

Schneider Series Service Manual

170PNT11020C

1. Description

The 170PNT11020C is a communication adapter from Schneider Electric's Modicon Momentum series. It is engineered for seamless integration using the Modbus Plus protocol, facilitating data transfer at a speed of 1 Mbit/s. This adapter is capable of accommodating a multidrop topology, supporting up to 31 devices per segment.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170PNT11020C
EAN	3595863798586
Communication	Protocol Modbus Plus
Transmission	Rate 1 Mbit/S
Topology	Multidrop
Number	of Devices Per Segment 0 to 31 per segment
Cable	Length 5000 m
Local	Signalling LED
Electrical	Connection SUB-D9
Protection	Class IP20
Resistance	to Electromagnetic Fields 8 kV
Maximum	Operating Humidity 80% (non-condensing)
Maximum	Storage Humidity 80% (non-condensing)
Maximum	Operating Altitude 1000 m above sea level

3. Product Information

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Technical specifications for 170PNT11020C

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Maximum Operating Altitude 1000 m above sea level

The Modicon Momentum series boasts the 170PNT11020C, a specialized communication adapter designed for robust connectivity. Utilizing the Modbus Plus protocol, it maintains a transmission rate of 1 Mbit/s, ensuring efficient data exchange. The setup can host a multidrop topology, allowing for a maximum of 31 devices per segment, which is ideal for complex network arrangements.

The adapter supports a cable length of up to 5000 meters, enabling versatile installation options across substantial distances. Local signalling is accomplished with LED indicators, allowing quick status monitoring. The device connects via a SUB-D9 electrical interface.

In terms of protection, the 170PNT11020C adheres to an IP20 rating, indicating suitability for indoor use while offering a resistance to electromagnetic interference rated at 8 kV. It operates efficiently in environments with relative humidity up to 80%, avoiding condensation-related issues. For altitude considerations, the device is rated for maximum operation at 1000 meters above sea level, making it adaptable to various installation sites.