



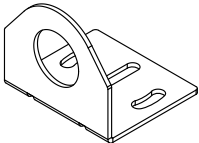

**Reflectors** [Refer to Dimensions on page 19.]

Reflectors required for Retro-reflective Sensors: A Reflector is not provided with the Sensor. Be sure to order a Reflector separately.

Sensor	Sensing distance	Appearance	Model	Quantity	Remarks
E3FA-R□1	0.1 to 4 m		<b>E39-R1S</b>	1	for E3FA-R□ and E3RA-R□
E3FA-R□2	0 to 500 mm				
E3FA-B□1	100 to 500 mm		<b>E39-RP1</b>	1	for E3FA-B□
E3FA-B□2	0.1 to 2 m				



**Mounting brackets** [Refer to Dimensions on page 19.]

A Mounting Bracket is not included with the Sensor. Order a Mounting Bracket separately if required.

Sensor	Appearance	Model (Material)	Quantity	Remarks
all types		<b>E39-L183</b> (SUS304)	1	Mounting bracket
		<b>E39-L182</b> (POM)	1	Flush mounting bracket

**Sensor I/O connectors**

Models for Connectors: A Connector is not provided with the Sensor. Be sure to order a Connector separately.

Sensor	Size	Cable	Appearance	Cable type	Model
M12 connector types	M12	Standard	Straight 	2 m	<b>XS2F-M12PVC4S2M</b>
				5 m	<b>XS2F-M12PVC4S5M</b>
			Angle 	2 m	<b>XS2F-M12PVC4A2M</b>
				5 m	<b>XS2F-M12PVC4A5M</b>

**Model Number Legend**

**E3**□-□□□□-(□)□  
 1 2 3 4 5 6 7

**1. Series name**

FA: Cylindrical, Straight type, Plastic body  
 RA: Cylindrical, Radial type, Plastic body

**2. Sensing method**

T: Through-beam  
 R: Retro-reflective  
 D: Diffuse-reflective  
 L: Background suppression  
 V: Limited distance reflective  
 B: Transparent detection with P-opaquing function

**3. Output**

P: PNP  
 N: NPN

**4. Connection**

1: Cable  
 2: Connector, M12, 4-pin

**5. Sensing distance**

Sequential number

**6. Emitter/Receiver**

D: Receiver  
 L: Emitter

**7. Cable length**

Blank: Connector type

**e.g., E3FA-TP11 2M;**

Cylindrical, Straight type, Plastic body/ Through-beam/ PNP/  
 Cable/ Sensing distance/ Cable length of 2M

**E3RA-TN12-D;**

Cylindrical, Radial type, Plastic body/ Through-beam/ NPN/  
 Connector, M12, 4-pin/ Sensing distance/  
 Receiver/ Connector type

**E3FA-VP12;**

Cylindrical, Straight type, Plastic body/ Limited distance  
 reflective/ PNP/ Connector, M12, 4-pin/ Sensing distance/  
 Connector type