

Schneider Series Service Manual

170INT11000

1. Description

The 170INT11000 is a communication adapter in the Modicon Momentum series from Schneider Electric, designed for effective data transmission. It utilizes the Interbus Generation SUPI II communication protocol with a transmission capacity of 500 kilobits per second, making it suitable for fast networking solutions. The device can operate over twisted pairs cable and is structured in a ring network topology.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Communication Adapter
Product	Line Modicon Momentum
Part	Number 170INT11000
EAN	3595861000360
Weight	1.00 lbs (0.45 kg)
Communication	Protocol Interbus Generation SUPI II
Transmission	Rate 500 kilobits per second
Transmission	Cable Type Twisted pairs cable
Network	Topology Ring network
Electrical	Connection Type Two 9-pin D-Sub Interbus connectors
Access	Method Master/Slave and continuous shift register
Number	of Devices Per Segment 0 to 254 per segment
Maximum	Cable Distance Between Devices More than 3,280 feet (1,000 meters) or 1,312.14 feet (400 meters) between two modules
Type	of Control Parameter CRC-16
Power	Dissipation 0.8 Watt (without fiber-optic adapter)
Power	Consumption Less than 200 to 400 milliamperes at 5 Volts DC
Protection	Class IP20
Ambient	Operating Temperature 0 to 60°C (in a non-condensing environment)
Storage	Temperature -40 to 85°C (in a non-condensing environment)
Description	
The	Schneider Electric 170INT11000 is a co

3. Product Information

The 170INT11000 is a communication adapter in the Modicon Momentum series from Schneider Electric, designed for effective data transmission. It utilizes the Interbus Generation SUP1 II communication protocol with a transmission capacity of 500 kilobits per second, making it suitable for fast networking solutions. The device can operate over twisted pairs cable and is structured in a ring network topology.

Technical specifications for 170INT11000

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Product Line Modicon Momentum

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EAN 3595861000360

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Protection Class IP20

Ambient Operating Temperature 0 to 60°C (in a non-condensing environment)

Storage Temperature -40 to 85°C (in a non-condensing environment)

Description

The Schneider Electric 170INT11000 is a communication adapter pertinent to the Modicon Momentum series. This module is engineered to facilitate communication through the Interbus Generation SUP1 II protocol, achieving a notable transmission rate of 500 kilobits per second. It predominantly uses twisted pairs cabling and is arranged in a ring network configuration, ensuring efficient and reliable data transfer within an industrial environment.

For connectivity, the device is equipped with two 9-pin D-Sub Interbus connectors, enabling straightforward integration into existing systems. With an access method that combines Master/Slave arrangements and continuous shift register options, it provides enhanced flexibility in network design. The module can accommodate 0 to 254 devices per segment, making it versatile for various applications.

Notably, the network configuration allows substantial cable runs, accommodating distances greater than 3,280 feet (1,000 meters) between devices and up to 1,312.14 feet (400 meters) between modules, lending it to expansive installation requirements. To maintain data integrity, it employs a CRC-16 control parameter for error checking.

The power consumption of the 170INT11000 is minimal, drawing less than 200 to 400 milliamperes at a supply voltage of 5 V DC, while power dissipation remains low at 0.8 watts when used without a fiber-optic adapter. It meets IP20 protection class standards, indicating its robustness against solid foreign objects, although not rated for water exposure.

This module operates efficiently in environments ranging from 0 to 60°C, ensuring reliable performance in standard working conditions. For storage, it can endure temperatures as low as -40°C to as high as 85°C, maintaining functionality across a wide temperature range in non-condensing settings.

Range of Product

Modicon Momentum automation platform

Product or Component Type

Interbus communication adaptor

Method of access

Continuous shift register

Master/slave

Complementary

Communication Port Protocol

Interbus generation SUP1 2

Fail state

Fail safe

Transmission support medium

Twisted pair

Transmission Rate

500 kbit/s

Topology

Ring

Control parameter

CRC-16

Net Weight

0.15 lb(US) (0.07 kg)

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Environment
IP Degree of Protection
IP20
Protective treatment
TC
Marking
CE
Ordering and shipping details
Category
US1PC3118206
Discount Schedule
PC31
GTIN
3595861000360
Returnability
Yes
Country of origin
FR
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
2.205 in (5.600 cm)
Package 1 Width
7.008 in (17.800 cm)
Package 1 Length
10.236 in (26.000 cm)
Package weight(Lbs)
6.631 oz (188.000 g)

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