT		**E3NW-ECT**
Sensor Communications Unit for CompoNet		**E3NW-CRT**
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.

EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.
CompoNet is a registered trademark of the ODVA.
CC-Link is a registered trademark of Mitsubishi Electric Corporation. The trademark is managed by the CC-Link Partner Association.