

Schneider Series Service Manual

170ENT11001

1. Description

The 170ENT11001 is a communication adapter from Schneider Electric’s Modicon Momentum series. It facilitates high-speed data transmission with baud rates of either 10 or 100 megabits per second and supports Ethernet protocols for robust networking.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170ENT11001
EAN	3595862034302
Weight	1.00 lbs (0.45 kg)
Baud	Rate 10 or 100 megabits per second
Communication	Protocol Ethernet Transmission Control Protocol/Internet Protocol
Ambient	Operating Temperature 0 to 60°C (in a non-condensing environment)
Protection	Class IP20
Access	Method Master/Slave and peer-to-peer (P2P)
Transmission	Cable Type Shielded twisted pairs cable
Ethernet	Port Type 100BASE-TX
Electrical	Connection Type RJ45 connector for 100BASE-TX
Number	of Devices Per Segment 0 to 32 per segment
Network	Topology Star network and multi-drop
Status	Indicators 4 LED indicators (3 green and 1 yellow LEDs)
Storage	Temperature -40 to 85°C (in a non-condensing environment)
Type	of Control Parameter CRC-32
Maximum	Cable Distance Between Devices 3,280 feet (1,000 meters)
Request	a Repair

3. Product Information

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Technical specifications for 170ENT11001

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Product Line Modicon Momentum

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Number of Devices Per Segment 0 to 32 per segment

Network Topology Star network and multi-drop

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Type of Control Parameter CRC-32

Maximum Cable Distance Between Devices 3,280 feet (1,000 meters)

Request a Repair

Description

The Modicon Momentum 170ENT11001 by Schneider Electric serves as an efficient communication adapter designed for various networking needs. This device operates using Ethernet Transmission Control Protocol/Internet Protocol and supports dual baud rates of 10 and 100 megabits per second, ensuring flexible speed options for data communication. The recommended transmission medium involves shielded twisted pair cables, allowing reliable connections. Housed with an RJ45 connector, it is compatible with the 100BASE-TX Ethernet port type for seamless integration. The operational range for this adapter spans from 0 to 60°C, ideal for regular industrial conditions, while the storage temperature extends from -40 to 85°C, ensuring durability in extreme environments. This adapter adopts a master/slave and peer-to-peer (P2P) access method, facilitating efficient communication protocols across devices. The device supports a maximum cable length of 3,280 feet (1,000 meters) between networked devices, allowing significant flexibility in placement. Configuration can accommodate up to 32 devices per segment. Additionally, it is equipped with status indicators featuring 3 green and 1 yellow LED lights to denote operational status clearly. Its IP20 class of protection ensures it meets basic standard requirements, and it employs CRC-32 as the control parameter for ensuring data integrity.

Range of Product

Modicon Momentum automation platform

Product or Component Type

Ethernet TCP/IP communication adaptor

Method of access

Peer to peer

Master/slave

Complementary

Communication Port Protocol

Ethernet TCP/IP

Module configuration

BOOTP server to assign IP parameters

Port Ethernet

100BASE-TX

Addressing

Unique IEEE global address

IP address user assigned

Fail state

Fail safe

Transmission support medium

Shielded twisted pairs cable

Transmission Rate

10/100 Mbit/s

Topology

Multidrop, star network

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Control parameter
CRC-32
Net Weight
0.15 lb(US) (0.07 kg)
Environment
IP Degree of Protection
IP20
Protective treatment
TC
Marking
CE
Ordering and shipping details
Category
US1PC3118206
Discount Schedule
PC31
GTIN
3595862034302
Returnability
Yes
Country of origin
FR
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
2.362 in (6.000 cm)
Package 1 Width
7.205 in (18.300 cm)
Package 1 Length
10.276 in (26.100 cm)
Package weight(Lbs)
8.219 oz (233.000 g)

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