

E3X-DA11-N

Industrial automation components

Manufacturer	Omron
Catalog number	e3x-da11-n
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.06 kgs
Supply Voltage	12 to 24 V DC
Current Rating	40 mA
Rated Voltage	12 to 24 V DC
Ambient Temperature	-25 to +55 °C
Power Consumption	960 mW
Eco Mode Power Consumption	720 mW
Monitor Output	1 to 5 V DC
Reverse Polarity Protection	Yes
Output Short-Circuit Protection	Yes
Monitor Output Load	10 kΩ

Description

The Omron E3X-DA11-N is a digital fiber amplifier designed for high-performance sensing applications. Operating within a supply voltage range of 12 to 24 V DC, it offers a current rating of 40 mA and a rated voltage of 12 to 24 V DC. The amplifier features a compact design with dimensions of 72.6 mm in width, 10.3 mm in depth, and 35.6 mm in height, making it suitable for installations with limited space. It operates effectively in ambient temperatures ranging from -25°C to +55°C, ensuring reliable performance in various industrial environments. The device consumes a maximum of 960 mW of power, with a current consumption of 40 mA at a supply voltage of 24 V. This efficiency is achieved through features like an eco-mode that reduces power consumption by up to 70% when the digital display is turned off. The E3X-DA11-N is equipped with a digital display that can be turned off or dimmed during operation, further conserving energy. Additionally, it offers a monitor output of 1 to 5 V DC with a minimum load of 10 kΩ, providing flexibility in system integration. The amplifier is designed with protective circuits, including reverse polarity protection and output short-circuit protection, enhancing its durability and reliability in demanding industrial settings.