

Discontinuation Notice of Digital Fiber Amplifier Units of E3X-SD Series.

Product Discontinuation

Digital Fiber Amplifier Units



Model E3X-SD7
Model E3X-SD9
Model E3X-SD21 2M
Model E3X-SD51 2M



Recommended Replacement

Digital Fiber Amplifier Units

Model E3X-ZV6
Model E3X-ZV8
Model E3X-ZV11 2M
Model E3X-ZV41 2M

[Final order entry date]

The end of December, 2023

[Date of The Last Shipping]

The end of January, 2024

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
E3X-ZV Series	**	*	**	**	**	**	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

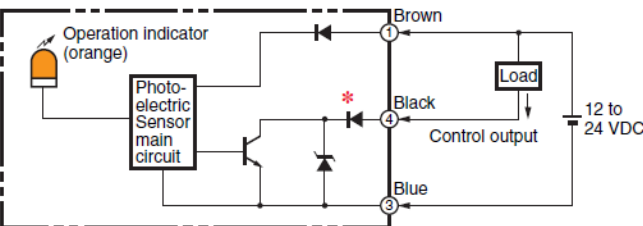
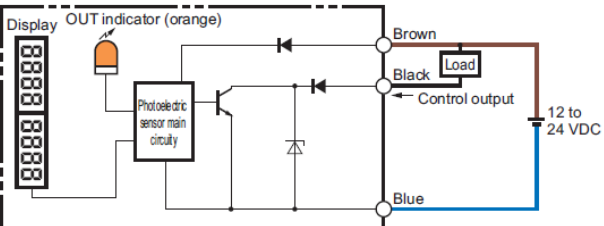
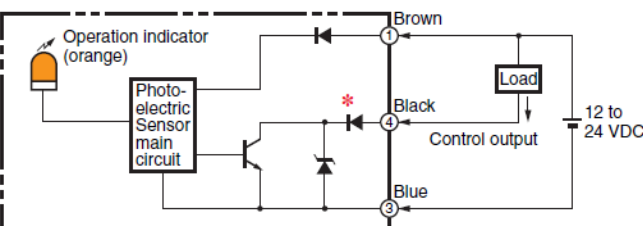
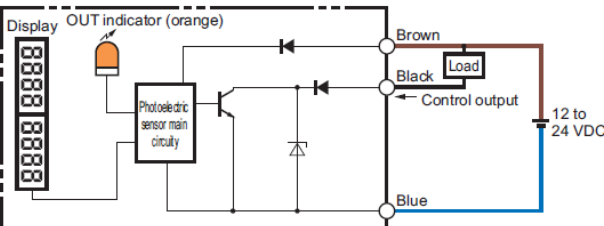
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
E3X-SD7	E3X-ZV6
E3X-SD9	E3X-ZV8
E3X-SD21 2M	E3X-ZV11 2M
E3X-SD51 2M	E3X-ZV41 2M

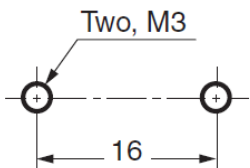
[Body color]

Product discontinuation Model E3X-SD Series	Recommendable replacement Model E3X-ZV Series
Body 	
Operation panel  Single display: red	 Double display: red + green

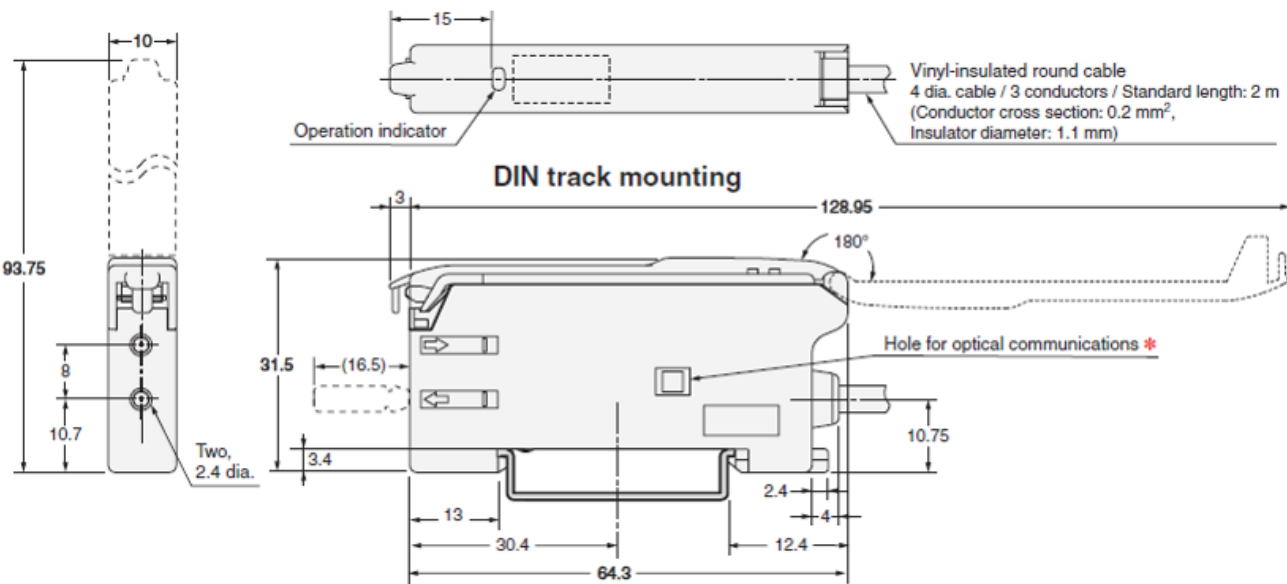
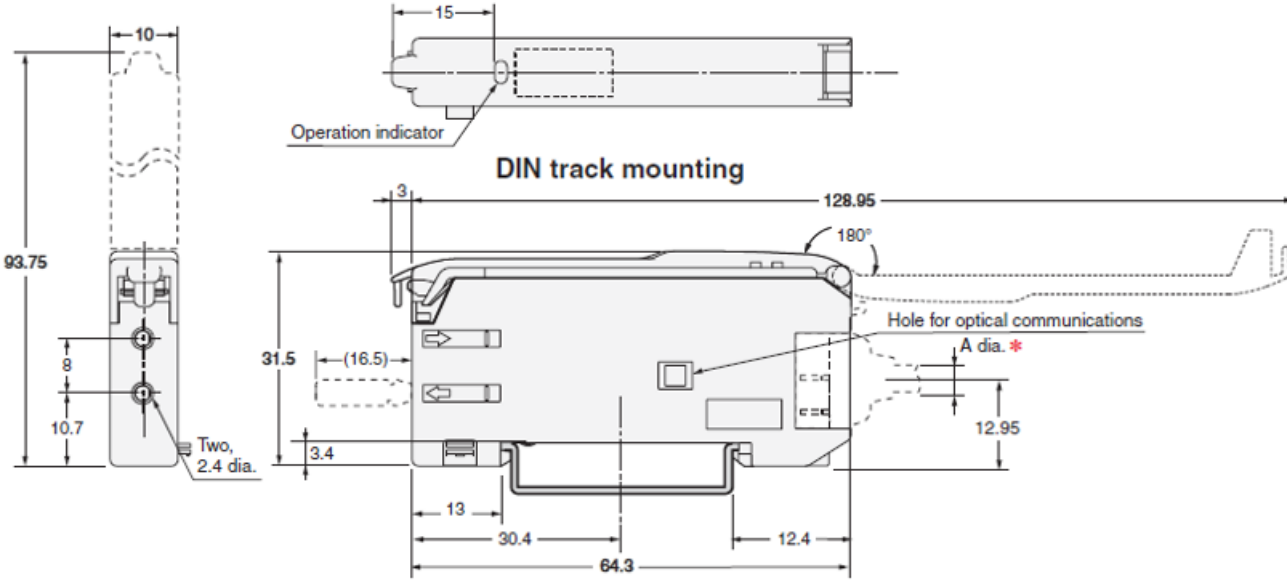
[Wire connection]

Product discontinuation Model E3X-SD Series	Recommendable replacement Model E3X-ZV Series
NPN Type E3X-SD21/7 	NPN Type E3X-ZV11/6 
PNP Type E3X-SD51/9 	PNP Type E3X-ZV41/8 

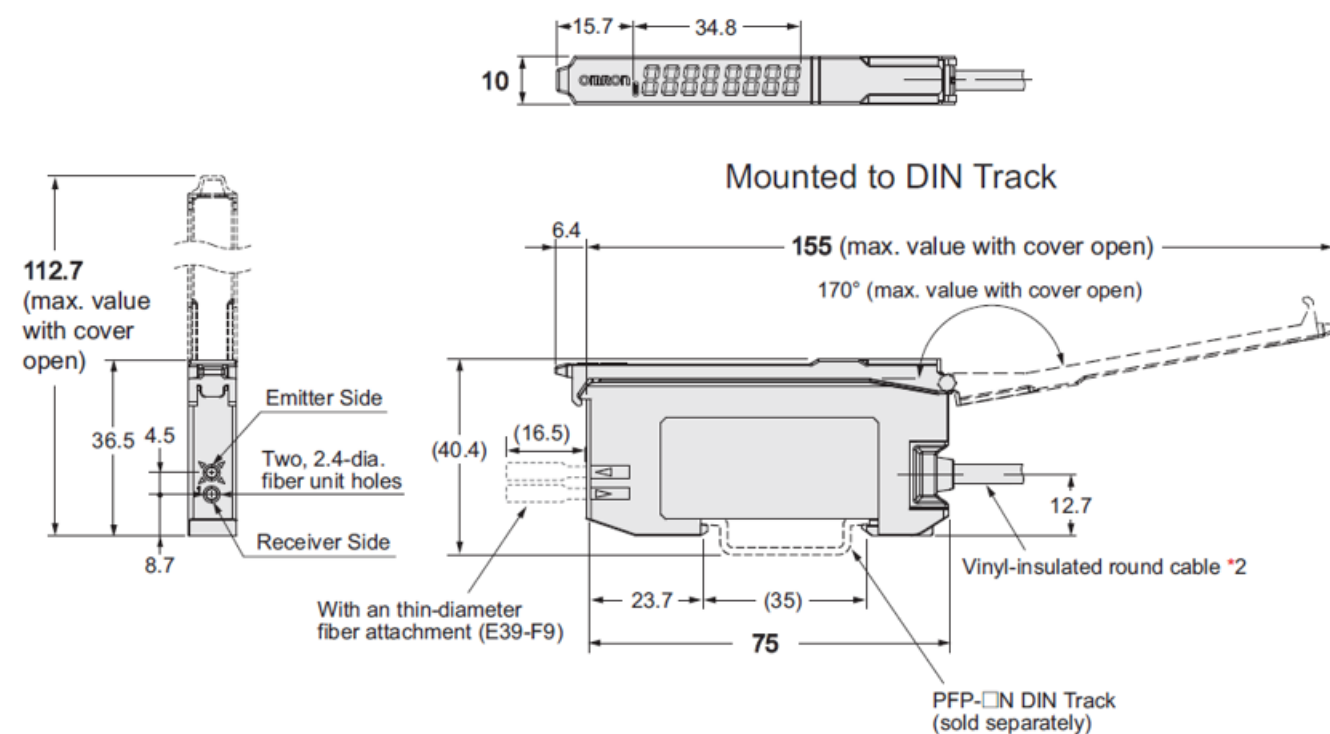
[Mounting dimensions]

Product discontinuation Model E3X-SD Series		Recommendable replacement Model E3X-ZV Series
Mounting Holes  Two, M3 16		

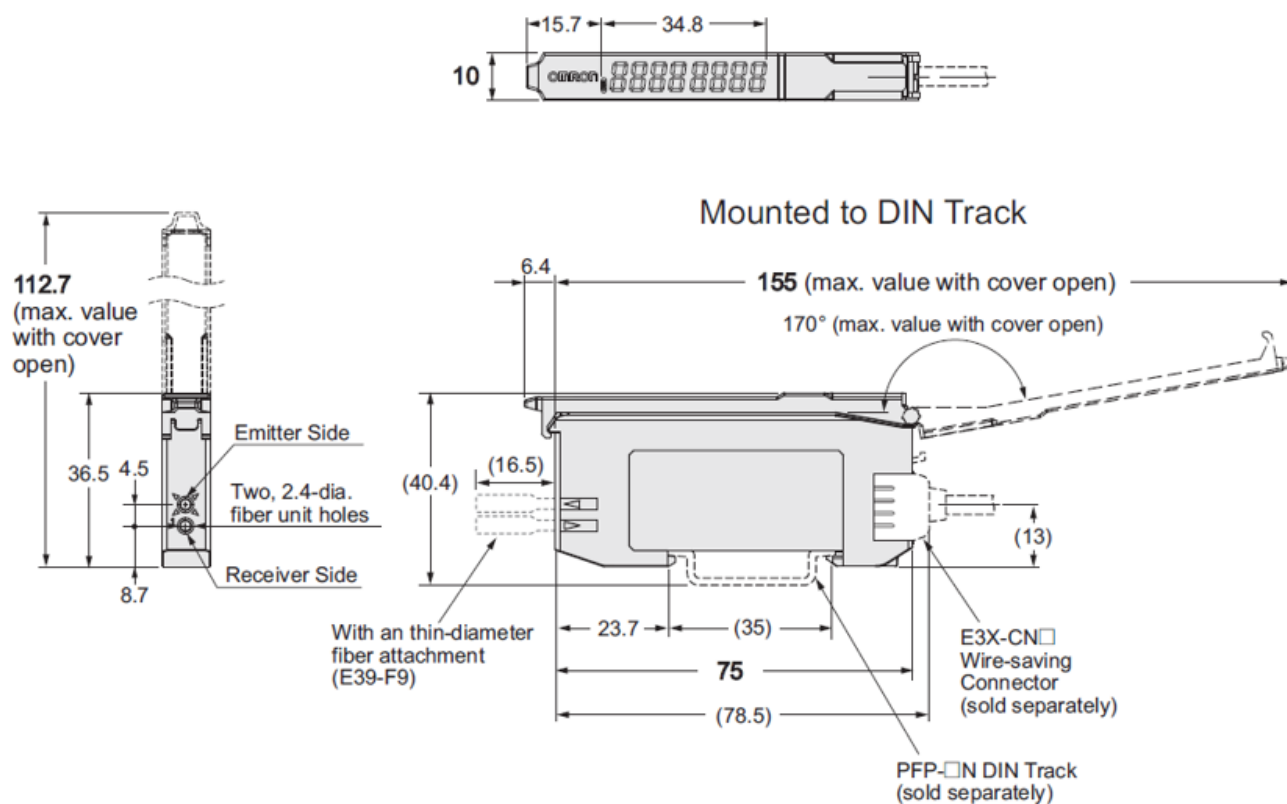
[Dimensions]

Product discontinuation Model E3X-SD Series
Model E3X-SD21/51  Vinyl-insulated round cable 4 dia. cable / 3 conductors / Standard length: 2 m (Conductor cross section: 0.2 mm², Insulator diameter: 1.1 mm) DIN track mounting
Model E3X-SD7/9  DIN track mounting

Recommendable replacement Model E3X-ZV Series

Model E3X-ZV11/41

Model E3X-ZV6/8



[Characteristics]

Item		Product discontinuation Model E3X-SD Series	Recommendable replacement Model E3X-ZV Series
Light source (wavelength)		Red, 4-element LED (625 nm)	
Power supply voltage		12 to 24VDC $\pm 10\%$, ripple (p-p) 10% max.	
Power consumption	Normal mode	At Power Supply Voltage of 24 VDC 960 mW max./40 mA max. At Power Supply Voltage of 12 VDC 960 mW max./80 mA max.	Normal mode: 720 mW max. (Power supply voltage 24 V: Current consumption 30 mA max. / Power supply voltage 12 V: Current consumption 60 mA max.)
	Eco function	None	Eco function ON: 530 mW max. (Power supply voltage 24 V: Current consumption 22 mA max. / Power supply voltage 12 V: Current consumption 44 mA max.)
Control output		Open-collector output (NPN or PNP) Load power supply: 26.4 V max., Load current: 50 mA max. (Residual voltage: 1.5 V max.) Light-ON/Dark-ON mode selector.	Load power supply voltage: 26.4 VDC, open collector output type (NPN or PNP output differs depending on the type.) Load current: 100 mA max. (Residual voltage: Load current less than 10 mA: 1 V max., load current 10 to 100 mA: 2 V max.) OFF current: 0.1 mA max.
Protection circuits	Power supply reverse polarity protection	Provided	
	Output short-circuit protection	Provided	
	Output reverse polarity protection	Provided	
Response time	Super-high-speed mode	None	Operate or reset: 50 μ s
	High-speed mode	None	Operate or reset: 250 μ s
	Standard mode	Operate or reset: 200 μ s	Operate or reset: 1ms
	High-resolution mode	None	Operate or reset: 16ms
Sensitivity setting		Automatic teaching or manual method	
Functions	Active Threshold Control (ATC)	None	Yes
	Dynamic power control (DPC)	None	Yes
	Timmer	None	Select from timer disabled, OFF-delay, ON- delay or one-shot timer: 1 to 9,999 ms
	Zero-reset	None	Negative values can be displayed. (Threshold value is shifted.)
	Resetting settings	None	Select from initial reset (factory defaults) or user reset (saved settings).
	Eco mode	None	Select from OFF (digital display lit) and Eco ON (digital display not lit).
	Power tuning	None	Select from ON or OFF.
Mutual interference prevention		Optically synchronized (Up to 5 units)	Emission cycle setting switching (up to 4 units)
Ambient illumination (Receiver side)	Incandescent lamp	10,000 lx max.	20,000 lx max.
	Sunlight	20,000 lx max.	30,000 lx max.
Ambient temperature range	Operating	1 to 3 Amplifiers: -25°C to 55°C 4 to 11 Amplifiers: -25°C to 50°C 12 to 16 Amplifiers: -25°C to 45°C	-25°C to 55°C
	Storage	-30°C to 70°C (with no icing or condensation)	
Weight (packed state)	Pre-wired model Connector model	Pre-wired model: Approx. 100 g, Model with connector: Approx. 55 g	Pre-wired model: Approx. 95 g, Model with connector: Approx. 45 g
Materials	Case	Polybutylene terephthalate (PBT)	Polycarbonate
	Cover	Polycarbonate	

[Operation ratings]

Product discontinuation Model E3X-SD Series	Sensing distance (Unit: mm)				
	Model	High-resolution mode	Standard mode	High-speed mode	Super-high-speed mode
	E32-T11R	-	560	-	-
	E32-CC200 2M	-	300	-	-
Recommendable replacement 2 Model E3X-ZV Series	Sensing distance (Unit: mm)				
	Model	Giga-power mode	Standard mode	High-speed mode	Super-high-speed mode
	E32-T11R	2000	1000	700	280
	E32-CC200 2M	1400	600	400	180

* For additional operating ratings comparison, please, check datasheets.

[Operation methods]

Product discontinuation Model E3X-SD Series	Digital incident light level display or digital threshold value display (red) Display of contents of functions during operation Teaching status indication (orange) Digital threshold value adjustment (UP/DOWN) Operation Selector Use to switch between Light-ON and Dark-ON  Operation Indicator (Orange) Light-ON and Dark-ON Indicator Teaching Button The sensitivity and threshold value can be set automatically. Lock Lever
Recommendable replacement Model E3X-ZV Series	[Output Indicator: Orange] Turns ON when the output is ON. Threshold Level (Green) Incident Light Level (Red) [Smart Tuning Indicator: Green] Lit up after normal completion of Smart Tuning. Put out when the detection function is changed or a tuning error occurs.  Digital display part [+ / - Button] Used to tune the threshold. [Tuning button] Executes Smart Tuning. [MODE Button] Use to switch between Detection Mode and Setting Mode.

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.