

Schneider Series Service Manual

170PNT16020C

1. Description

The 170PNT16020C model from Schneider Electric's Modicon Momentum series is a communication adapter primarily designed for Modbus protocol use. It supports a data rate of 1 Mbit/s and allows interconnection through multidrop, daisy-chain, or tap topologies, accommodating up to 31 devices per segment.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170PNT16020C
Communication	Protocol Modbus
Data	Rate 1 Mbit/s
Topology	Multidrop, daisy-chain or tap
Connector	Type SUB-D9
Number	of Pins 9
Device	Limits Up to 31 devices per segment
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

The 170PNT16020C model from Schneider Electric's Modicon Momentum series is a communication adapter primarily designed for Modbus protocol use. It supports a data rate of 1 Mbit/s and allows interconnection through multidrop, daisy-chain, or tap topologies, accommodating up to 31 devices per segment.

Technical specifications for 170PNT16020C

Manufacturer Schneider Electric

Product Type Communication Adapter

Product Line Modicon Momentum

Part Number 170PNT16020C

Communication Protocol Modbus

Data Rate 1 Mbit/s

Topology Multidrop, daisy-chain or tap

Connector Type SUB-D9

Number of Pins 9

Device Limits Up to 31 devices per segment

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

Description

The Schneider Electric 170PNT16020C is a communication adapter that integrates seamlessly with Modicon Momentum systems. This unit is built to operate with the Modbus communication protocol, offering a high data transfer rate of 1 Mbit/s. Users can utilize various network topologies, including multidrop, daisy-chain, or tap, allowing for flexible installation configurations.

This adapter supports connection to a maximum of 31 devices per segment, facilitating extensive network setups without complexity. It utilizes a SUB-D9 connector comprised of 9 pins, promoting straightforward integration with compatible devices. Designed to operate within a temperature range from 0 to 40 degrees Celsius, the 170PNT16020C adheres to humidity specifications, withstanding up to 80% relative humidity in both operational and storage conditions without condensation.

Additionally, it is suitable for use at elevations reaching 1000 meters above sea level, making it a dependable option for various installation environments. The combination of these characteristics makes the 170PNT16020C an effective communication solution for business automation needs