

Schneider Series Service Manual

170INT11003C

1. Description

The 170INT11003C from Schneider Electric is a communication adapter designed for the Modicon Momentum series. It supports a transmission rate of 500 kbit/s within a ring topology, accommodating up to 254 devices in each segment and covering a maximum cable distance of 12,800 meters.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170INT11003C
EAN	3595863798821
Transmission	Rate 500 kbit/s
Topology	Ring
Number	of Devices Per Segment 0 to 254
Max	Cable Distance between Devices 12800 m
Fail	State Fail Safe
Local	Signaling LED
Electrical	Connection 2 Connectors SUB-D 9
Protection	Class IP20
Resistance	to Electromagnetic Fields 10 V/m
Resistance	to Electrostatic Discharge 4 kV/8 kV

3. Product Information

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Technical specifications for 170INT11003C

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Resistance to Electrostatic Discharge 4 kV/8 kV

Operating as a communication adapter, the Schneider Electric 170INT11003C plays a vital role in facilitating communication within Modicon Momentum series systems. It achieves a substantial transmission rate of 500 kbit/s and adheres to a ring topology, enabling connection for a wide array of devices—up to 254—per segment. This capability allows for extensive network configurations while maintaining effective communication. The device can connect over a maximum cable length of 12,800 meters, providing flexibility in installation and layout.

The 170INT11003C includes fail-safe features that ensure continued operation even in adverse conditions. Local signaling is managed via an LED indicator, allowing for quick status checks during operation. For connectivity, the adapter is equipped with two SUB-D 9 connectors, delivering straightforward integration into existing setups.

Weighing just 0.07 kg, this communication adapter is lightweight while still being robust enough to handle industrial demands. It carries an IP20 protection class rating, indicating suitability for internal installations. Furthermore, it offers resistance to electromagnetic fields up to 10 V/m and withstands electrostatic discharges of 4 kV and 8 kV, ensuring reliability in environments prone to electrical interference.