

Schneider Series Service Manual

170PNT71000C

1. Description

"The 170PNT71000C from Schneider Electric functions as a communication adapter within the Modicon Momentum series. It leverages Modbus protocol for data transmission and supports a data rate of 1 Mbit/s, making it suitable for efficient communication in various industrial applications.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170PNT71000C
Communication	Protocol Modbus
Data	Rate 1 Mbit/s
Topology	Daisy-Chain
Port	Type SUB-D
Number	of Pins 9
Devices	Per Segment up to 31
Cable	Length 5 km
Maximum	Ambient Temperature 40 degrees Celsius
Minimum	Ambient Temperature 0 degrees Celsius
Maximum	Operating Humidity 80% (non-condensing)
Maximum	Storage Humidity 80% (non-condensing)
Maximum	Operating Altitude 1000m above sea level

3. Product Information

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Technical specifications for 170PNT71000C

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Product Type Communication Adapter

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Maximum Operating Humidity 80% (non-condensing)

Maximum Storage Humidity 80% (non-condensing)

Maximum Operating Altitude 1000m above sea level

The Schneider Electric 170PNT71000C is a communication adapter tailored for the Modicon Momentum series. With a reliable Modbus communication protocol at a data rate of 1 Mbit/s, this adapter is engineered for robust performance in various industrial settings. It is built to facilitate a daisy-chain connection, allowing effective distribution of data signals among multiple devices.

The port configuration utilizes a SUB-D interface with 9 pins, enabling seamless connectivity. In a single daisy-chain segment, this adapter can support connections to as many as 31 devices, offering flexibility in system design. The cable length can extend up to 5 kilometers, providing significant range for setups typically found in expansive facilities.

This device is designed to function effectively in an ambient temperature range between 0 and 40 degrees Celsius. It is suitable for environments where humidity does not exceed 80% (non-condensing) during both operation and storage. Additionally, the 170PNT71000C can operate at altitudes up to 1000 meters above sea level, ensuring reliability in a variety of locations."