

OMRON

Product Discontinuation Notices

April 1, 2010

Photoelectric Sensors

No. 2010116E

Discontinuation Notice of photoelectric Sensor E3C-L11M series

Product Discontinuation

Recommended Replacement



E3C-L11M series



E32-09 series + E3X-DA21-S series

Discontinuation date: The end of March, 2011

Caution on recommended replacement

- When changed to a fiber type photoelectric sensor from a mold release photoelectric sensor for an amplifier. Therefore it is necessary to have you replace an amplifier and a sensor with a set. (The amplifier E3C-JC4P series is not production cancellation)
- 2) When Installation pace of the sensor part and shape change. Please refer to a figure of external form dimensions for the details.
- 3) When Rating of the output remaining voltage is changed below 2V from less than 1V.

Difference from discontinued product

Model	Body Color	Dimen sions	Wire connection	Mounting Dimensions	Charact eristics	Operation ratings	Operation methods
E32-09 series							
+			*		*	*	
E3X-DA21-S series							

- ** : Fully compatible
- * : The change is a little/Almost compatible
- -- : Not compatible
- : No corresponding specification

Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
E3C-L11M series	Fiber Head : E32-A09 series
	+
	Amplifier : E3X-DA21-S series

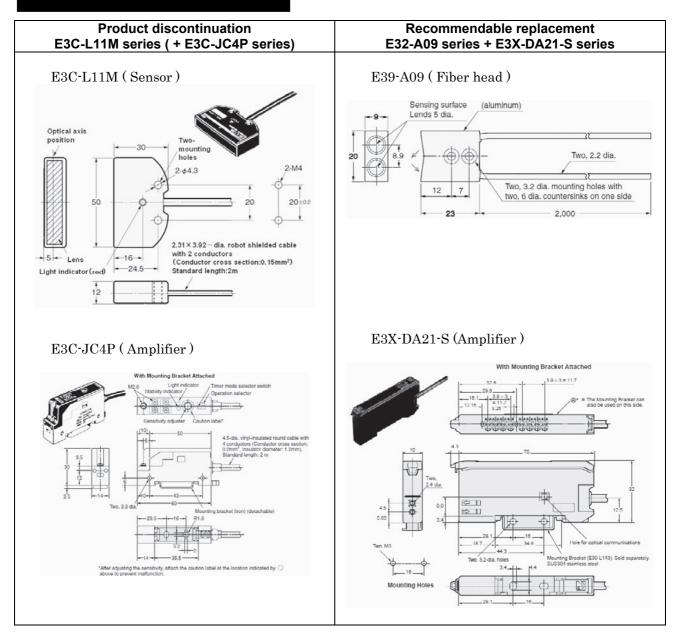
OMRON Corporation Industrial Automation Company

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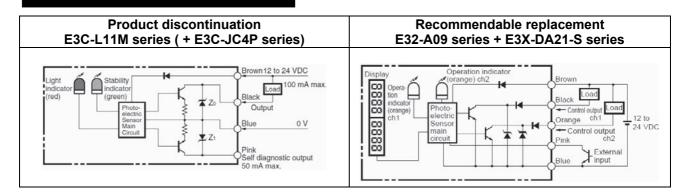
Body color

item	Product disc E3C-L11M series (+		Recommendable replacement E32-A09 series (+ E3X-DA21-S series)		
	Sensor	Amplifier	Fiber head	Amplifier	
Color	Black	Gray	Silver	Black	

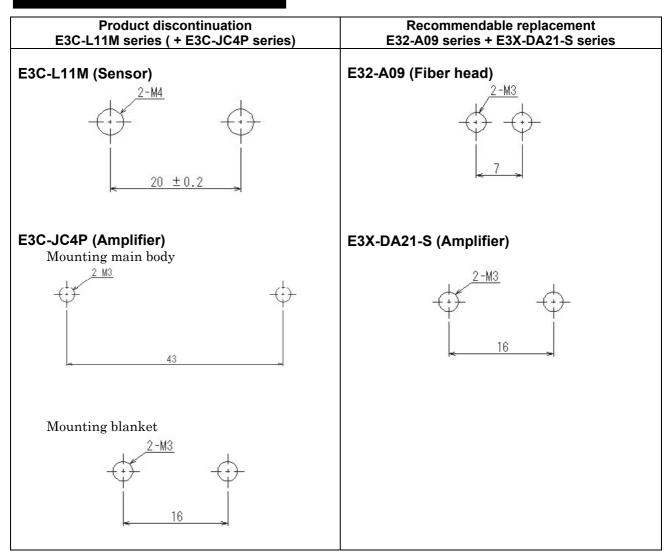
Dimensions



Wire connection



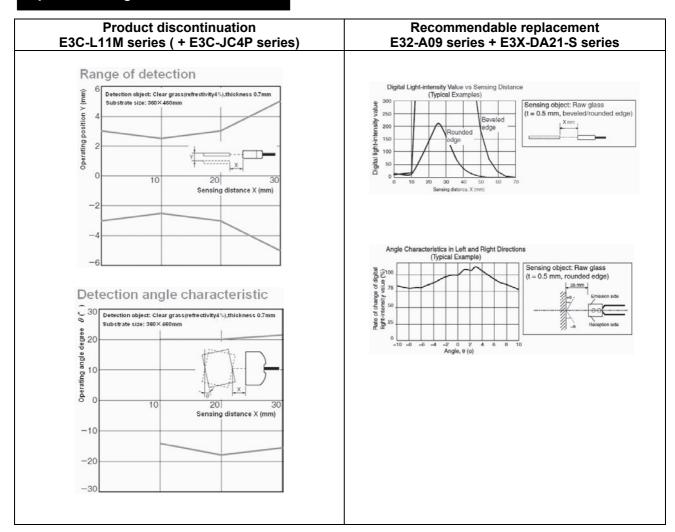
Mounting dimensions



Characteristics

Item Model	Product discontinuation E3C-L11M series (+ E3C-JC4P series)	Recommendable replacement E32-A09 series + E3X-DA21-S series
Sensing distance	20±10mm	15 to 38 (center25)
Power supply voltage	DC12 to 24V±10% ripple (p-p)10%max	DC12 to 24V±10% ripple (p-p)1Vmax
Light source (wavelength)	Infrared rays light emitting diode (860nm)	Red light emitting diode (625nm)
Power consumption Current consumption	50mA max	960mW max (current consumption : 40mA max. at power supply voltage of 24VDC)
Control output	Load power supply voltage : 24VDC max Load current : 100mA max NPN open collector output type (residual volt-age : 1V max.) Light-ON/Dark-ON switch selectable	Load power supply voltage : 26.4VDC NPN/PNP open collector load current : 50mA max residual voltage : 2V max
Response time	Operate or reset : 1ms max	Super-high-speed mode: Operate/reset: 80µs high-speed mode: Operate/reset: 250µs Standard mode: Operate/reset: 1ms High-resolution mode: Operate/reset: 4ms
Timer function	OFF-delay 0/40ms(switch selectable)	Select from OFF-delay, ON-delay, or one shot timer. 1ms to 5s (1 to 20 ms set in 1-ms increments, 20 to 200 ms set in 10-ms increments, 200ms to 1 s set in 100-ms increments, and 1to 5 s set in 1s-increment)
Degree of protection	Sensor : IP50 Amplifier : IP60	Fiber head : IP40 Amplifier : IP50

Operation ratings



Operation methods

Product discontinuation E3C-L11M series (+ E3C-JC4P series)	Recommendable replacement E32-A09 series + E3X-DA21-S series
Sensitivity adjustment: It adjusts it by the sensitivity volume. Optical axis adjustment: It was necessary to move the sensor up and down and right and left, to set for an insertion	Sensitivity adjustment: Teaching method Operation with push-button.
optical pilot light to light, and to install it.	