

Schneider Series Service Manual

170FNT11000

1. Description

The Schneider Electric 170FNT11000 is a Fipio communication adapter for the Modicon Momentum series. It operates on Fipio protocol with a data transmission speed of 1 Mbps, facilitating connectivity in open industrial environments.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Fipio communication adapter
Product	Line Modicon Momentum
Part	Number 170FNT11000
EAN	3595861147447
Weight	0.19 lbs (0.09 kg)
Communication	Protocol Fipio
Data	Transmission Rate 1 Mbps
Structure	Open industrial
Optical	Fiber 62.5/125, 50/125
Devices	per Segment without Repeater Max 31 per segment
Devices	with Repeater Max 61
Max	Inter-Device Cable Length 5 km
Supply	From I/O base
Electrical	Connection Male Sub-D 9
Approvals	UL, CE, CSA
Ambient	Temperature 0 to 60 °C

3. Product Information

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Technical specifications for 170FNT11000

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Approvals UL, CE, CSA

Ambient Temperature 0 to 60 °C

The 170FNT11000 model from Schneider Electric's Modicon Momentum series serves as a Fipio communication adapter, enhancing industrial networking capabilities. This adapter utilizes the Fipio protocol and boasts a data transmission rate of 1 Mbps, ensuring efficient data flow within industrial systems. Constructed for an open industrial structure, it provides reliable performance even in demanding environments.

Designed to facilitate extensive connectivity, this communication adapter can support a maximum of 31 devices per segment without requiring a repeater, or up to 61 devices with a repeater. It accommodates optical fibers of two types: 62.5/125 and 50/125. The maximum inter-device cable length can stretch to 5 kilometers, which allows for considerable flexibility in installation layouts.

Power for the adapter is supplied from the I/O base, and the electrical connection is achieved via a Male Sub-D 9 connector. Weighing in at 0.24 kg, it is designed for easy handling. Furthermore, the 170FNT11000 has received approvals from UL, CE, and CSA, ensuring it meets established safety and performance standards. It is engineered to operate smoothly within an ambient temperature range of 0 to 60 °C, making it suitable for various industrial applications.