

Schneider Series Service Manual

170NEF11021

1. Description

The Schneider Electric 170NEF11021 is part of the Modicon Momentum series designed for non-redundant Modbus Plus networking applications. With a compact size and versatile connectivity options, this unit supports efficient communication in industrial setups.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon Momentum
Part	Number 170NEF11021
UPC	785901308058
Application	Non-Redundant Modbus Plus Network
Approval	UL, CSA, CE
Communication	Medium Twisted Pair Cable
Transmission	Rate 1 Mbit/Sec
Operating	Voltage 24 VDC
Operating	Temperature -25°C to +60°C
Storage	Temperature -40°C to +85°C
Humidity	Range 5% to 95% (non-condensing)
Power	Consumption 2.4 W
Mounting	Type DIN Rail Mount
Input/Output	Channels 2 ports
Data	Rate 1 Mbit/s max

3. Product Information

The Schneider Electric 170NEF11021 is part of the Modicon Momentum series designed for non-redundant Modbus Plus networking applications. With a compact size and versatile connectivity options, this unit supports efficient communication in industrial setups.

Technical specifications for 170NEF11021

Manufacturer Schneider Electric

Product Line Modicon Momentum

Part Number 170NEF11021

UPC 785901308058

Application Non-Redundant Modbus Plus Network

Approval UL, CSA, CE

Communication Medium Twisted Pair Cable

Transmission Rate 1 Mbit/Sec

Operating Voltage 24 VDC

Operating Temperature -25°C to +60°C

Storage Temperature -40°C to +85°C

Humidity Range 5% to 95% (non-condensing)

Power Consumption 2.4 W

Mounting Type DIN Rail Mount

Input/Output Channels 2 ports

Data Rate 1 Mbit/s max

The model 170NEF11021 from Schneider Electric's Modicon Momentum series is engineered for integration within non-redundant Modbus Plus networks. This unit operates with a maximum transmission speed of 1 Mbit/sec, ensuring swift data communication. It requires an operating voltage of 24 VDC to function effectively.

Thermal resilience is key with this unit, as it is built to operate in temperatures from -25°C to +60°C, while storage capabilities extend from -40°C to +85°C. The humidity tolerance ranges from 5% to 95% without condensation, allowing for reliable performance in diverse environments.

With a modest power consumption of 2.4 W, its design includes two ports for input/output functionalities, contributing to flexible communication setups. Mounted conveniently on a DIN rail, the device has compact dimensions of 90 mm in width, 160 mm in height, and 60 mm in depth, weighing approximately 0.6 kg. Compliance with UL, CSA, and CE standards ensures that the 170NEF11021 adheres to necessary operational safety and reliability requirements, making it a robust choice for various industrial applications.