

Schneider Series Service Manual

140NOC77100C

1. Description

The 140NOC77100C from Schneider Electric is a TCP/IP module designed for various applications, including machine control, material handling, packaging, and textile machinery. It operates effectively within a temperature range of 0 to 40 degrees Celsius under specified humidity conditions.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type TCP/IP Module
Product	Line Modicon Quantum
Part	Number 140NOC77100C
Machine	Control Applications Supported
Material	Handling Applications Supported
Packaging	Applications Supported
Textile	Machine Applications Supported
Operating	Temperature 0 to 40 degrees Celsius
Storage	Temperature 0 to 50 degrees Celsius
Maximum	Operating Humidity 80% RH, non-condensing
Maximum	Storage Humidity 80% RH, non-condensing
Maximum	Operating Altitude 1000m above sea level
Maximum	Storage Altitude 1000m above sea level
Operating	Environment Clean indoor environment (no corrosive chemicals)

3. Product Information

The 140NOC77100C from Schneider Electric is a TCP/IP module designed for various applications, including machine control, material handling, packaging, and textile machinery. It operates effectively within a temperature range of 0 to 40 degrees Celsius under specified humidity conditions.

Technical specifications for 140NOC77100C

Manufacturer Schneider Electric

Product Type TCP/IP Module

Product Line Modicon Quantum

Part Number 140NOC77100C

Machine Control Applications Supported

Material Handling Applications Supported

Packaging Applications Supported

Textile Machine Applications Supported

Operating Temperature 0 to 40 degrees Celsius

Storage Temperature 0 to 50 degrees Celsius

Maximum Operating Humidity 80% RH, non-condensing

Maximum Storage Humidity 80% RH, non-condensing

Maximum Operating Altitude 1000m above sea level

Maximum Storage Altitude 1000m above sea level

Operating Environment Clean indoor environment (no corrosive chemicals)

Description

The Schneider Electric Modicon Quantum 140NOC77100C is a TCP/IP module built to facilitate various applications within industrial environments. This module is particularly useful for machine control, material handling, packaging, and textile machinery. Operating temperatures for this unit range from 0 to 40 degrees Celsius, allowing it to function efficiently in standard conditions. It supports a maximum humidity of 80% RH, non-condensing, making it versatile for various indoor applications.

When it comes to storage, the 140NOC77100C can handle temperatures from 0 to 50 degrees Celsius. It also manages humidity levels up to 80% RH during storage. Both operating and storage conditions allow for altitudes of up to 1000 meters above sea level, thus accommodating installations in high-altitude areas. The module is designed with a requirement for a clean indoor environment, free of corrosive chemicals, ensuring its longevity and reliability over time.

Range of Product

Modicon Quantum automation platform

Product or Component Type

Ethernet/IP network module

Complementary

Product Compatibility

All Unity CPU

Communication Port Protocol

EtherNet/IP

Maximum number of connections

128

Transmission Rate

10/100 Mbit/s

Redundancy

No standalone

Communication Service

CIP Explicit messaging (client messaging)

SNMP agent

DHCP/BootP server

CIP implicit messaging (I/O communication)

Transmission support medium

Twisted pair

Port Ethernet

RJ45 10BASE-T/100BASE-TX

Marking

CE

Supply

Via the power supply of the rack

Local signalling

1 LED (green) for communication on the bus (Active)

1 LED (green) for configuration status (Ready)

1 LED (green) for connection speed (100MB)

1 LED (green) for Ethernet network status (link)

1 LED (green/red) for full duplex/collision detection (Fduplex/Col)

- 1 LED (green/red) for module status (Mod Status)
- 1 LED (green/red) for network communication status (Net Status)
- 1 LED (green) for reception activity (RxActive)
- 1 LED (green) for transmission activity (TxActive)

Current consumption

500 mA 5 V DC

Module format

Standard

Net Weight

0.761 lb(US) (0.345 kg)

Environment

Standards

UL 508

CSA C22.2 No 142

FM Class 1 Division 2

Product Certifications

C-tick

cUL

ODVA

Merchant Navy

IP Degree of Protection

IP20

Ambient Air Temperature for Operation

32...140 °F (0...60 °C)

Relative humidity

10...95 % 140 °F (60 °C) without condensation

Ordering and shipping details

Category

18150-QUANTUM CONTROLLERS,HSBY,COMM.

Discount Schedule

PC21

GTIN

3595863988703

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.0 in (5.0 cm)

Package 1 Width

6.7 in (17.0 cm)

Package 1 Length

12.6 in (32.0 cm)

Package weight(Lbs)

17.9 oz (507.0 g)