

Schneider Series Service Manual

172PNN21022C

1. Description

The 172PNN21022C model from Schneider Electric is a communication adaptor designed for the Modicon Momentum series. This component operates under a supply voltage of 5 V DC, ensuring effective communication over the Modbus protocol.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon Momentum
Part	Number 172PNN21022C
Product	Adaptor
Communication	Type Modbus
Rated	Supply Voltage 5 V
Voltage	Type DC
Supply	Via I/O Base
Clock	Drift Plus/Minus 13 s/day
Battery	Type Lithium
Battery	Size 2/3 AA
Electrical	Connection 1 Connector D-shell 9 pins
Material	Lexan
Local	Signalling LED
Current	Consumption 700 mA
Dielectric	Strength 500 V DC

3. Product Information

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Technical specifications for 172PNN21022C

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The Schneider Electric 172PNN21022C is a specialized adaptor that integrates with the Modicon Momentum series. Configured for communication via the Modbus protocol, it operates efficiently at a rated supply voltage of 5 V DC. This compact adaptor utilizes an I/O base to receive its power. Operating with a current draw of 700 mA, it ensures reliability in demanding data transfer applications.

This model features a clock drift of plus/minus 13 seconds per day, providing sufficient accuracy for various time-dependent functions. Internally powered by a lithium battery, the unit utilizes a 2/3 AA battery size to ensure longevity and efficiency. Connections are made through a D-shell connector with 9 pins, enhancing the simplicity of integration into existing systems.

The body of the adaptor is constructed from Lexan, a robust material that offers protection and durability. Local status indication is available via an integrated LED, allowing users to monitor operational status easily. Measuring 1 inch in height, 5.6 inches in width, and 2.3 inches in depth, it is lightweight at 85.05 grams, making it suitable for various installations without adding undue bulk. The device also includes a dielectric strength of 500 V DC, affirming its reliability in electrical safety and performance.