

Schneider 170INT11000 Manual

Brand	Schneider
Product Series	Schneider
Product Type	Communication Adapter

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 SUP-I 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

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 SUP-I 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 communication adapter pertinent to the Modicon Momentum series. This module is engineered to facilitate communication through the Interbus Generation SUP-I 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)

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

www.AutoDCSTech.com

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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