


Discontinuation Notice of Fiber Sensors E3X-NAG series

Product Discontinuation Fiber Amplifier Unit

 E3X-NAG11 2M
E3X-NAG11 5M
E3X-NAG41 2M
E3X-NAG6
E3X-NAG8



Recommended Replacement Color Fiber Amplifier Unit

E3NX-CA11 2M
E3NX-CA11 2M
E3NX-CA41 2M
E3NX-CA6
E3NX-CA8

[Final order entry date]

December in 2024

[Date of The Last Shipping]

March in 2025

[Caution on recommended replacement]

Because it changes from volume adjustment to auto tuning, so please change it to the work standard.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
E3NX-CA11 2M	*	*	*	*	*	*	--
E3NX-CA41 2M	*	*	*	*	*	*	--
E3NX-CA6	*	*	*	*	*	*	--
E3NX-CA8	*	*	*	*	*	*	--

** : Compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

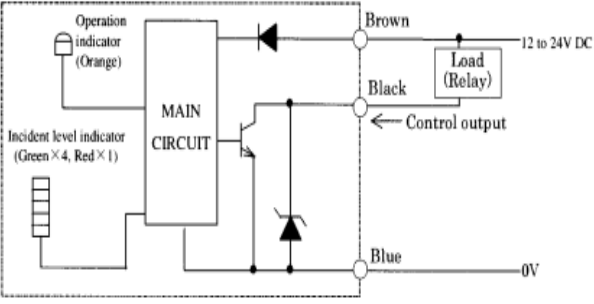
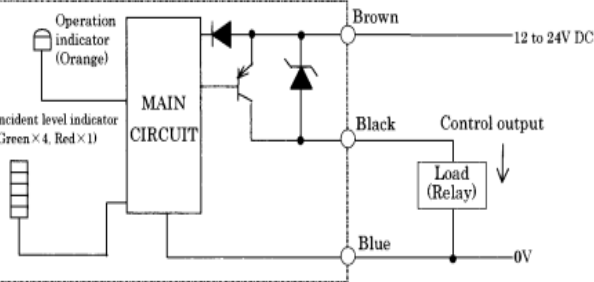
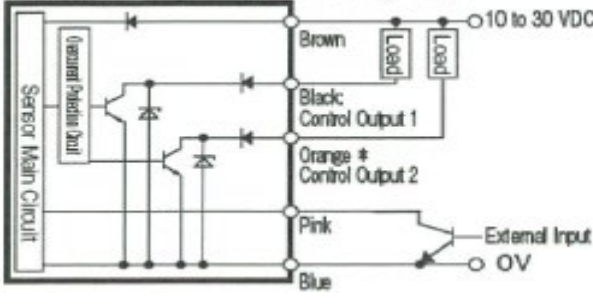
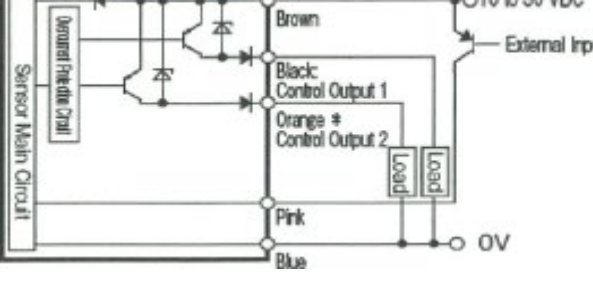
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
E3X-NAG11 2M	E3NX-CA11 2M
E3X-NAG11 5M	
E3X-NAG41 2M	E3NX-CA41 2M
E3X-NAG6	E3NX-CA6
E3X-NAG8	E3NX-CA8

[Body color]

Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
<p>Case: black</p>  <p>Cover: black</p>	<p>Case: black</p>  <p>Cover: black</p>

[Wire connection]

Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
<p>E3X-NAG11, E3X-NAG6: NPN type</p>  <p>E3X-NAG41, E3X-NAG8: PNP type</p> 	<p>E3NX-CA11, E3NX-CA6: NPN type</p>  <p>E3NX-CA41, E3NX-CA8: PNP type</p> 

[Characteristics]

Item	Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
Connecting method	E3X-NAG11, E3X-NAG41: Pre-wired	E3NX-CA11, E3NX-CA41: Pre-wired
	E3X-NAG6, E3X-NAG8: Connector type	E3NX-CA6, E3NX-CA8: Wire-saving Connector
Supply voltage	12 to 24 VDC \pm 10%, including 10% ripple (p-p)	10 to 30 VDC, including 10% ripple (p-p)
Light source (emission wavelength)	Green LED (520nm)	White LED (420 to 700 nm)
Power consumption	Below 840 mW (consumption current below 35 mA)	At Power Supply Voltage of 24 VDC Normal mode: 960 mW max. (Current consumption: 40 mA max.) Eco function ON: 720 mW max. (Current consumption: 30 mA max.) Eco function LO: 800 mW max. (Current consumption: 33 mA max.)
Protection circuit	Power supply reverse polarity protection, Load short-circuit protection	Power supply reverse polarity protection, output short-circuit protection, and output reverse polarity protection
Response time	Operate or reset: 200 μ s For occasions where 8 or more units are connected to a mobile phone, 350 μ s	Super-high-speed mode(SHS): Operate or reset: 50 μ s (only in Contrast Mode) High-speed mode (HS): Operate or reset: 250 μ s Standard mode (Std): Operate or reset: 1 ms Giga mode (GIGA): Operate or reset: 16 ms
Indications	Operation indicator lamp (Orange), input light quantity indicator lamp (green 4, red 1)	7-segment displays (Sub digital display: green, Main digital display: white) Display direction: Switchable between normal and reversed. OUT indicator (orange), NO/NC indicator (orange), Smart Tuning indicator (blue), and OUT selection indicator (orange, only on models with 2 outputs)
Ambient temperature range	Operating: Groups of 1 to 3 Amplifiers: – 25°C ~ + 55 °C Groups of 4 to 11 Amplifiers: : – 25 °C ~ + 50 °C Groups of 12 to 16 Amplifiers: – 25°C ~ + 45 °C Storage: –40°C to 70°C (with no icing or condensation)	Operating: Groups of 1 or 2 Amplifier Units: –25 to 55°C, Groups of 3 to 10 Amplifier Units: –25 to 50°C, Groups of 11 to 16 Amplifier Units: –25 to 45°C, Groups of 17 to 30 Amplifier Units: –25 to 40°C Storage: –30 to 70°C (with no icing or condensation)
Ambient humidity range	Operating and Storage: 35% to 85% (with no condensation)	Operating and storage: 35% to 85% (with no condensation) within the surrounding air temperature range shown above
Ambient illumination (Receiver side)	Incandescent lamp: 10,000 lx, Sunlight: 20,000 lx max.	Incandescent lamp: 20,000 lx max., Sunlight: 30,000 lx max.
Insulation resistance	20 M Ω min. at 500 VDC	20 M Ω min. (at 500 VDC)

Item	Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
Dielectric strength	1,000 VAC, 50/60 Hz for 1 min	1,000 VAC, 50/60 Hz, 1 minute
Vibration	10 to 55 Hz with a 1.5 mm double amplitude for 2 hours each in X, Y, and Z directions	10 to 55 Hz with a 1.5mm double amplitude for 2 hours each in X, Y and Z directions
Shock	Malfunction durability:500 m/s ² for 3 times each in X, Y, and Z directions.	500 m/s ² , for 3 times each in X, Y and Z directions

[Dimensions]

<p align="center">Product discontinuation E3X-NAG series</p>	<p align="center">Recommendable replacement E3NX-CA series</p>
<p>E3X-NAG11, E3X-NAG41:</p>	<p>E3NX-CA11, E3NX-CA41:</p>
<p>E3X-NAG6, E3X-NAG8:</p>	<p>E3NX-CA6, E3NX-CA8:</p>

[Mounting dimensions]

Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
DIN rail installation	DIN rail installation (no change)

[Operation methods]

Product discontinuation E3X-NAG series	Recommendable replacement E3NX-CA series
<p>Volume adjustment</p>	<p>Auto tuning</p>

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.