

Schneider Series Service Manual

170INT11000C

1. Description

The 170INT11000C is an Interbus communication adaptor developed by Schneider Electric, part of the Modicon Momentum series. It enables connection with a high transmission rate of 500 kbit/s, supporting various devices in industrial systems.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Interbus Communication Adaptor
Product	Line Modicon Momentum
Part	Number 170INT11000C
EAN	3595863798814
Transmission	Rate 500 kbit/s
Transmission	Support Medium Twisted Pair
Topology	Ring
Number	of Devices Per Segment 0 to 254
Max	Cable Distance Between Modules 12800 m
Fail	State Fail Safe
Protection	Class IP20
Resistance	to Electrostatic Discharge 8 kV
Resistance	to Electromagnetic Fields 10 V/m
Operating	Altitude 5000 m

3. Product Information

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Technical specifications for 170INT11000C

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Description

The Schneider Electric 170INT11000C serves as an Interbus communication adaptor within the Modicon Momentum range. This unit stands out with a notable transmission capability of 500 kbit/s over twisted pair cables. Connecting devices through a ring topology allows for a flexible network structure. A maximum of 254 devices can be connected per segment, making it suitable for extensive system architectures.

In the context of installation, the maximum cable distance between modules reaches an impressive 12,800 meters. This feature provides significant coverage for large-scale applications. The device operates in a fail-safe mode, increasing robustness by ensuring stable performance under adverse conditions. Weighing just 0.07 kg, it is lightweight yet designed with a protection class of IP20 to guard against solid particle ingress.

Moreover, the 170INT11000C is resilient to environmental stresses, demonstrating resistance to electrostatic discharges up to 8 kV and electromagnetic fields of 10 V/m. This ensures reliable operation in challenging electrical environments. Additionally, the unit can function effectively at altitudes of up to 5000 meters. This combination of performance and resilience makes it a reliable component for complex industrial communication infrastructures.

Range of Product

Modicon Momentum automation platform

Product or Component Type

Interbus communication adaptor

Complementary

Communication Port Protocol

Interbus generation SUPI 2

Transmission support medium

Twisted pair

Transmission Rate

500 kbit/s

Topology

Ring

Net Weight

0.15 lb(US) (0.07 kg)

Environment

IP Degree of Protection

IP20

Protective treatment

Conformal coating Humiseal 1A33

TC

Marking

CE

Ordering and shipping details

Category

US1PC3118206

Discount Schedule

PC31

GTIN

3595863798814

Returnability

No

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.2 in (5.5 cm)

Package 1 Width

7.09 in (18.0 cm)

Package 1 Length

10.2 in (26.0 cm)

Package weight(Lbs)

6.8 oz (193.0 g)

Unit Type of Package 2

S02

Number of Units in Package 2

2

Package 2 Height

5.9 in (15.0 cm)

Package 2 Width

11.8 in (30.0 cm)

Package 2 Length

15.7 in (40.0 cm)

Package 2 Weight

13.6 oz (386.0 g)